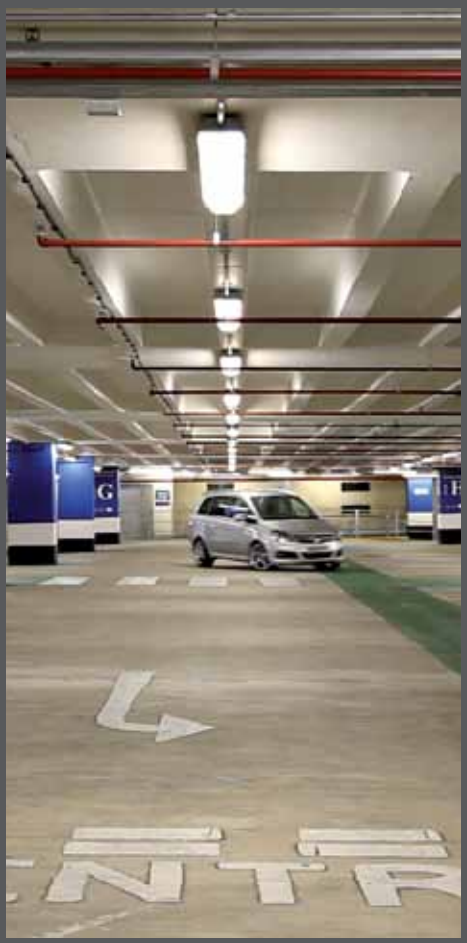
wirefield



Core Products

Intelligent Luminaires

LED Luminaires

Intelligent Solutions

Introduction

Wirefield is one of the UK's leading independent manufacturers of energy efficient industrial and commercial luminaires. We specialise in IP Rated luminaires intended for use in exposed and hostile environments, lighting controls and LED Technology.

The company focuses on offering exceptional value for money without sacrificing product life-time or performance. Premium quality branded components are used together with high volume robotic manufacturing and 100% testing.

We offer a free lighting design service and expert advice on use of our full product range. Our Intelligent Solutions Team innovates, designs and documents complete solutions for larger projects including the lighting controls, wiring systems and centralised testing.

Please note that the same product may appear in several places in this catalogue: Our GRP range for example is listed as a Core Product (P11), with 110V HF Ballasts for Temporary Site lighting (P21), as an Intelligent Luminaire with dimming and integral sensor (P145) and also as an LED product (P185).

Thank you for your interest in our products. I hope that this catalogue helps you to make the best choice.

1. Core Products

Designed and manufactured by Wirefield and held in stock either packed and ready to deliver or in components ready to assemble in a few hours.

Pages 8 to 129

2. Intelligent Luminaires

Wirefields EYE Sensors and dimming technologies have been combined in these products to provide ultra-low energy solutions.

Pages 130 to 173

3. LED Luminaires

LED technology is evolving fast. In some areas it is already the most cost efective solution and in others it offers particular advantages such as longer lamp life, aesthetic consistency and the ability to operate well at low temperatures.

Pages 174 to 205

4. Intelligent Solutions

We have a team of experts in some specific application areas such as multi-story car parks, distribution centres, shopping centres, medium scale offices and data centres. Here we give you a flavour of our solutions for large scale projects.

Pages 206 to 211

1. Core Products *Pages 8-129*

CORROSION RESISTANT LIGHTING *Pages 8-17*

GRP IP65

Pages 10-11

Zexen CR Zone 1 IP66

Pages 12-13

Zexen CR Zone 2 IP65

Pages 14-15

TEMPORARY SITE LIGHTING *Pages 18-27*

GRP 110 IP65

Pages 20-21

Chandler IP65

Pages 22-23

Chantask IP54

Pages 24-25

Solent LV IP65

Pages 26-27

POLYCARBONATE FLOODS *Pages 28-39*

Garda IP65

Pages 30-31

Hamble IP65

Pages 32-33

Roma IP65 & Roma ULL IP65

Pages 34-37

Vela IP65

Pages 38-39

ALUMINIUM FLOODS *Pages 40-51*

Solent IP65

Pages 40-41

Solent 1 IP65

Pages 42-43

Venus IP65

Pages 44-45

Virtus IP65

Pages 46-47

Vega IP65

Pages 48-49

Zexen FL Zone 2 IP66

Pages 50-51

ARCHITECTURAL FLOODS *Pages 52-59*

Mars IP65

Pages 52-53

Silver Solent IP66

Pages 54-55

Silver Spear 2000 IP66

Pages 56-57

Silver Lance 1000 IP66

Pages 58-59

ARCHITECTURAL FLOODS *Pages 60-69*

Silver Sabre 3 IP66

Pages 60-61

Silver Sabre 2 IP67

Pages 62-63

Silver Sabre 1 IP67

Pages 64-65

Vertsa®

Pages 66-67

INDUSTRIAL LIGHTING *Pages 70-93*

Echo IP20 & Echo ULL IP20

Pages 72-75

Romsey Reflector IP20

Pages 76-77

Romsey Refractor IP20

Pages 78-79

Lunar IP65

Pages 80-81

Lunis IP20

Pages 82-83

Silver Comfort IP66

Pages 84-85

Polar High Power IP20

Pages 86-87

Polar Professional IP20

Pages 88-89

Purlieus IP65

Pages 90-91

AMENITY LIGHTING *Pages 94-119*

Retondo IP20

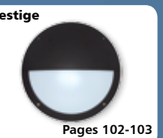
Pages 96-97

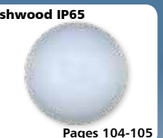
Win IP65

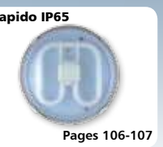
Pages 98-99

Portal IP65

Pages 100-101

Vestige

Pages 102-103

Ashwood IP65

Pages 104-105

Rapido IP65

Pages 106-107

Rama IP65

Pages 108-109

Spacer IP65

Pages 110-111

Zexen BH Zone 2 IP65

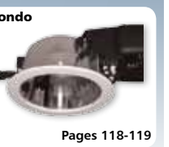
Pages 112-113

Bolard IP65

Pages 114-115

Spectrum

Pages 116-117

Rondo

Pages 118-119

STREET LIGHTING *Pages 120-129*

Astra 1,2, & 3 IP65 & Astra 3 ULL IP65

Pages 122-125

Aventus

Pages 126-127

Plaza® IP65

Pages 128-129

2. Intelligent Luminaires Pages 130-173

MODULAR

Pages 132-141

Eye Performer

Pages 134-135

Eye Eclipse

Pages 136-137

Eye Director

Pages 138-139

Eye Protex IP54

Pages 140-141

LINEAR

Pages 142-153

EyeP65GRP

Pages 144-145

Eye Pack

Pages 146-147

Eye Municipal

Pages 148-149

Eye Librarian

Pages 150-151

AMENITY

Pages 154-163

EyeD IP20

Pages 156-157

Eye Portal IP65

Pages 158-159

Eye Vestige IP65

Pages 160-161

Eye Circulux

Pages 162-163

HIGH LEVEL

Pages 164-173

Eye Solution

Pages 166-167

Eye Hi Sport

Pages 168-169

Eye Solution IP65

Pages 170-171

Eye Astra 1, 2 & 3 IP65

Pages 172-173

3. LED Luminaires Pages 174-205

INTERIOR

Pages 176-183

Acrux LED

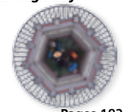
Pages 176-177

Sky-LED

Pages 178-179

Circu-LED

Pages 180-181

LED High Bay

Pages 182-183

EXTERIOR

Pages 184-191

GRP Pro-LED IP65

Pages 184-185

GRP Focus-LED IP65

Pages 186-187

GRP Tube-LED IP65

Pages 188-189

LED Floodlight

Pages 190-191

AMENITY

Pages 192-199

Stair-LED

Pages 192-193

Deco LED

Pages 194-195

Senti LED

Pages 196-197

Street LED

Pages 198-199

EMERGENCY

Pages 200-205

Spot-LED

Pages 200-201

Bulk LED

Pages 202-203

Ex LED

Pages 204-205

wirefield

Corrosion Resistant Lighting

GRP IP65

Pages 10-11

ZEXEN CR ZONE 1 IP65

Pages 12-13

ZEXEN CR ZONE 2 IP65

Pages 14-15

GRP ACCESSORIES

Pages 16-17

The most comprehensive range of general purpose water and dust resistant fluorescent luminaires available. Ideally suited to harsh environmental conditions that can be experienced in commercial, industrial and infrastructure environments.

wirefield

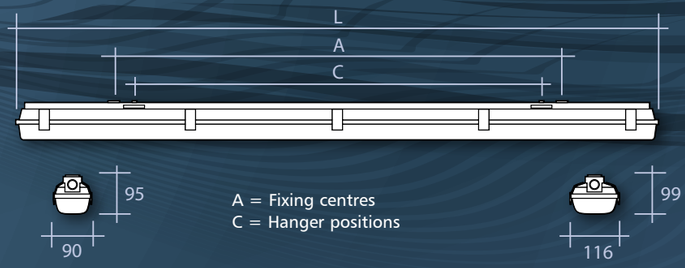
GRP IP65

CORROSION RESISTANT FLUORESCENT LUMINAIRES

For general, industrial and commercial application

GRP body for permanent and arduous industrial & commercial applications. Heavy duty, long service life luminaire for mounting directly onto walls and ceilings. Also available with fixing clips for quick ceiling - or trunking mounting.

Designed and manufactured to comply with EN 60598 and are CE certified.



A = Fixing centres
C = Hanger positions

Lamp Options

T8: 26mm Fluorescent Tubes
T5: 16mm Fluorescent Tubes

"Our fittings being GRP, are more suitable than any of our competitors for use outdoors, but no fitting of this type will give it's full service life if exposed directly to rain and/or direct sunlight"

Single

Twin

Applications:

- Warehousing
- Food preparation areas
- Manufacturing plants
- Cold stores
- Multi storey car parks
- Retail Superstores
- Under canopy lighting

Ambient temperature guidance

Switch start	0˚C - +30˚C
High frequency	-25˚C - +30˚C
Integral emergency	0˚C - +25˚C

Product Specification

- Certified ingress protection to IP65
- Luminaire housing made of corrosion, moisture and acid resisting glass fibre reinforced polyester. Light grey finish (RAL 7035). Flame resistant with continuous non-aging gasket
- Polycarbonate injection moulded diffusers
- One part plastic clips as standard or optional stainless steel clips
- Cable entries, with grommets at both ends, and further conduit entries on rear of the housing
- White powder coated metal geartray fixed to the body by flexible geartray suspension clips
- For photometry details refer to Page 214 graph ref PC001 and PC002

Designed for quick installation:

Hinged gear tray supports for ease of 'single person hands free' installation

Also available with Motion and Daylight sensors - see pages 144-145

Optional Features

(Add suffix to order code)

/CS-30: Suitable for use in environments down to -30 degrees centigrade

/FTB: Fused terminal block

/TW: Terminal blocks at both ends of the geartray

/AR: Aisle Reflector. Full parabolic mirror reflector increasing downward light by 50% for use in warehouse aisles

/840: Supplied with colour 840 lamps

/IP67: IP rated 67 - please check with the sales office for compatibility

Optional Accessories

GRP/HANGER: Stainless steel Chain-Hook and Spreedyclip (2 per 2ft/4ft/5ft & 3 per 6ft fittings)

GRP/CHAIN-HOOK: Individual Chain-Hook (2 per 2ft/4ft/5ft & 3 per 6ft fittings)

GRP/SPEEDY-CLIP: Individual Speedyclip (2 per 2ft/4ft/5ft & 3 per 6ft fittings)

GRP/BESA-KIT: BESA box mounting

GRP/WCRGTCLIP: Gear tray locking clips (Two per fitting)

GRP/SSCLIP: Stainless steel diffuser retention clips (6 clips per 2ft, 8 clips per 4ft, 10 clips per 5ft & 12 clips per 6ft fittings)

GRP/SSCLIP/VR: Vandal resistance stainless steel diffuser retention clips (6 clips per 2ft, 8 clips per 4ft, 10 clips per 5ft & 12 clips per 6ft fittings)

GRP/WG: Wire guard

For Accessories please see page 16-17

LED versions are available - see pages 184-189

Order Codes

Excluding Lamps

T8 Tube

Order Code	*Watt*	*L*	*A*	*C*	*Kg*
GRP118*	1 x 18	669	460	360	1.80
GRP136	1 x 36	1277	800	700	2.80
GRP158	1 x 58	1577	1100	1000	3.80
GRP170	1 x 70	1841	1164	1265	4.10
GRP218	2 x 18	669	460	360	2.40
GRP236	2 x 36	1277	800	700	4.20
GRP258	2 x 58	1577	1100	1000	5.80
GRP270	2 x 70	1841	1164	1264	6.40

T5 Tube - HF as standard

Order Code	*Watt*	*L*	*A*	*C*	*Kg*
GRP114 †	1 x 14	669	460	366	1.80
GRP128	1 x 28	1277	800	700	2.80
GRP135	1 x 35	1577	1100	1000	3.80
GRP149	1 x 49	1577	1100	1000	3.80
GRP180	1 x 80	1577	1100	1000	3.80
GRP214	2 x 14	669	460	360	2.40
GRP228	2 x 28	1277	800	700	4.20
GRP235	2 x 35	1577	1100	1000	5.80
GRP249	2 x 49	1577	1100	1000	5.80
GRP280Ø	2 x 80	1577	1100	1000	5.80

* only available with remote emergency option /E3
† available with integral emergency but only in twin body
Ø check operating temperature

Gear options

/HF: High Frequency
/S: Retractive Switch Dimming
/F: 10% Standby Dimming
/D: DSI Digital Dimming

/E3: 3hr Emergency
/E3T: Self Test Emergency

ZEXEN CR ZONE 1 IP66

ZONE 1 CORROSION RESISTANT FLUORESCENT LUMINAIRES

For hazardous area lighting

High efficiency Zone 1, Cat 2 highly durable and versatile fluorescent luminaires which offer resistance to impact and the adverse effects of moisture, dirt an dust.

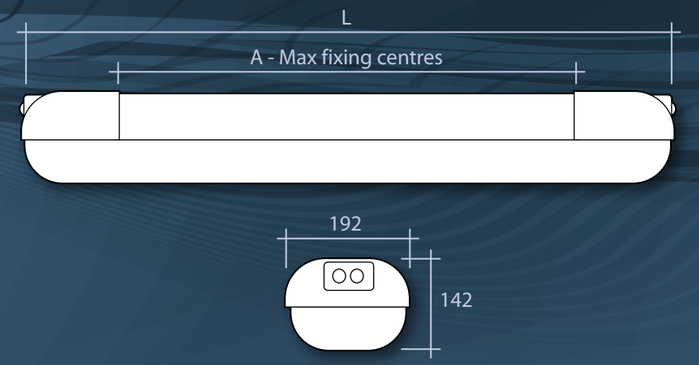
Certification code: EEx ed IIC 2G 3D

T4 (Tamb -20 to +55 degrees centigrade).

T5 (Tamb -20 to +25 degrees centigrade).

Certificate number: SIRA 00 ATEX 3071.

Designed and manufactured to comply with EN 50014, 50019, 50018 and are CE certified.



Lamp Options

T8: 26mm Fluorescent Tubes

Product Specification

- Certified ingress protection to IP66
- High efficiency class leading photometric performance
- High frequency control gear
- Rugged construction with flexible mounting centres
- Discreet locking arrangement for the diffuser guarantees a perfect seal and easy maintenance
- Fire retardant UV stabilised impact resistant polycarbonate body and diffuser
- Quality control gear and sub components for maximum service life
- Modern tooling ensures precision mouldings for a perfect construction every time
- For photometry details refer to Page 214 graph ref PC003

Optional Features

(Add suffix to order code)

/840: Supplied with colour 840 lamps

Order Codes

Excluding Lamps

T8 Tube

Order Code	*Watt*	*L*	*A*	*Kg*
ZON218-9/HF	2 x 18	765	450	5.7
ZON236-9/HF	2 x 36	1375	1060	9.2
ZON258-9/HF	2 x 58	1675	1260	10.5

Example order code:
ZON218-9/HF/E3 – A 2 x 18 watt T8 corrosion resistant IP66 ZONE 1 fluorescent luminaire with high frequency control gear, polycarbonate diffuser and integral emergency facility. Supplied without lamp.

Note this product is not always held in stock - please allow up to 5 weeks to guarantee delivery.

Applications:

- Flour mills
- Grain stores
- Dusty environments
- Chemical industry
- Petro-chemical industry
- Marine applications
- Zone 1, Cat 2 nominated hazardous areas

Ambient temperature guidance

High frequency T4	-20˚C to +55˚C
High frequency T5	-20˚C to +25˚C
Integral emergency	0˚C to +25˚C

Gear options

/LV: 110-130V (2 x 18 and 2 x 36 only)

/E3: 3hr Emergency
/E3T: Self Test Emergency

wirefield

ZEXEN CR ZONE 2 IP65

ZONE 2 CORROSION RESISTANT FLUORESCENT LUMINAIRES

For hazardous area lighting

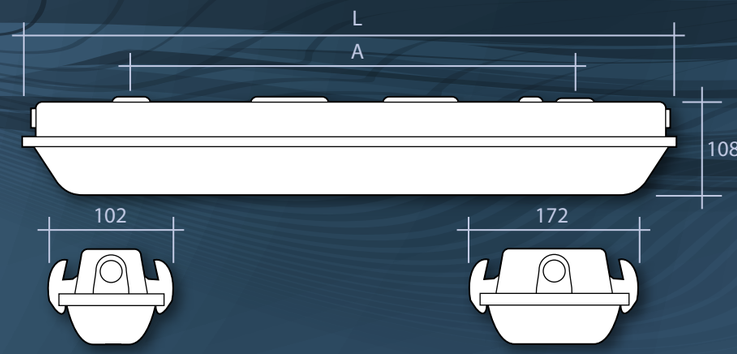
High efficiency Zone 2 and 22, Cat 3 highly durable and versatile luminaires which offer resistance to impact and the adverse effects of moisture, dirt and dust.

Certification code: EEx n c II 3 GD

T4 (Tamb -40 to +55 degrees centigrade).

Certificate number: Epsilon EX02ATEX1167.

Designed and manufactured to comply with EN 50021 and are CE certified.



Lamp Options

T8: 26mm Fluorescent Tubes

Applications:

- Flour Mills
- Grain Stores
- Dusty Environments
- Zone 2, Cat 3 nominated hazardous areas

Ambient temperature guidance

High frequency	-40˚C to +55˚C
Integral emergency	0˚C to +25˚C

Product Specification

- Certified ingress protection to IP65
- Suitable for gas and dust areas
- Unrestricted breathing enclosure, no need for annual gasket inspection or pressure testing
- Stainless steel diffuser retention clips
- Fire retardant UV stabilised impact resistant injection moulded polycarbonate diffuser
- Glass fibre re-enforced polyester body for maximum durability
- Diffuser retention clips can be locked for improved vandal resistance
- Quality high frequency control gear and sub components for maximum service life
- Modern tooling ensures precision mouldings for a perfect fit every time
- Poured neoprene closed cell anti-ageing gasket for a perfect seal
- For photometry details refer to Page 214 graph ref PC004

Optional Features

(Add suffix to order code)

/840: Supplied with colour 840 lamps

Optional Accessories

/WBCR-HANGERC1: Stainless steel mounting clips for single body

/WBCR-HANGERC2: Stainless steel mounting clips for twin body

Order Codes

Excluding Lamps

T8 Tube

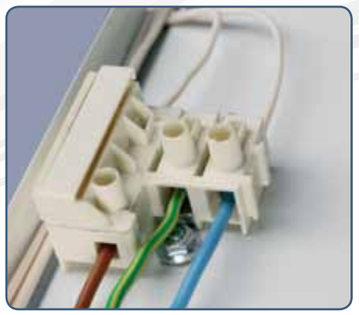
Order Code	*Watt*	*L*	*A*	*Clips*	*Kg*
ZEX136/HF	1 x 36	1312	800	8	3.0
ZEX158/HF	1 x 58	1612	1100	10	4.0
ZEX218/HF	2 x 18	702	500	4	4.5
ZEX236/HF	2 x 36	1312	800	8	4.5
ZEX258/HF	2 x 58	1612	1100	10	5.0

Example order code:
ZEX258/HF/E3 – A 2 x 58 watt T8 corrosion resistant IP65 ZONE 2 fluorescent luminaire with high frequency control gear, polycarbonate diffuser, integral emergency facility and stainless steel vandal resistant diffuser retention clips. Supplied without lamp.

Note this product is not always held in stock - please allow 7 - 14 days to guarantee delivery.

Gear options

/E3: 3hr Emergency
/E3T: Self Test Emergency

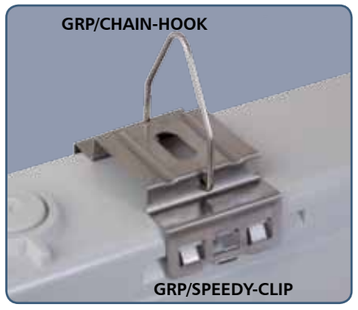


FUSED TERMINAL BLOCK
Part number: /FTB

Fused terminal block and a correctly rated fuse.

THROUGH WIRING
Part number: /TW

The body can be supplied with a terminal block at each end and through wired with a flying lead to the gear tray terminal block.



STAINLESS STEEL HANGER
Part number: GRP/HANGER

A GRP hanger is made up of a **GRP/SPEEDY-CLIP** and a **GRP/CHAIN-HOOK which can be ordered seperatly**. Hangers required for each fitting are 2 per 2ft/4ft/5ft and 3 per 6ft.

BESA BOX MOUNTING
Part number: /BESA-KIT

The kit consists of two galvanised BESA box dome tops, two 20mm ferrules and locking nuts together with two mounting hole plugs. There is provision within the back of the body for two 20mm holes to be drilled, the dome top is fixed to a BESA box and with the use of the ferrules and locking nuts the fitting is very securely attached.

STAINLESS STEEL
DIFFUSER RETENTION CLIPS
Part number: /SSCLIP

High purity stainless steel clips are available, they are also more resistant to chemical attack. Stainless steel diffuser retention clips required for each fitting are 6 clips per 2ft, 8 clips per 4ft, 10 clips per 5ft and 12 clips per 6ft.

STAINLESS STEEL VANDAL RESISTANT DIFFUSER RETENTION CLIPS
Part number: /SSCLIP/VR

High purity stainless steel vandal resistant clips are available, they are also more resistant to chemical attack. Stainless steel vandal resistant diffuser retention clips required for each fitting are 6 clips per 2ft, 8 clips per 4ft, 10 clips per 5ft and 12 clips per 6ft.

WIRE GUARDS FOR CORROSION RESISTANT LUMINAIRES

A range of galvanised protective wire guards are suitable for all types and sizes of Wirefield corrosion resistant and special application luminaires. These corrosion resistant guards give added protection from accidental damage or vandalism.

Order Code	*Watt*	*L*	*W*	*H*
WG118	1 x 18	735	150	125
WG136	1 x 36	1320	150	125
WG158	1 x 58	1600	150	125
WG170	1 x 70	1900	150	125
WG218	2 x 18	735	225	125
WG236	2 x 36	1320	225	125
WG258	2 x 58	1600	225	125
WG270	2 x 70	1900	225	125

GEAR TRAY LOCKING CLIP
Part number: /WCRGTCLIP

Two small plastic clips can be inserted into the gear tray retention support, with the gear tray in place. This prevents the end user from accessing components behind the tray that require no user maintenance. 2 locking clips are required required for each fitting.

Temporary Site Lighting

GRP110 IP65

Pages 20-21

CHANDLER IP65

Pages 22-23

CHANTASK IP54

Pages 24-25

SOLENT LV

Pages 26-27

A range of durable 110V luminaires for use on construction sites.

wirefield

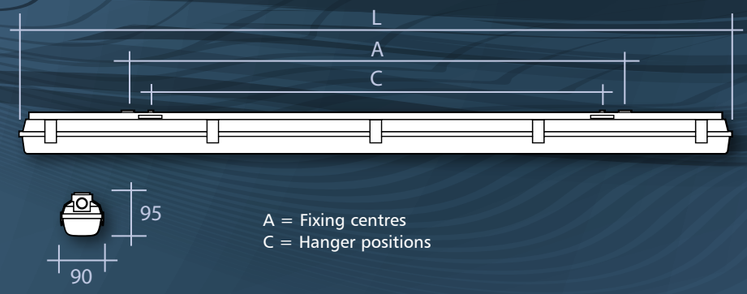
GRP110 IP65

TEMPORARY SITE LIGHTING

For low voltage construction site application

Highly durable and versatile fluorescent luminaires which offer resistance to impact and the adverse effect of moisture, dirt and dust.

Designed and manufactured to comply with EN 60598 and are CE certified.



A = Fixing centres
C = Hanger positions

Lamp Options

T8: 26mm Fluorescent Tubes
T5: 16mm Fluorescent Tubes
LED: LED Tubes

Product Specification

- Certified ingress protection to IP65
- High frequency control gear supplied as standard
- Fire retardant UV stabilised impact resistant polycarbonate diffuser
- Glass fibre re-enforced polyester body for maximum durability
- Diffuser retention clips captive to the diffuser for ease of installation
- Quality control gear and sub components for maximum service life
- Quick fix mounting with special "C" washers included in the fixing kit
- Multiple 20mm knock out entry points for maximum installation choice
- Poured neoprene closed cell anti-ageing gasket for a perfect seal
- 110 volt control gear
- Power factor correction capacitor fitted
- A comprehensive range of sizes for maximum application

LED Tube Comparison

Type	Length mm	Watts	Lumens	@3m lux
T8	600	18	1200	150
T5	600	14	1150	160
LED	600	9	850	150
T8	1500	58	4200	350
T5	1500	49	4150	375
LED	1500	22	2000	300

Optional Features

(Add suffix to order code)

/840: Supplied with colour 840 lamps

/P5C: Fitted with 5 metres of arctic grade yellow cable and 16 amp IP65 plug

/P-S5C: Fitted with 2 x 5 metres of arctic grade yellow cable and a 16 amp IP65 plug and socket

Optional Accessories

GRP/HANGER: Stainless steel Chain-Hook and Spreedyclip (2 per 2ft/4ft/5ft & 3 per 6ft fittings)

GRP/CHAIN-HOOK: Individual Chain-Hook (2 per 2ft/4ft/5ft & 3 per 6ft fittings)

GRP/SPEEDY-CLIP: Individual Speedyclip (2 per 2ft/4ft/5ft & 3 per 6ft fittings)

GRP/BESA-KIT: BESA box mounting

GRP/WCRGTCLIP: Gear tray locking clips (Two per fitting)

GRP/SSCLIP: Stainless steel diffuser retention clips (6 clips per 2ft, 8 clips per 4ft, 10 clips per 5ft & 12 clips per 6ft fittings)

GRP/SSCLIP/VR: Vandal resistance stainless steel diffuser retention clips (6 clips per 2ft, 8 clips per 4ft, 10 clips per 5ft & 12 clips per 6ft fittings)

GRP/WG: Wire guard

For Accessories please see page 16-17

Order Codes

Excluding Lamps

T8 Tube

Order Code	*Watt*	*L*	*A*	*Clips*	*Kg*
GRP118/HF/LV*	1 x 18	670	460	6	1.8
GRP218/HF/LV*	2 x 18	670	460	6	2.2
GRP158/HF/LV	1 x 58	1578	1100	10	4.0
GRP258/HF/LV	2 x 58	1578	1100	10	6.9

* **Please note** integral emergency options are not available on single and twin 18 watt versions.

T5 Tube

Order Code	*Watt*	*L*	*A*	*Clips*	*Kg*
GRP149/HF/LV	1 x 49	1578	1100	10	4.0

LED Tube - *Includes Lamps*

Order Code	*Watt*	*L*	*A*	*Clips*	*Kg*
GRP110LED19	1 x 9	670	460	6	1.5
GRP110LED29	2 x 9	670	480	6	1.5
GRP110LED222	2 x 22	1578	1100	10	3.5

Example order code:
GRP158/HF/LV/P5C – A 1 x 58 watt T8 110 volt corrosion resistant IP65 fluorescent luminaire with high frequency control gear, polycarbonate diffuser and fitted pre-wired 5 metres of yellow arctic grade cable and 16 Amp IP65 plug. Supplied without lamp.

Gear options

/E3: 3hr Emergency
/E3T: Self Test Emergency

Applications:

- Building sites
- 110 volt working areas
- Industrial task lighting

Ambient temperature guidance

High frequency	0˚C - +30˚C
Integral emergency	0˚C - +25˚C

wirefield

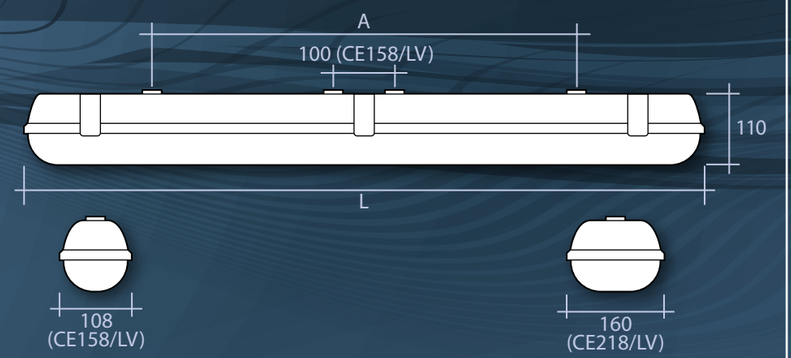
CHANDLER IP65

TEMPORARY SITE LIGHTING

For low voltage construction site application

Highly durable polycarbonate fluorescent luminaires which offer high resistance to impact and the adverse effect of moisture, dirt and dust.

Designed and manufactured to comply with EN 60598 and are CE certified.



Lamp Options

T8: 26mm Fluorescent Tubes

Applications:

- Building sites
- 110 volt working areas
- Industrial task lighting

Ambient temperature guidance

Switch start	0˚C - +30˚C
Integral emergency	0˚C - +25˚C

Product Specification

- Certified ingress protection to IP65
- Warranted for use at one site only
- UV stabilised impact resistant polycarbonate body and diffuser
- Diffuser retention clips captive to the body for ease of installation
- Fixing kit includes wiring gland and metal quick fix mounting plates and hooks
- Poured gasket for a perfect seal
- Powder coated gear trays ensure no sharp edges
- 110 volt switch start control gear as standard
- Power factor correction capacitor fitted
- For photometry details refer to Page 214 graph ref PC005

Optional Features

(Add suffix to order code)

/840: Supplied with colour 840 lamps

Order Codes

Excluding Lamps

T8 Tube

Order Code	*Watt*	*L*	*A*	*Clips*	*Kg*
CE158/LV	1 x 58	1570	1280	12	3.6
CE218/LV	2 x 18	660	530	6	1.9

Example order code:
CE158/LV – A 1 x 58 watt T8 110 volt corrosion resistant IP65 fluorescent luminaire with switch start control gear, polycarbonate body, diffuser, and fixing kit. Supplied without lamp.

Gear options

/HF: High Frequency

/E3: 3hr Emergency
/E3T: Self Test Emergency

wirefield

CHANTASK IP54

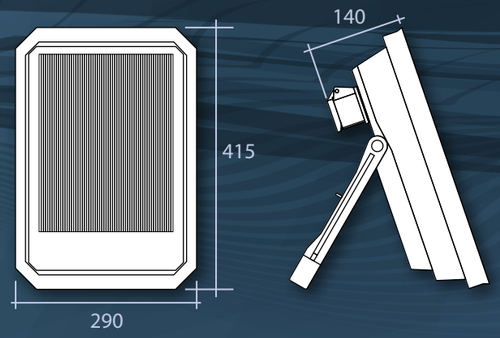
TASK LIGHT

A portable rubber site light

CEFL324LV

Highly durable lightweight rubber bodied task light, which has the benefit of high frequency 110 volt control gear and compact fluorescent lamps, offering high resistance to impact and the adverse affect of moisture, dirt and dust.

Designed and manufactured to comply with EN 60598 and are CE certified.



Lamp Options

TC-L: Linear Compact Fluorescent Lamp

CEFL324/MV

CEFL324LV

CEFL324/MV

Product Specification

- Certified ingress protection to IP54 (sockets IP44)
- 110 volt control gear fitted
- 240 volt option available
- Durable rubber body with UV stabilised impact resistant polycarbonate diffuser
- Supplied with 3 x 24 watt TC-L high efficiency compact fluorescent lamps
- Light weight body incorporates high frequency electronic control gear
- IP44 Accessory sockets fitted: (110 volt three x 16 amp) – (240 volt 2 x 13 amp)
- Pre-wired with 5 metres of cable with the appropriate plug fitted
- Fitted with a retractable locking stand for convenience

Optional Features

(Add suffix to order code)

/MV: 240 volts

Applications:

- Building sites
- 110 volt working areas
- Industrial task lighting

Ambient temperature guidance

High frequency	-25˚C - +30˚C

Order Codes

Including Lamps

TC-L Lamp

Order Code	*Watt*	*Lamp*	*Kg*
CEFL324LV	3 x 24	TC-L	4.0

Example order code:
CEFL324/MV– A 72 watt 240 volt rubber bodied IP54 floodlight with high frequency control gear, fitted with two IP44 13 amp outlet sockets. Supplied complete with lamps.

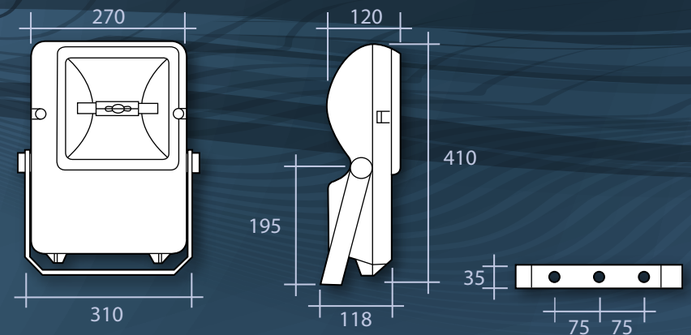
SOLENT LV IP65

TEMPORARY SITE FLOODLIGHT

For general area lighting

High efficiency compact floodlight incorporating either 70 or 150 watt metal halide or high pressure sodium lamps.

Designed and manufactured to comply with EN 60598 and is CE certified.



Lamp Options

SI: Elliptical Diffuse High Pressure Sodium with Integral Ignitor

QDE: Linear Metal Halide

Applications:

- Security and general access
- Smaller architectural features
- Amenity lighting
- Roadway lighting
- Feature illumination
- Temporary site lighting

Product Specification

- Certified ingress protection to IP65
- Choice of metal halide or high pressure sodium lamp included
- Highly durable die cast aluminium body
- Epoxy powder coated black for corrosion resistance
- High purity symmetric reflector for improved efficiency
- Quality integral 110V control gear for trouble free use
- Wired with high temperature silicone insulated cable for maximum heat resistance
- Hinged drop down front panel for ease of maintenance
- Captive fixings and rugged construction for a long service life
- Adjustable stirrup for maximum flexibility in mounting
- All gaskets are manufactured from heat resistant silicone rubber to ensure the IP65 rating
- **Windage guide = 0.11m²**

Optional Features

(Add suffix to order code)

/FTB: Fused terminal block

/PEC: Dusk to dawn sensing photo-electric cell (not available on TMP70S/LV)

Optional Accessories

/WG: Wire guard for improved protection

For fixing brackets see pages 68-69. For further information on these and for column information please speak to the sales team.

Solent IP65 230V also available - see page 42-43

Order Codes

Including Lamps

Order Code	*Watt*	*Kg*	*Lamp*
TMP70S/LV	70	7.6	SI
TMP150Q/HF/LV	150	8.0	QDE

Example order code:
TMP70S/LV – A 70 watt high pressure sodium floodlight with an IP65 aluminium body. Supplied complete with lamp.

Floodlighting

High efficiency light sources are used for illuminating architectural features, recreational applications, sports stadiums, security, general access, internal and external industrial installations, airports and marshalling yards.

Polycarbonate Body

Aluminium Body

Hazardous Area

POLYCARBONATE FLOODS

GARDA IP65
Pages 30-31

HAMBLE IP65
Pages 32-33

ROMA IP65
Pages 34-35

ROMA ULL IP65
Pages 36-37

VELA IP65
Pages 38-39

ALUMINIUM FLOODS

SOLENT IP65
Pages 40-41

SOLENT 1 IP65
Pages 42-43

VENUS IP65
Pages 44-45

VIRTUS IP65
Pages 46-47

VEGA IP66
Pages 48-49

ZEXEN FL ZONE 2 IP66
Pages 50-51

Specialist Floodlighting

ARCHITECTURAL FLOODS

MARS IP65
Pages 52-53

SILVER SOLENT IP66
Pages 54-55

SILVER SPEAR 2000 IP66
Pages 56-57

SILVER LANCE 1000 IP66
Pages 58-59

SILVER SABRE 3 IP66
Pages 60-61

SILVER SABRE 2 IP67
Pages 62-63

SILVER SABRE 1 IP67
Pages 64-65

VERSA®
Pages 66-67

ACCESSORIES
Pages 68-69

WEB www.wirefield.co.uk TEL 08448 475100 FAX 08448 475101

Polycarbonate Body

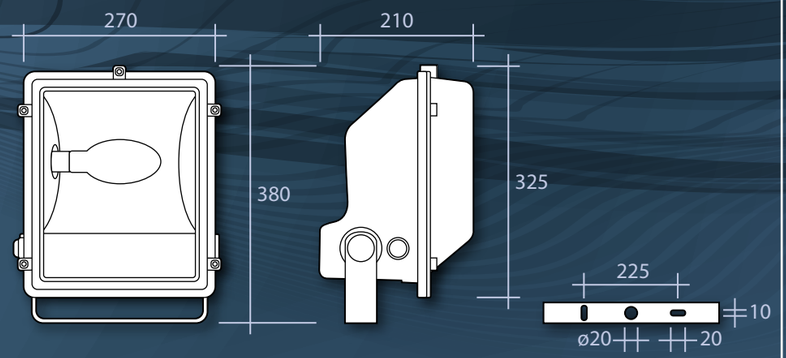
GARDA IP65

COMPACT POLYCARBONATE FLOODLIGHT

For general area lighting

High efficiency cost effective floodlight incorporating a 70 watt high pressure sodium or metal halide lamp.

Designed and manufactured to comply with EN 60598 and are CE certified.



Lamp Options

SI: Elliptical Diffuse High Pressure Sodium with Integral Ignitor

QDE: Linear Metal Halide

Applications:

- Security
- General exterior lighting
- Amenity lighting

Product Specification

- Certified to ingress protection to IP65
- Choice of high pressure sodium lamp (with internal ignitor included) or metal halide lamp
- UV stabilized impact resistant polycarbonate body and diffuser
- Symmetric reflector
- Integral control gear
- Easy installation with a clear drop down front cover and IP65 cable gland
- Adjustable stirrup for easy mounting
- All gaskets manufactured from heat resistant silicone rubber to ensure IP65 rating
- Available with dusk to dawn sensing photo-electric cell
- **Windage guide = 0.11m²**

Optional Accessories

For fixing brackets see pages 68-69. For further information on these and for column information please speak to the sales team.

Order Codes

Including Lamps

Order Code	*Watt*	*Kg*	*Lamp*
CE70S-POLY	70	3.3	SI
CE70S-POLY-PEC	70	3.3	SI
CE70Q-POLY	70	3.3	QDE
CE70Q-POLY-PEC	70	3.3	QDE

Example order code:
CE70S-POLY – A 70 watt high pressure sodium floodlight with a polycarbonate IP65 body and diffuser. Supplied complete with lamp.

Polycarbonate Body

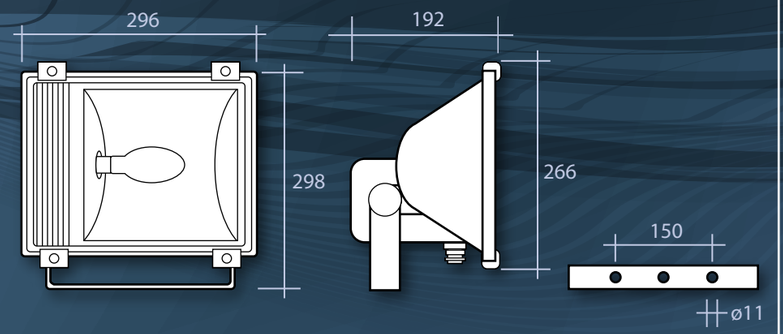
HAMBLE IP65

PROFESSIONAL POLYCARBONATE FLOODLIGHT

For general area lighting

High efficiency compact floodlight incorporating either a 70 watt metal halide or high pressure sodium lamp.

Designed and manufactured to comply with EN 60598 and are CE certified.



Lamp Options

SI: Elliptical Diffuse High Pressure Sodium with Integral Ignitor

QDE: Linear Metal Halide

Application:

- Security and general access
- Marine floodlighting
- Roadway lighting
- Feature illumination
- Amenity lighting

Product Specification

- Certified ingress protection to IP65
- Supplied as standard with timed ignitor to prevent lamp cycling
- Choice of metal halide or high pressure sodium lamp included
- Highly durable UV stabilized impact resistant polycarbonate body
- Improved resistance to salt water corrosion
- High purity symmetric reflector for improved efficiency
- Quality integral control gear for trouble free use
- Wired with high temperature silicone insulated cable for maximum heat resistance
- Easy maintenance with quick release toughened glass front cover
- Captive fixings and rugged construction for a long service life
- Adjustable stirrup with aiming facility for precision mounting
- All gaskets manufactured from heat resistant silicone rubber to ensure IP65 rating
- For photometry details refer to Page 214 graph ref PC006
- **Windage guide = 0.065m²**

Optional Features

(Add suffix to order code)

/PEC: Dusk to dawn sensing photo-electric cell

/FTB: Fused terminal block

/WH: White housing

Optional Accessories

/WG: Wire guard for improved protection

For fixing brackets see pages 68-69. For further information on these and for column information please speak to the sales team.

Order Codes

Including Lamps

Order Code	*Watt*	*Kg*	*Lamp*
WFL70S/POLY	70	5.6	SI
WFL70Q/POLY	70	5.5	QDE

Example order code:
WFL70Q/POLY/TI/PEC – A 70 watt metal halide floodlight with an IP65 polycarbonate body, photo-electric cell and timed ignitor. Supplied complete with lamp.

Polycarbonate Body

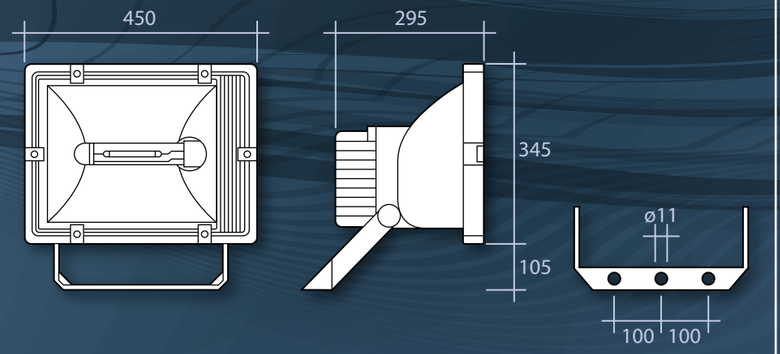
ROMA IP65

PROFESSIONAL POLYCARBONATE FLOODLIGHT

For general area lighting

High efficiency floodlight with UV stabilised impact resistant polycarbonate body incorporating metal halide, high pressure sodium, or mercury discharge lamp with power ratings ranging from 150 to 400 watts.

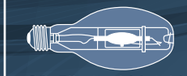
Designed and manufactured to comply with EN 60598 and are CE certified.



Lamp Options

S: Tubular High Pressure Sodium

Q: Tubular Metal Halide


QP: Elliptical Metal Halide – Protected

M: Elliptical Diffuse Mercury

Product Specification

- Certified ingress protection to IP65
- Supplied as standard with timed ignitor to prevent lamp cycling
- Choice of metal halide, high pressure sodium or mercury lamp included
- Highly durable UV stabilized impact resistant polycarbonate body
- Improved resistance to salt water corrosion
- High purity symmetric reflector for improved efficiency, with an asymmetric reflector option
- Quality integral control gear for trouble free use
- Wired with high temperature silicone insulated cable for maximum heat resistance
- Easy maintenance with quick release toughened front glass
- Captive fixings and rugged construction for a long service life
- Adjustable stirrup with aiming facility for precision mounting
- All gaskets manufactured from heat resistant silicone rubber to ensure IP65 rating
- For photometry details refer to Page 214 graph ref PC007
- **Windage guide = 0.15m²**

Optional Features

(Add suffix to order code)

/FTB: Fused terminal block

/PEC: Dusk to dawn sensing photo-electric cell

/AS: Asymmetric reflector (sodium and metal halide only)

/WH: White housing

Optional Accessories

/WG: Wire guard for improved protection

For fixing brackets see pages 68-69. For further information on these and for column information please speak to the sales team.

Order Codes

Including Lamps

Order Code	*Watt*	*Kg*	*Lamp*
WFL150S/POLY	150	7.2	S
WFL250S/POLY	250	8.5	S
WFL400S/POLY	400	10.6	S
WFL150QP/POLY	150	7.4	QP
WFL250Q/POLY	250	8.1	Q
WFL400Q/POLY	400	8.4	Q
WFL250M/POLY	250	7.8	M
WFL400M/POLY	400	8.2	M

Example order code:
WFL400QP/POLY/TI/PEC – A 400 watt metal halide floodlight with an IP65 polycarbonate body, timed ignitor, and photo-electric cell. Supplied complete with lamp.

Applications:

- Marine floodlighting
- Security and general access
- Architectural features
- Sports facilities
- Car parks

wirefield

Polycarbonate Body

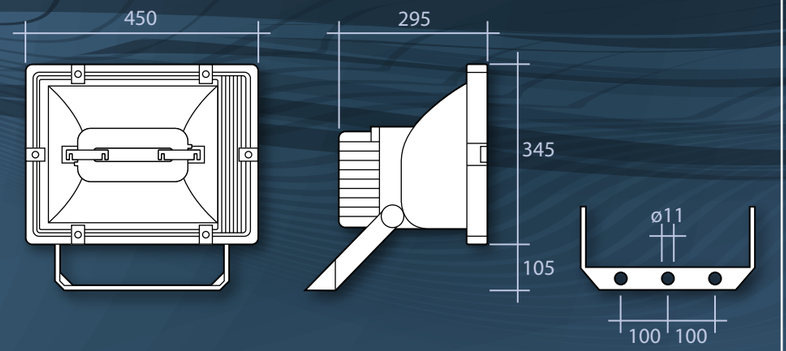
ROMA ULL IP65

ULTRA LONG LIFE POLYCARBONATE FLOODLIGHT

For maintenance free application

High efficiency floodlights with Ultra Long Lamp Life incorporating the Osram Endura Lumilux lamp driven by Osram Quicktronic high frequency control gear.

Designed and manufactured to comply with EN 60598 and are CE certified.



Lamp Options

END: Endura

Applications:

- Automated 24 hour factory environments
- Installations with limited provision for maintenance or access
- Remote locations

Product Specification

- Certified ingress protection to IP65
- Massive 60,000 hours lamp life
- Flicker free instant start operation
- Hot re-strike
- Light weight high efficiency electronic control gear
- Highly durable UV stabilized impact resistant polycarbonate body
- Improved resistance to salt water corrosion
- High purity symmetric reflector for improved efficiency
- Easy installation with removable gear box cover and IP65 cable gland
- Captive fixings and rugged construction for a long service life
- Adjustable stirrup with aiming facility for precision mounting
- All gaskets manufactured from heat resistant silicone rubber to ensure IP65 rating
- For photometry details refer to Page 214 graph ref PC08
- **Windage guide = 0.15m²**

Optional Features

(Add suffix to order code)

/FTB: Fused terminal block

/PEC: Dusk to dawn sensing photo-electric cell

/WH: White housing

Accessories

/WG: Wire guard for improved efficiency

For fixing brackets see pages 68-69. For further information on these and for column information please speak to the sales team.

Order Codes

Including Lamps

Order Code	*Watt*	*Kg*	*Lamp*
WFL100END/POLY	100	7.2	END

Example order code:
WFL100END/POLY/PEC – A 100 watt Endura floodlight with an IP65 polycarbonate body and photo-electric cell. Supplied complete with lamp.

wirefield

Polycarbonate Body

VELA IP65

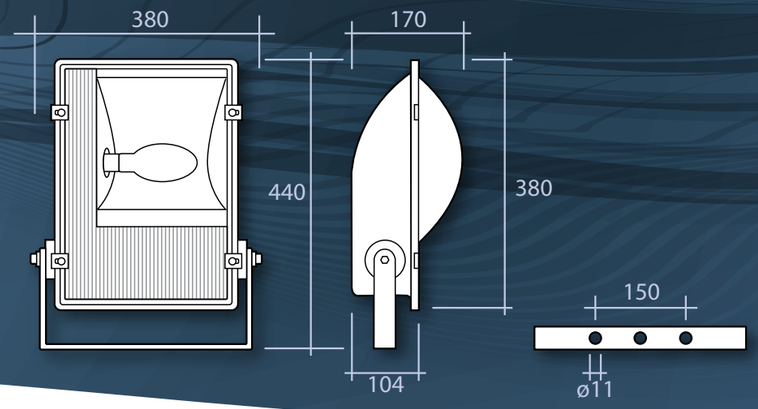
PROFESSIONAL POLYCARBONATE FLOODLIGHT

For special application

High efficiency floodlight with a slim cross sectional profile incorporating either metal halide, high pressure sodium, or mercury discharge lamp with power ratings ranging from 70 to 150 watts. The floodlight is available with either asymmetric or symmetric reflector and a choice of a polycarbonate or glass front cover.

Pictured with glass front option

Designed and manufactured to comply with EN 60598 and are CE certified.



Lamp Options

SI: Elliptical Diffuse High Pressure Sodium with Integral Ignitor

QDE: Linear Metal Halide

QP: Elliptical Metal Halide – Protected

M: Elliptical Diffuse Mercury

Product Specification

- Certified ingress protection to IP65
- Supplied as standard with timed ignitor to prevent lamp cycling
- Choice of metal halide, high pressure sodium or mercury lamp included
- Highly durable UV stabilised impact resistant polycarbonate dished front cover, with toughened glass front option
- Improved resistance to salt water corrosion
- High purity symmetric reflector for improved efficiency, with an asymmetric reflector option
- Quality integral control gear for trouble free use
- Captive fixings and rugged construction for a long service life
- Adjustable stirrup with aiming facility for maximum flexibility in mounting
- All gaskets are manufactured from heat resistant silicone rubber to ensure IP65 rating
- For photometry details refer to Page 214 graph ref PC09
- **Windage guide = 0.066m²**

Optional Features

(Add suffix to order code)

/FTB: Fused terminal block

/PEC: Dusk to dawn sensing photo-electric cell

/AS: Asymmetric reflector

Optional Accessories

/GLASS: Glass front (dished polycarbonate front cover as standard)

For fixing brackets see pages 68-69. For further information on these and for column information please speak to the sales team.

Order Codes

Including Lamps

Order Code	*Watt*	*Kg*	*Lamp*
WFL70S/POLY(V)	70	3.6	SI
WFL100S/POLY(V)	100	4.0	S
WFL70QP/POLY(V)	70	3.8	QP
WFL150QP/POLY(V)	150	4.7	QP
WFL80M/POLY(V)	80	3.6	M

Special note: When a glass front is used QDE lamps are fitted.

Example order code:
WFL150QP/POLY(V)/GF/TI/AS/PEC – A 150 watt metal halide floodlight with an IP65 polycarbonate body, glass front, timed ignitor, asymmetric reflector and photo-electric cell. Supplied complete with lamp.

Applications:

- Car parks
- Environmental floodlighting
- Amenity lighting
- Security lighting
- Feature illumination
- Marine floodlighting
- Food industry

wirefield

Aluminium Body

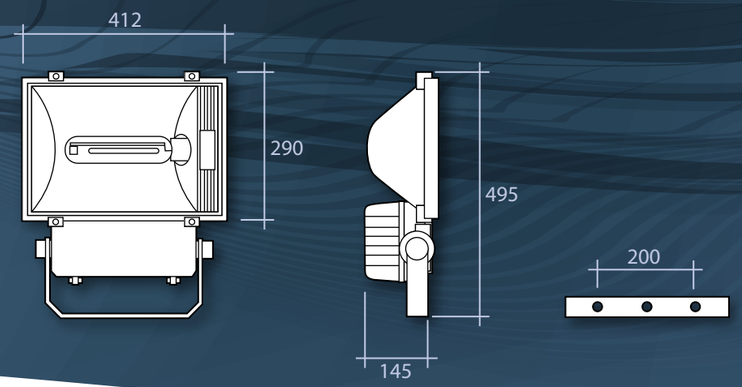
SOLENT IP65

ALUMINIUM FLOODLIGHT

For general area lighting

High efficiency floodlight incorporating metal halide, high pressure sodium, or mercury discharge lamp with power ratings ranging from 150 to 400 watts.

Designed and manufactured to comply with EN 60598 and are CE certified.



Lamp Options

S: Tubular High Pressure Sodium

Q: Tubular Metal Halide

M: Elliptical Diffuse Mercury

Product Specification

- Certified ingress protection to IP65
- Supplied as standard with timed ignitor to prevent lamp cycling
- Choice of metal halide, high pressure sodium or mercury lamp included
- Highly durable die cast aluminium body
- Epoxy powder coated for corrosion resistance
- High purity symmetric reflector for improved efficiency
- Quality integral control gear for trouble free use
- Wired with high temperature silicone insulated cable for maximum heat resistance
- Hinged drop down front panel for ease of maintenance
- Captive fixings and rugged construction for a long service life
- Adjustable stirrup with aiming facility for maximum flexibility in mounting
- All gaskets are manufactured from heat resistant silicone rubber to ensure the IP65 rating
- For photometry details refer to Page 215 graph ref PC010
- **Windage guide = 0.16m²**

Optional Features

(Add suffix to order code)

/FTB: Fused terminal block

/PEC: Dusk to dawn sensing photo-electric cell

Optional Accessories

/AGL: Anti-Glare Louvre for precise illumination

/AGV: Anti-Glare Visor for an improved angle of cut off

/WG: Wire Guard for improved protection

For fixing brackets see pages 68-69. For further information on these and for column information please speak to the sales team.

Order Codes

Including Lamps

Order Code	*Watt*	*Kg*	*Lamp*
WFL150S	150	8	S
WFL250S	250	9.3	S
WFL400S	400	10.4	S
WFL150Q	150	5.7	Q
WFL250Q	250	8.5	Q
WFL400Q	400	9.4	Q
WFL250M	250	8	M
WFL400M	400	9	M

Example order code:
WFL400Q/TI/PEC – A 400 watt metal halide floodlight with an IP65 aluminium body, timed ignitor and photo-electric cell. Supplied complete with lamp.

Applications:

- Security and general access
- Architectural features
- Car parks
- Exterior lighting
- Sports facilities

Aluminium Body

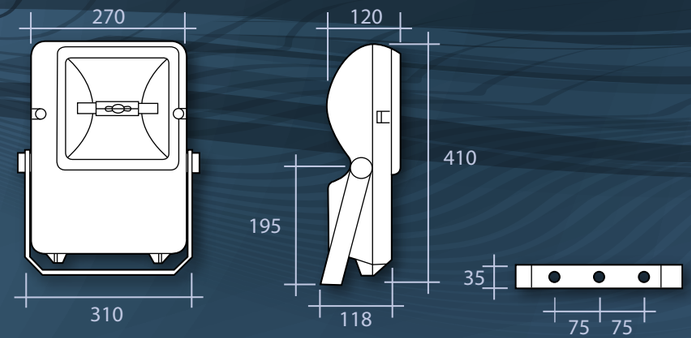
SOLENT 1 IP65

COMPACT ALUMINIUM FLOODLIGHT

For general area lighting

High efficiency compact floodlight incorporating either 70 or 150 watt metal halide or high pressure sodium lamps.

Designed and manufactured to comply with EN 60598 and is CE certified.



Lamp Options

SI: Elliptical Diffuse High Pressure Sodium with Integral Ignitor

QDE: Linear Metal Halide

Applications:

- Security and general access
- Smaller architectural features
- Amenity lighting
- Roadway lighting
- Feature illumination

Product Specification

- Certified ingress protection to IP65
- Supplied as standard with timed ignitor to prevent lamp cycling
- Choice of metal halide or high pressure sodium lamp included
- Highly durable die cast aluminium body
- Epoxy powder coated black for corrosion resistance
- High purity symmetric reflector for improved efficiency
- Quality integral control gear for trouble free use
- Wired with high temperature silicone insulated cable for maximum heat resistance
- Hinged drop down front panel for ease of maintenance
- Captive fixings and rugged construction for a long service life
- Adjustable stirrup for maximum flexibility in mounting
- All gaskets are manufactured from heat resistant silicone rubber to ensure the IP65 rating
- For photometry details refer to Page 215 graph ref PC011
- **Windage guide = 0.11m²**

Optional Features

(Add suffix to order code)

/FTB: Fused terminal block

/PEC: Dusk to dawn sensing photo-electric cell

Optional Accessories

/WG: Wire guard for improved protection

For fixing brackets see pages 68-69. For further information on these and for column information please speak to the sales team.

Order Codes

Including Lamps

Order Code	*Watt*	*Kg*	*Lamp*
TMP70S	70	5.6	SI
TMP70Q	70	5.5	QDE
TMP150Q	150	6.5	QDE

Example order code:
TMP70S/TI/PEC – A 70 watt high pressure sodium floodlight with an IP65 aluminium body, photo-electric cell and timed ignitor. Supplied complete with lamp.

Aluminium Body

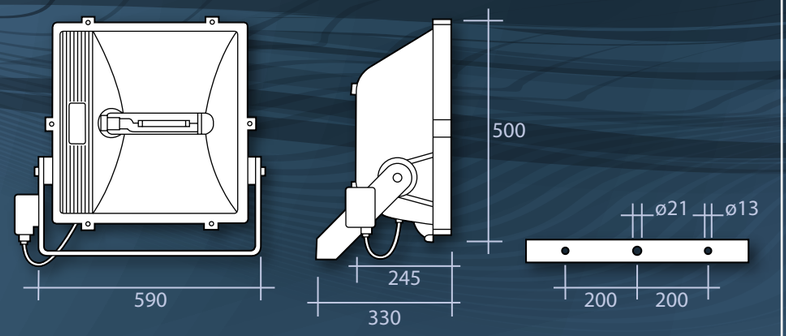
VENUS IP65

HIGH POWER ALUMINIUM FLOODLIGHT

For general area lighting

High power floodlight incorporating either metal halide or high pressure sodium lamp, with power ratings ranging from 600 to 1000 watts. The ignitor is mounted on the stirrup in an IP65 enclosure and the control gear is in a remote IP65 die cast aluminium housing.

Designed and manufactured to comply with EN 60598 and are CE certified.



Lamp Options

S: Tubular High Pressure Sodium

Q: Tubular Metal Halide

Applications:

- Railway marshalling yards
- Large scale external storage areas
- Commercial vehicle parks
- Sports facilities
- Docks
- Building sites

Product Specification

- Certified ingress protection to IP65
- Supplied as standard with timed ignitor to prevent lamp cycling
- Choice of metal halide or high pressure sodium lamp included
- Highly durable die cast aluminium body
- High purity symmetric reflector for improved efficiency
- Separate IP65 ignitor enclosure for improved reliability
- Remote control gear in an IP65 enclosure can be mounted up to 30 metres from the floodlight
- Quality sub components and porcelain terminal blocks are incorporated for trouble free use
- Wired with high temperature silicone insulated cable for maximum heat resistance
- Hinged drop down front panel for ease of maintenance
- Captive fixings and rugged construction for a long service life
- Heavy duty adjustable stirrup with aiming facility for precision mounting
- All gaskets are manufactured from heat resistant silicone rubber to ensure IP65 rating
- For photometry details refer to Page 215 graph ref PC012
- **Windage guide = 0.245m²**

Optional Features

(Add suffix to order code)

/AS: Asymmetric reflector

IP65 Control Gear Box

Remote mounting cast aluminium IP65 control gearbox.

- Size – 255mm x 185mm x 165mm
- Fixing centres - 230mm x 170mm
- Weight 600 watt - 9.5 Kg's
- Weight 1000 watt - 12.10 Kg's

For fixing brackets see pages 68-69. For further information on these and for column information please speak to the sales team.

Order Codes

Including Lamps

Order Code	*Watt*	*Kg*	*Lamp*
WFL600S	600	12.7	S
WFL1000S	1000	12.7	S
WFL600Q	600	12.7	Q
WFL1000Q	1000	12.7	Q

Example order code:
WFL1000S – A 1000 watt high pressure sodium floodlight with an IP65 aluminium body, timed ignitor, remote control gear to IP65 and symmetric reflector. Supplied complete with lamp.

Aluminium Body

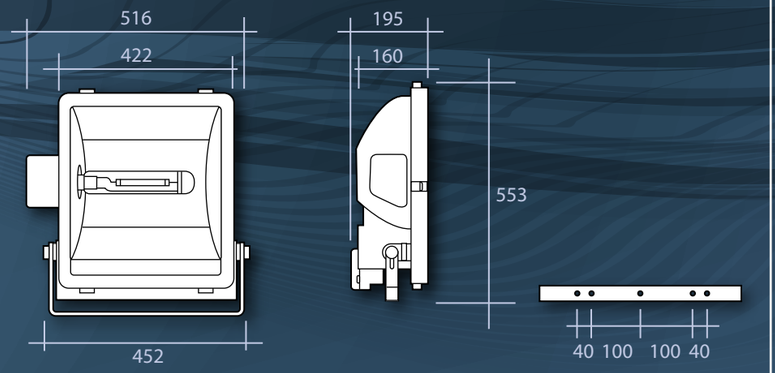
VIRTUS IP65

COMPACT HIGH POWER ALUMINIUM FLOODLIGHT

For general area lighting

High power floodlight incorporating either 600 or 1000 watt metal halide or high pressure sodium lamp. The ignitor is mounted on the back of the body in an IP65 enclosure and the control gear is in a remote IP65 die cast aluminium housing.

Designed and manufactured to comply with EN 60598 and are CE certified.



Lamp Options

S: Tubular High Pressure Sodium

Q: Tubular Metal Halide

Applications:

- Sports facilities
- Shopping centre car parks
- Airport aprons
- Large external storage areas
- Ferry terminals

Product Specification

- Certified ingress protection to IP65
- Supplied as standard with timed ignitor to prevent lamp cycling
- Choice of metal halide or high pressure sodium lamp included
- Compact highly durable die cast aluminium body
- High purity symmetric reflector for improved efficiency
- Separate IP65 ignitor enclosure for improved reliability
- Remote control gear in an IP65 enclosure can be mounted up to 30 metres from the floodlight
- Quality sub components and porcelain terminal blocks are incorporated for trouble free use
- Wired with high temperature silicone insulated cable for maximum heat resistance
- Hinged drop down front panel for ease of maintenance
- Captive fixings and rugged construction for a long service life
- Heavy duty adjustable stirrup with aiming facility for precision mounting
- All gaskets are manufactured from heat resistant silicone rubber to ensure IP65 rating
- For photometry details refer to Page 215 graph ref PC013
- **Windage guide = 0.245m²**

IP65 Control Gear Box

Remote mounting cast aluminium IP65 control gearbox.

- Size – 255mm x 185mm x 165mm
- Fixing centres - 230mm x 170mm
- Weight 600 watt - 9.5 Kg's
- Weight 1000 watt - 12.10 Kg's

For fixing brackets see pages 68-69. For further information on these and for column information please speak to the sales team.

Order Codes

Including Lamps

Order Code	*Watt*	*Kg*	*Lamp*
WFL600S/VIR	600	9.5	S
WFL1000S/VIR	1000	9.5	S
WFL600Q/VIR	600	9.5	Q
WFL1000Q/VIR	1000	9.5	Q

Example order code:
WFL1000S/VIR/TI – A 1000 watt high pressure sodium floodlight with an IP65 aluminium body, timed ignitor, remote control gear to IP65 and symmetric reflector. Supplied complete with lamp.

wirefield

Aluminium Body

VEGA IP66

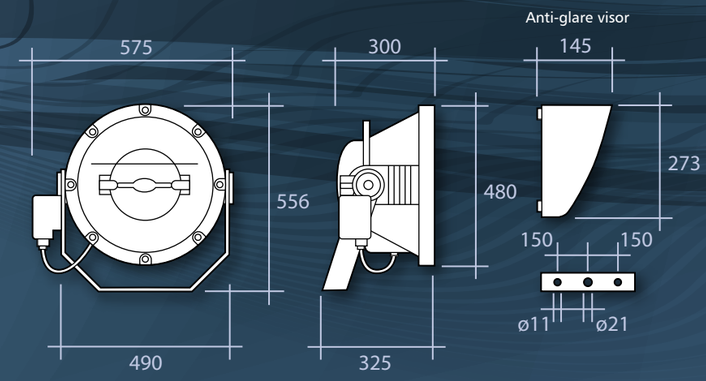
PRECISION HIGH POWER ALUMINIUM FLOODLIGHT

For special application

Pictured with internal glare control baffle

High power precision floodlight incorporating a short arc 1000 watt metal halide lamp. The ignitor is mounted on the stirrup in an IP65 enclosure and the control gear is in a remote IP65 die cast aluminium housing.

Designed and manufactured to comply with EN 60598 and are CE certified.



Pictured with anti-glare visor and internal glare control baffle

Applications:

- Sports stadiums
- Golf driving ranges
- Football stadiums
- High power precision floodlighting

Product Specification

- Certified ingress protection to IP66
- Supplied as standard with timed ignitor to prevent lamp cycling
- Short arc linear metal halide lamp included
- Highly durable die cast aluminium body with a removable frame
- Toughened glass front cover
- Highly specular precision symmetric reflector with optional internal glare control baffle
- Separate IP65 ignitor enclosure for improved reliability
- Quality 380/415 volt three phase remote IP65 gear box can be mounted up to 30 metres from the floodlight for reduced weight and windage
- Premium quality sub components for a long service life
- Mains isolating switch on rear of lamp replacement panel for improved safety
- Heavy duty adjustable stirrup with aiming facility for precision mounting
- All gaskets are manufactured from heat resistant silicone rubber to ensure IP66 rating
- For photometry details refer to Page 215 graph ref PC014
- **Windage guide = 0.20m²**

Optional Accessories

/AGV: Anti-Glare Visor for an improved angle of cut off

/CG: Ceramic glass - required when floodlight is angled above 70˚ from the vertical

/IGCB: Internal glare-control baffle

IP65 Control Gear Box

Remote mounting cast aluminium IP65 control gearbox.

- Size – 255mm x 185mm x 165mm
- Fixing centres - 230mm x 170mm
- Weight 1000 watt - 12.10 Kg's

For fixing brackets see pages 68-69. For further information on these and for column information please speak to the sales team.

Lamp Options

QDES/C: Linear Short Arc Metal Halide with Cable Connection

Order Codes

Including Lamps

Order Code	*Watt*	*Kg*	*Lamp*
VGA1000Q	1000	12.5	QDES/C

Example order code:
VGA1000Q/TI/AGV/IGCB – A 1000 watt 380/415 volt three phase metal halide IP66 floodlight with an aluminium body, timed ignitor, remote control gear to IP65, optional internal glare control baffle and anti glare visor. Supplied complete with lamp.

Aluminium Body

ZEXEN FL ZONE 2 IP66

ZONE 2 ALUMINIUM FLOODLIGHT

For hazardous area lighting

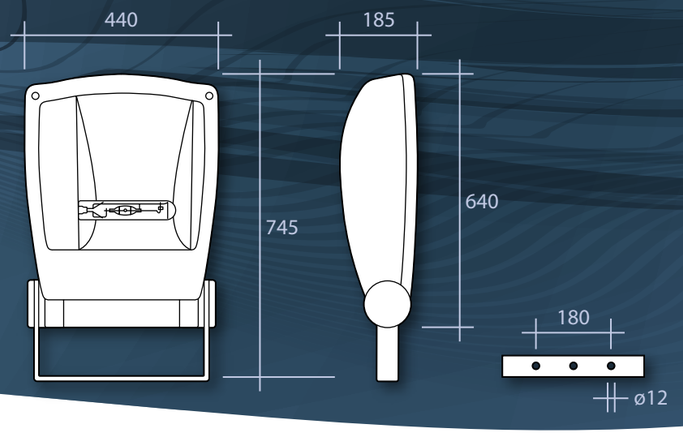
High efficiency Zone 2 and 22, Cat 3 highly durable and versatile luminaire which offers resistance to impact and the adverse effects of moisture, dirt and dust.

Certification code: EEx nA II 3 GD

T3 (Tamb -20 to +30 degrees centigrade).

Certificate number: Epsilon 05 ATEX TFZT/01

Designed and manufactured to comply with EN 50021 and is CE certified.



Lamp Options

S: Tubular High Pressure Sodium

Q: Tubular Metal Halide

Product Specification

- Certified ingress protection to IP66
- Supplied as standard with timed ignitor to prevent lamp cycling
- Suitable for use in gas and dust areas
- Choice of metal halide or high pressure sodium lamp included
- Highly durable die cast aluminium body
- High purity asymmetric reflector for improved efficiency
- Quality sub components used for a long service life
- Hinged drop down front for ease of maintenance
- Adjustable stirrup with aiming facility for precision mounting
- All gaskets are manufactured from heat resistant silicone rubber to ensure IP66 rating
- For photometry details refer to Page 215 graph ref PC015
- **Windage guide = 0.28m²**

Optional Accessories

For fixing brackets see pages 68-69. For further information on these and for column information please speak to the sales team.

Order Codes

Including Lamps

Order Code	*Watt*	*Kg*	*Lamp*
ZFL250S	250	22	S
ZFL400S	400	22	S
ZFL250Q	250	22	Q
ZFL400Q	400	22	Q

Example order code:
ZFL250S/TI – A 250 watt high pressure sodium floodlight with an IP66 aluminium body and timed ignitor. Supplied complete with lamp.

Note this product is not always held in stock - please allow up to 5 weeks to guarantee delivery.

Applications:

- Flour mills
- Zone 2, Cat 3 nominated hazardous areas
- Grain stores
- Dusty environments

Ambient temperature guidance

High frequency T3	-20˚C to +30˚C

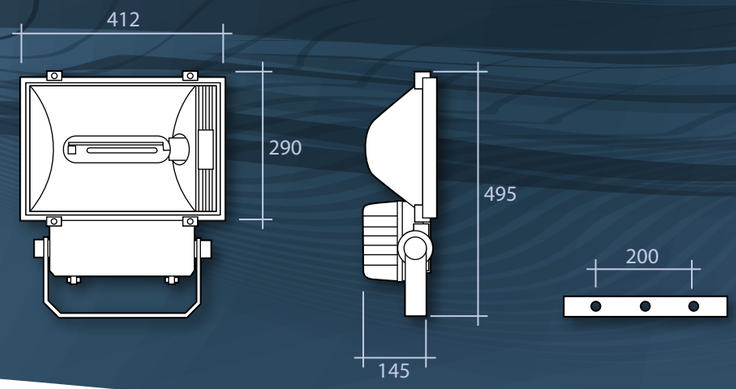
MARS IP65

HEAVY DUTY ALUMINIUM FLOODLIGHT

For the more demanding application

Robust high efficiency floodlight incorporating metal halide, high pressure sodium, or mercury discharge lamp with power ratings ranging from 150 to 400 watts.

Designed and manufactured to comply with EN 60598 and are CE certified.



Lamp Options

S: Tubular High Pressure Sodium

Q: Tubular Metal Halide

M: Elliptical Diffuse Mercury

Product Specification

- Certified ingress protection to IP65
- Choice of metal halide, high pressure sodium or mercury lamp included
- Highly durable heavy grade die cast aluminium body
- White epoxy powder coated for corrosion resistance
- High purity symmetric reflector for improved efficiency
- Quality integral control gear for trouble free use
- Wired with high temperature silicone insulated cable for maximum heat resistance
- Hinged drop down front panel for ease of maintenance
- Captive fixings and rugged construction for a long service life
- Adjustable stirrup with aiming facility for maximum flexibility in mounting
- All gaskets are manufactured from heat resistant silicone rubber to ensure the IP65 rating
- For photometry details refer to Page 215 graph ref PC016
- **Windage guide = 0.16m²**

Optional Features

(Add suffix to order code)

/TI: Timed ignitor to prevent lamp cycling

/FTB: Fused terminal block

/PEC: Dusk to dawn sensing photo-electric cell

Optional Accessories

/AGL: Glare control louvre for precise illumination

/AGV: Glare control visor for an improved angle of cut off

/WG: Wire Guard for improved protection

For fixing brackets see pages 68-69. For further information on these and for column information please speak to the sales team.

Order Codes

Including Lamps

Order Code	*Watt*	*Kg*	*Lamp*
WFL150S/MARS	150	8.7	S
WFL250S/MARS	250	10	S
WFL400S/MARS	400	11.1	S
WFL150Q/MARS	150	6.4	Q
WFL250Q/MARS	250	9.2	Q
WFL400Q/MARS	400	10.1	Q
WFL250M/MARS	250	8.7	M
WFL400M/MARS	400	9.7	M

Example order code:
WFL400Q/MARS/TI/PEC – A 400 watt metal halide white floodlight with an IP65 aluminium body, timed ignitor and photo-electric cell. Supplied complete with lamp.

Applications:

- Security and general access
- Architectural features
- Car parks
- Exterior lighting
- Sports facilities

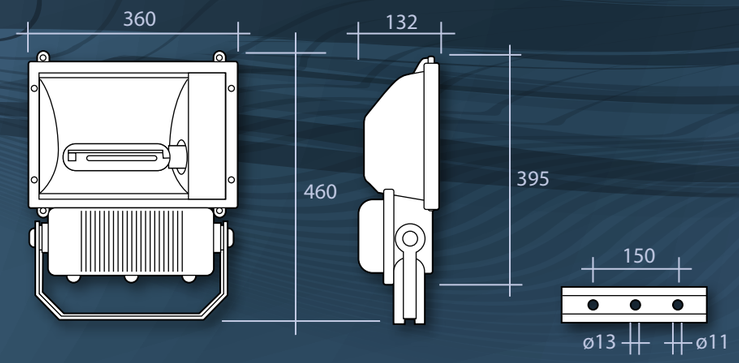
SILVER SOLENT IP66

ASYMMETRIC ALUMINIUM FLOODLIGHT

For general area lighting with reduced light spill

High performance premium quality floodlight with precision optics incorporating either a 250 or 400 watt metal halide or high pressure sodium discharge lamp.

Designed and manufactured to comply with EN 60598 and are CE certified.



Lamp Options

S: Tubular High Pressure Sodium

Q: Tubular Metal Halide

Applications:

- Security and general access
- Architectural features
- Car parks
- Exterior lighting
- Sports facilities

Product Specification

- Certified ingress protection to IP66
- Choice of metal halide or high pressure sodium lamp included
- Highly durable die cast aluminium body
- Epoxy powder coated silver for maximum corrosion resistance (RAL 9006)
- High purity anodised aluminium asymmetric reflector for reduced light spill
- Quality integral control gear for trouble free use
- Wired with high temperature silicone insulated cable for maximum heat resistance
- Easy maintenance with hinge down toughened glass front
- Captive fixings and rugged construction for a long service life
- Adjustable stirrup with aiming facility for precision mounting
- All gaskets are manufactured from heat resistant silicone rubber to ensure the IP66 rating
- For photometry details refer to Page 215 graph ref PC017
- **Windage guide - 0.13m²**

Optional Features

(Add suffix to order code)

/TI: Timed ignitor to prevent lamp cycling

/FTB: Fused terminal block

/PEC: Dusk to dawn sensing photo-electric cell

For fixing brackets see pages 68-69. For further information on these and for column information please speak to the sales team.

Order Codes

Including Lamps

Order Code	*Watt*	*Kg*	*Lamp*
SSO250S	250	8.1	S
SSO400S	400	8.9	S
SSO250Q	250	8.1	Q
SSO400Q	400	8.9	Q

Example order code:
SSO400Q/TI/PEC – A 400 watt metal halide floodlight with an IP66 aluminium body, timed ignitor, asymmetric reflector and photo-electric cell. Supplied complete with lamp.

Specialist Floodlighting

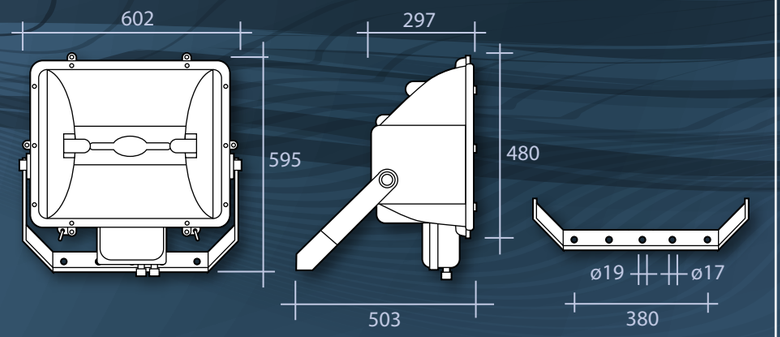
SILVER SPEAR 2000 IP66

HIGH POWER ALUMINIUM FLOODLIGHT

For general area lighting where higher light levels are needed

High performance premium quality floodlight with precision optics for 2000 watt metal halide lamps.

Designed and manufactured to comply with EN 60598 and are CE certified.



Lamp Options

QDEL/C: Linear Long Arc Metal Halide with Cable Connection

/SYN Symmetric narrow beam reflector

/ASN Asymmetric narrow beam reflector

/HIC High intensity circular reflector

Applications:

- Football pitches
- Golf driving ranges
- Training grounds
- Stadium lighting
- Security and general access
- Railway marshalling yards
- Lorry parks
- Docks

Product Specification

- Certified ingress protection to IP66
- Choice of asymmetric, symmetric, or high intensity beam to best suit the application
- Metal halide lamp included
- Highly durable die cast aluminium body
- Epoxy powder coated for maximum corrosion resistance (RAL 9006)
- High purity anodised aluminium reflector with a glare control baffle for maximum comfort
- Quality 380/415 volt three phase remote IP65 gear box can be mounted up to 30 metres from the floodlight for reduced weight and windage
- Wired with high temperature silicone insulated cable for maximum heat resistance
- Easy maintenance with hinged down toughened glass front
- Captive fixings and rugged construction for a long service life
- Adjustable stirrup with aiming facility for precision mounting
- All gaskets are manufactured from heat resistant silicone rubber to ensure the IP66 rating
- For photometry details refer to Pages 215 and 216 graph ref PC018, PC019 and PC020
- **Windage guide - 0.26m²**

IP65 Control Gear Box

Remote mounting cast aluminium IP65 control gearbox.

- Size – 255mm x 185mm x 165mm
- Weight - 11.5 Kg's

For fixing brackets see pages 68-69. For further information on these and for column information please speak to the sales team.

Order Codes

Including Lamps

Order Code	*Watt*	*Kg*	*Lamp*
SSP2000Q/*	2000	19.4	QDEL/C

*/ Please note requires a reflector option

Reflector options

(Add suffix to order code)

/ASN: Asymmetric narrow beam

/SYN: Symmetric narrow beam

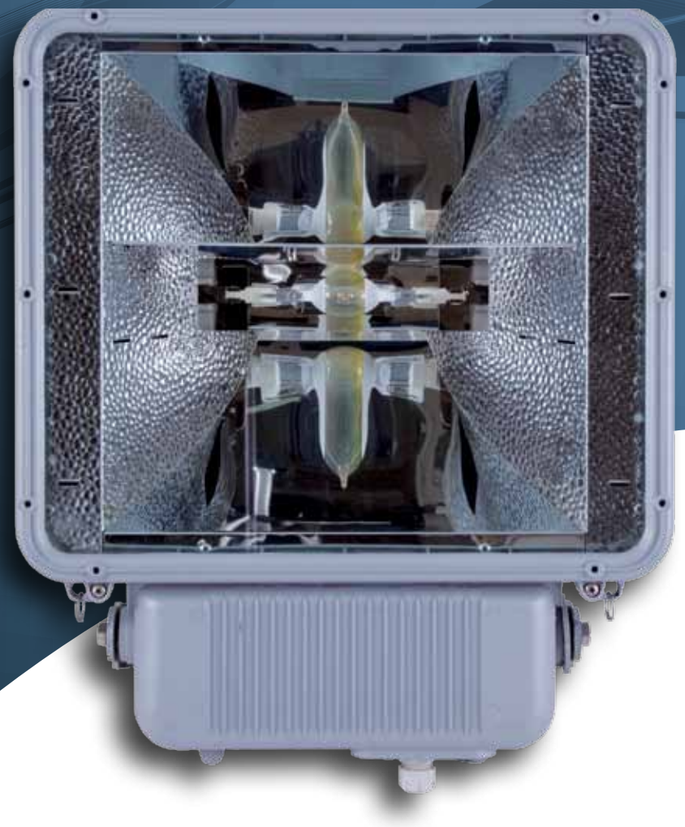
/HIC: High intensity circular

Example order code:
SSP2000Q/HIC – A 2000 watt metal halide floodlight with an IP66 aluminium body, high intensity circular reflector and remote control gear within an IP65 box. Supplied complete with lamp.

SILVER LANCE 1000 IP66

HIGH POWER ALUMINIUM FLOODLIGHT

For general area lighting where higher light levels are needed



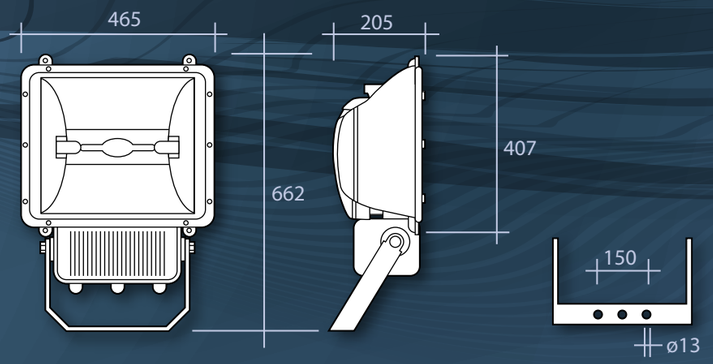
High performance premium quality floodlight with precision optics for 1000 watt metal halide lamps.

/SYN Symmetric narrow beam reflector

/ASN Asymmetric narrow beam reflector

/HIC High intensity circular reflector

Designed and manufactured to comply with EN 60598 and are CE certified.



Lamp Options

QDEL/C: Linear Long Arc Metal Halide with Cable Connection

Product Specification

- Certified ingress protection to IP66
- Choice of asymmetric, symmetric, or high intensity beam to best suit the application
- Metal halide lamp included
- Highly durable die cast aluminium body
- Epoxy powder coated for maximum corrosion resistance (RAL 9006)
- High purity anodised aluminium reflector with a glare control baffle for maximum comfort
- Quality integral control gear for trouble free use
- Wired with high temperature silicone insulated cable for maximum heat resistance
- Easy maintenance with hinge down toughened glass front
- Captive fixings and rugged construction for a long service life
- Adjustable stirrup with aiming facility for precision mounting
- All gaskets are manufactured from heat resistant silicone rubber to ensure the IP66 rating
- For photometry details refer to Page 216 graph ref PC021, PC022 and PC023
- **Windage guide - 0.22m²**

Optional Features

(Add suffix to order code)

/TI: Timed ignitor to prevent lamp cycling

/FTB: Fused terminal block

For fixing brackets see pages 68-69. For further information on these and for column information please speak to the sales team.

Order Codes

Including Lamps

Order Code	*Watt*	*Kg*	*Lamp*
SLA1000Q/*	1000	25.4	QDEL/C

*/ Please note requires a reflector option

Reflector options

(Add suffix to order code)

/ASN: Asymmetric narrow beam

/SYN: Symmetric narrow beam

/HIC: High intensity circular

Example order code:
SLA1000Q/TI/ASN – A 1000 watt metal halide floodlight with an IP66 aluminium body, integral control gear, timed ignitor and asymmetric narrow beam reflector. Supplied complete with lamp.

Applications:

- Football pitches
- Golf driving ranges
- Training grounds
- Stadium lighting
- Security and general access
- Railway marshalling yards
- Lorry parks
- Docks

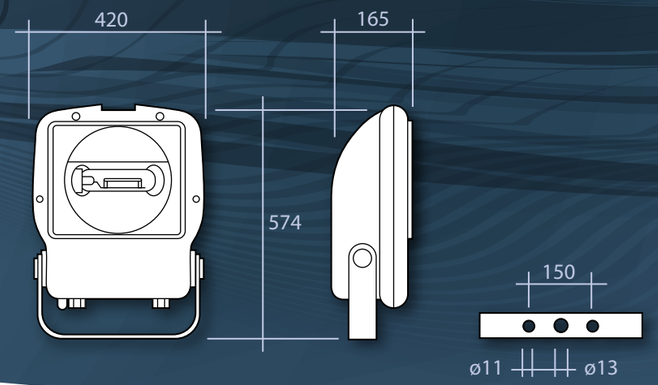
SILVER SABRE 3 IP66

PRECISION ALUMINIUM FLOODLIGHT

For accurate illumination

Precision engineered die cast aluminium premium quality floodlight. Incorporating either 250 or 400 watt high pressure sodium or metal halide lamp, with a choice of six reflector options.

Designed and manufactured to comply with EN 60598-1 and is CE certified.



Lamp Options

S: Tubular High Pressure Sodium

Q: Tubular Metal Halide

/WG Wire Guard

/AGV Glare Control Visor

Applications:

- Architectural features
- Historic buildings
- Churches
- Sports facilities
- Statues

Product Specification

- Certified ingress protection to IP66
- Highly durable die cast aluminium body
- Stylish silver epoxy powder coating for improved corrosion resistance (RAL 9006)
- Choice of narrow or broad asymmetric, narrow, medium or broad symmetric or high intensity beam to best suit the application
- High purity anodised aluminium reflectors for improved efficiency
- High intensity reflector fitted with a glare control baffle for maximum comfort
- Quality integral control gear for trouble free use
- Wired with high temperature silicone insulated cable for maximum heat resistance
- Easy maintenance with hinged toughened front cover
- Captive vandal resistant fixings and rugged construction for a long service life
- Adjustable stirrup with aiming facility for precision mounting
- Quick release clip to release the front cover for speedy lamp replacement
- All gaskets are manufactured from heat resistant silicone rubber to ensure the IP66 rating
- **Windage guide = 0.20m²**

Optional Features

(Add suffix to order code)

/TI: Timed ignitor to prevent lamp cycling

/FTB: Fused terminal block

Optional Accessories

/WG: Wire guard for improved protection

/AGV: Anti-Glare Visor for an improved angle of cut off

/CL: Circular louvre (for use with /HIC)

/PL: Protective louvre

For fixing brackets see pages 68-69. For further information on these and for column information please speak to the sales team.

Order Codes

Including Lamps

Order Code	*Watt*	*Kg*	*Lamp*
SS3250S/*	250	13.4	S
SS3400S/*	400	14.6	S
SS3250Q/*	250	13.4	Q
SS3400Q/*	400	14.6	Q

*/ Please note requires a reflector option

Reflector Options

/ASN: Asymmetric narrow beam

/ASB: Asymmetric broad beam

/SYN: Symmetric narrow beam

/SYM: Symmetric medium beam

/SYB: Symmetric broad beam

/HIC: High intensity circular

Example order code:
SS3250S/TI/SYN – A 250 watt high pressure sodium floodlight with an IP66 aluminium body, integral control gear, timed ignitor and symmetric narrow beam reflector. Supplied complete with lamp.

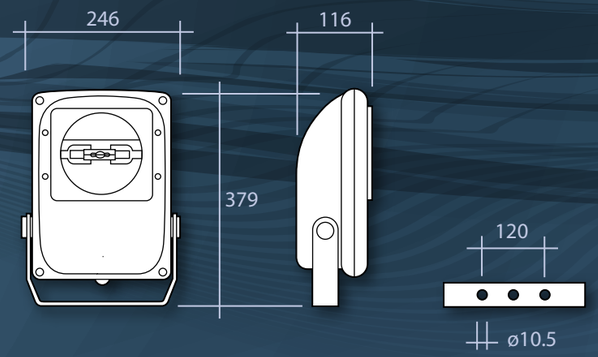
SILVER SABRE 2 IP67

PRECISION ALUMINIUM FLOODLIGHT

For accurate illumination

Precision engineered die cast aluminium premium quality floodlight. Incorporating a 150 watt high pressure sodium or metal halide lamp, with a choice of five reflector options.

Designed and manufactured to comply with EN 60598-1 and is CE certified.



Lamp Options

SDE: Linear High Pressure Sodium

QDE: Linear Metal Halide

/WG Wire Guard

/AGV Glare Control Visor

Applications:

- Architectural features
- Historic buildings
- Churches
- Sports facilities
- Statues

Product Specification

- Certified ingress protection to IP67
- Choice of metal halide or high pressure sodium lamp
- Highly durable die cast aluminium body
- Stylish silver epoxy powder coating for improved corrosion resistance (RAL 9006)
- Choice of narrow or broad asymmetric, narrow or broad symmetric or high intensity beam to best suit the application
- High purity anodised aluminium reflectors for improved efficiency
- High intensity reflector fitted with a glare control baffle for maximum comfort
- Quality integral control gear for trouble free use
- Wired with high temperature silicone insulated cable for maximum heat resistance
- Easy maintenance with hinged toughened front cover
- Captive vandal resistant fixings and rugged construction for a long service life
- Adjustable stirrup with aiming facility for precision mounting
- All gaskets are manufactured from heat resistant silicone rubber to ensure the IP67 rating
- **Windage guide = 0.08m²**

Optional Features

(Add suffix to order code)

/TI: Timed ignitor to prevent lamp cycling

/FTB: Fused terminal block

Optional Accessories

/WG: Wire guard for improved protection

/AGV: Anti-Glare Visor for an improved angle of cut off

/CL: Circular louvre (for use with /HIC)

/PL: Protective louvre

For fixing brackets see pages 68-69. For further information on these and for column information please speak to the sales team.

Order Codes

Including Lamps

Order Code	*Watt*	*Kg*	*Lamp*
SS2150S/*	150	5.6	SDE
SS2150Q/*	150	5.6	QDE

*/ Please note requires a reflector option

Reflector Options

/ASN: Asymmetric narrow beam

/ASB: Asymmetric broad beam

/SYN: Symmetric narrow beam

/SYB: Symmetric broad beam

/HIC: High intensity circular

Example order code:
SS2150S/TI/ASB – A 150 watt high pressure sodium floodlight with an IP67 aluminium body, integral control gear, timed ignitor and asymmetric broad beam reflector. Supplied complete with lamp.

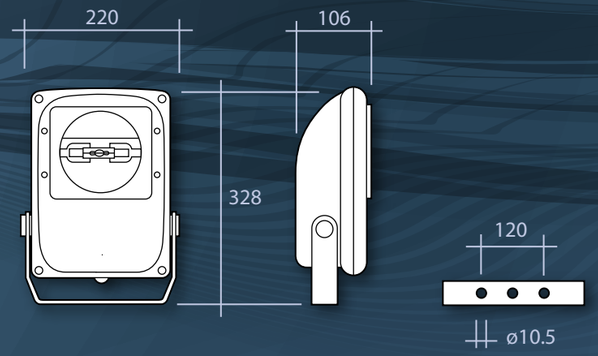
SILVER SABRE 1 IP67

PRECISION ALUMINIUM FLOODLIGHT

For accurate illumination

Precision engineered die cast aluminium premium quality floodlight. Incorporating a 70 watt high pressure sodium or metal halide lamp, with a choice of five reflector options.

Designed and manufactured to comply with EN 60598-1 and is CE certified.



Lamp Options

SDE: Linear High Pressure Sodium

QDE: Linear Metal Halide

/**WG** Wire Guard

/**AGV** Glare Control Visor

Applications:

- Architectural features
- Historic buildings
- Churches
- Sports facilities
- Statues

Product Specification

- Certified ingress protection to IP67
- Choice of metal halide or high pressure sodium lamp
- Highly durable die cast aluminium body
- Stylish silver epoxy powder coating for improved corrosion resistance (RAL 9006)
- Choice of narrow or broad asymmetric, narrow or broad symmetric or high intensity beam to best suit the application
- High purity anodised aluminium reflectors for improved efficiency
- High intensity reflector fitted with a glare control baffle for maximum comfort
- Quality integral control gear for trouble free use
- Wired with high temperature silicone insulated cable for maximum heat resistance
- Easy maintenance with hinged toughened front cover
- Captive vandal resistant fixings and rugged construction for a long service life
- Adjustable stirrup with aiming facility for precision mounting
- All gaskets are manufactured from heat resistant silicone rubber to ensure the IP67 rating
- **Windage guide = 0.06m²**

Optional Features

(Add suffix to order code)

/TI: Timed ignitor to prevent lamp cycling

/FTB: Fused terminal block

Optional Accessories

/WG: Wire guard for improved protection

/AGV: Anti-Glare Visor for an improved angle of cut off

/CL: Circular louvre (for use with /HIC)

/PL: Protective louvre

For fixing brackets see pages 68-69. For further information on these and for column information please speak to the sales team.

Order Codes

Including Lamps

Order Code	*Watt*	*Kg*	*Lamp*
SS170S/*	70	4.1	SDE
SS170Q/*	70	4.1	QDE

*/ Please note requires a reflector option

Reflector Options

/ASN: Asymmetric narrow beam

/ASB: Asymmetric broad beam

/SYN: Symmetric narrow beam

/SYB: Symmetric broad beam

/HIC: High intensity circular

Example order code:
SS170Q/TI/ASN – A 70 watt metal halide floodlight with an IP67 aluminium body, integral control gear, timed ignitor and asymmetric narrow beam reflector. Supplied complete with lamp.

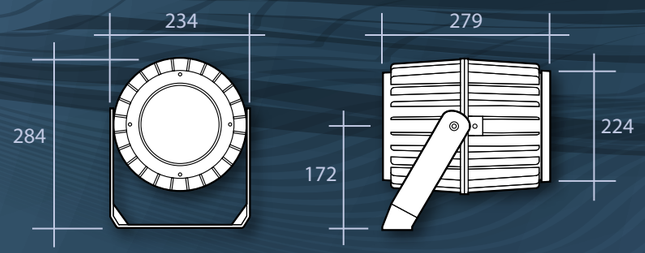
VERSA®

PRECISION ALUMINIUM FLOODLIGHT

For accurate illumination

Precision engineered die cast aluminium premium quality floodlight. Incorporating a 35, 70 or 150 watt metal halide lamp.

Designed and manufactured to comply with EN 60598 and are CE certified.



Lamp Options

QSE: Single Ended G12

Applications:

- Architectural features
- Historic buildings
- Churches
- Statues

Product Specification

- Certified ingress protection to IP66
- The body and frame are made of high quality die-cast aluminium alloy and powder coated in corrosion resistant polyester to RAL 9007 and applied over a chromate conversion coating for an extended service life
- Pre-wired control gear is incorporated on a single piece gear tray for ease of installation and maintenance
- Thermally toughened 4mm flat front glass
- The reflector is made of high purity aluminium for an enhanced performance
- All fixings are corrosion resistant stainless steel to AISI 304
- Internal gaskets are made of antiageing, tropicalised and weather resistant silicon rubber so ensuring trouble free use - this IP65 luminaire is highly durable and resistant to water and powder ingress
- Mounting is via a galvanised steel bracket with three Ø11mm fixing holes, powder coated in corrosion resistant polyester to RAL 9007
- Cable entry is via an IP65 Pg 11 cable gland
- For photometry details refer to Page 216 graph ref PC024 and PC025

Order Codes

Including Lamps

Order Code	*Watt*	*Kg*	*Lamp*
VER35Q	35	5.75	QSE
VER70Q	70	5.75	QSE
VER150Q	150	6.55	QSE

Example order code:
VER150Q – A 150 watt metal halide floodlight with an IP66 cast aluminium body and integral control gear. Supplied complete with lamp.

Solent/Mars Anti-Glare Louvre
Part number: WFL/AGL

For accurate control of beam performance or to control light spillage in sensitive applications. Available as a kit for self assembly, fixes directly to the drop down front frame of the floodlight. (white upon special order)

Spare Glass: WFL/GLASS

Solent/Mars Anti-Glare Visor
Part number: WFL/AGV

Reduces light spillage in sensitive applications. Available as a kit for self assembly, fixes directly to the drop down front frame of the floodlight. (white upon special order)

Spare Glass: WFL/GLASS

Solent/Mars Wire Guard
number: WFL/WG

For improved vandal resistance. Fixes directly to the drop down front frame of the floodlight. (white upon special order)

Spare Glass: WFL/GLASS

Solent 1 Wire Guard
Part number: WFL/WG/SOL1

For improved vandal resistance. Fixes directly to the drop down front frame of the floodlight.

Spare Glass: WFL/GLASS/SOL1

Hamble Wire Guard
Part number: WFL/WG/HAM

For improved vandal resistance. Fixes directly to the front of the floodlight.

Spare Glass: WFL/GLASS/HAM

Roma Wire Guard
Part number: WFL/WG/ROMA

For improved vandal resistance. Fixes directly to the front of the floodlight.

Spare Glass: WFL/GLASS/ROMA

1 Wall Mounting Bracket for 70/150 watt Floodlight
Part Number: FLBK70/150

- Extra heavy duty – weight 1.6kg
- Corrosion resistant bright zinc plated
- 240 degrees of adjustment
- 140mm stand off
- **Mounting plate 130mm x 160mm x 4mm thick**

2 Corner Mounting Bracket for 70/150 watt Floodlight
Part Number: FLBK70/150/CR

- Extra heavy duty – weight 1.8kg
- Corrosion resistant bright zinc plated
- 240 degrees of adjustment
- 160mm stand off
- Mounting plate 95mm x 160mm (from centre) x 4mm thick

3 Stand Off Wall Mounting Bracket for 70/150 watt Floodlight
Part Number: FLBK70/150/SO

- Extra heavy duty – weight 2.2kg
- Corrosion resistant bright zinc plated
- 240 degrees of adjustment
- 400mm stand off
- Mounting plate 130mm x 160mm x 4mm thick

4 Wall Mounting Bracket for 250/400 watt Floodlight
Part Number: FLBK250/400

- Extra heavy duty – weight 3kg
- Corrosion resistant bright zinc plated
- 360 degrees of adjustment when used with FLSP60
- 300mm stand off
- 60mm spigot
- Mounting plate 200mm x 200mm x 4mm thick

(Special note: Requires FLSP60)

5 Corner Mounting Bracket for 250/400 watt Floodlight
Part Number: FLBK250/400/CR

- Extra heavy duty – weight 4kg
- Corrosion resistant bright zinc plated
- 360 degrees of adjustment when used with FLSP60
- 300mm stand off
- 60mm spigot
- Mounting plate 160mm x 200mm (from centre) x 4mm thick

(Special note: Requires FLSP60)

6 60mm ID Spigot Cap
Part Number: FLSP60

- Extra heavy duty – weight 1.2kg
- Corrosion resistant bright zinc plated
- Pre-drilled for 70/150/250/400 watt floodlights

7 76mm ID Spigot Cap
Part Number: FLSP76

- Extra heavy duty – weight 2kg
- Corrosion resistant bright zinc plated
- Pre-drilled for 70/150/250/400 watt floodlights

8 48mm Horizontal Pole Clamp
Part Number: FLBK/PC

- Extra heavy duty – weight 0.3kg
- Corrosion resistant electro zinc plated
- Pre-drilled for 70/150/250/400 watt floodlights
- Two required per fitting

Industrial Lighting

Rugged construction, quality sub-components and high efficiency discharge lamps ensure a long and cost effective service life in the most demanding industrial and commercial environments.

ECHO IP20
Pages 72-73

ECHO ULL IP20
Pages 74-75

ROMSEY REFLECTOR IP20
Pages 76-77

ROMSEY REFRACTOR IP20
Pages 78-79

LUNAR IP65
Pages 80-81

LUNIS IP20
Pages 82-83

SILVER COMFORT IP66
Pages 84-85

POLAR HIGH POWER IP20
Pages 86-87

POLAR PROFESSIONAL IP20
Pages 88-89

PURLIEUS IP65
Pages 90-91

HIGH BAY & LOW BAY ACCESSORIES
Pages 92-93

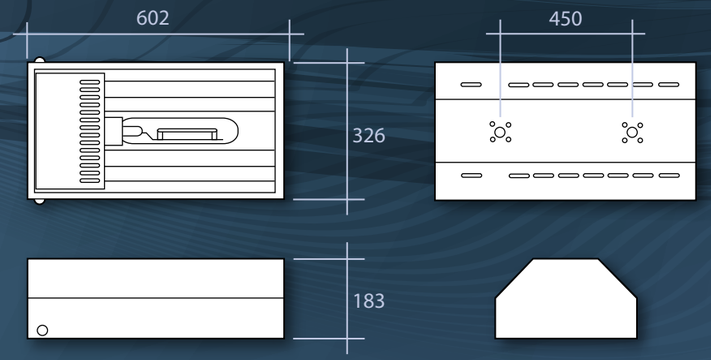
ECHO IP20

LOW BAY

For general, industrial and commercial application

A low bay luminaire suitable for commercial and industrial applications. Designed for easy installation and maintenance.

Designed and manufactured to comply with EN 60598 and is CE certified.



Lamp Options

S: Tubular High Pressure Sodium

Q: Tubular Metal Halide

Applications:

- Warehousing
- High rack storage facilities
- Manufacturing plants
- Car maintenance workshops
- Internal sports facilities
- Retail super stores

Product Specification

- Certified ingress protection to IP20
- Best performance when mounted between 3-7m
- Constructed from mild steel
- Resilient white finish
- HQI version fitted with glass as standard
- Choice of chain suspension points and Besa fixings

Optional Features

(Add suffix to order code)

/TI: Timed ignitor to prevent lamp cycling

/FTB: Fused terminal block

/AUX: Auxiliary lamp option, a 150 watt equivalent, tungsten halogen lamp is lit whilst the HID lamp warms up to full output, then a sensor turns the auxiliary lamp off. Particularly useful if power is unintentionally interrupted.

Optional Accessories

ECLB/GLASS: Echo glass front cover

ECLB/LOUVRE: Echo glare control louvre

ECLB/WG: Echo wire guard

ECLB/WG/GLASS: Echo wire guard (for use with front glass)

/CP: Echo ceiling plate fixing with mains supply plug and socket, this enables quick and easy installation/removal of the luminaire (fixing centres 180mm)

ECLB/RACKREF: Echo rack reflector

ECLB/DIFF: Echo polycarbonate drop dish

For a description and image of these accessories please see page 92

Order Codes

Including Lamps

Order Code	*Watt*	*L*	*A*	*Kg*	*Lamp*
ECLB150S	150	602	450	6.0	S
ECLB250S	250	602	450	7.8	S
ECLB400S	400	602	450	7.8	S
ECLB150Q	150	602	450	6.0	Q
ECLB250Q	250	602	450	7.8	Q
ECLB400Q	400	602	450	7.8	Q

Example order code:
ECLB400Q – A 400 watt low bay metal halide luminaire with glass front cover. Supplied complete with lamp.

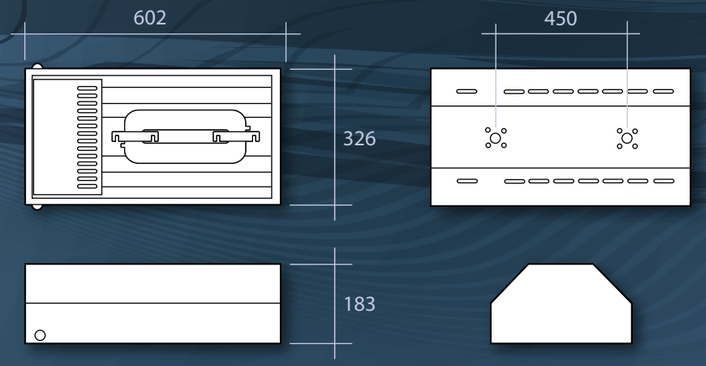
ECHO ULL IP20

UTRA LONG LIFE LOW BAY

For general, industrial and commercial application

High efficiency low bay luminaire incorporating either a 100 or 150 watt Osram Endura induction lamp with Quicktronic control gear. A very wide range of accessories are available to offer solutions for demanding applications.

Designed and manufactured to comply with EN 60598 and are CE certified.



Lamp Options

END: Endura

Product Specification

- Certified ingress protection to IP20
- Massive 60,000 hours lamp life guaranteed
- Flicker free instant start
- Hot re-strike
- Light weight high efficiency electronic control gear
- High purity anodised aluminium specular reflector for maximum efficiency
- Supplied with easy fix back plate with plug and socket power connection
- Heavy grade epoxy powder coated corrosion resistant body
- For photometry details refer to Page 216 graph ref PC026

Optional Features

(Add suffix to order code)

/TI: Timed ignitor to prevent lamp cycling

/FTB: Fused terminal block

/AUX: Auxiliary lamp option, a 150 watt equivalent, tungsten halogen lamp is lit whilst the HID lamp warms up to full output, then a sensor turns the auxiliary lamp off. Particularly useful if power is unintentionally interrupted.

Optional Accessories

ECLB/GLASS: Echo glass front cover

ECLB/LOUVRE: Echo glare control louvre

ECLB/WG: Echo wire guard

ECLB/WG/GLASS: Echo wire guard (for use with front glass)

/CP: Echo ceiling plate fixing with mains supply plug and socket, this enables quick and easy installation/removal of the luminaire (fixing centres 180mm)

ECLB/RACKREF: Echo rack reflector

ECLB/DIFF: Echo polycarbonate drop dish

For a description and image of these accessories please see page 92

Order Codes

Including Lamps

Order Code	*Watt*	*Kg*	*Lamp*
ECLB100END	100	6.0	END
ECLB150END	150	7.5	END

Example order code:
ECLB150END/ECLB/DIFF – A 150 watt low bay luminaire with an impact resistant polycarbonate drop dish diffuser. Supplied complete with lamp.

Applications:

- Automated 24 hour factory environments
- Installations with limited provision for maintenance or access
- Remote locations

wirefield

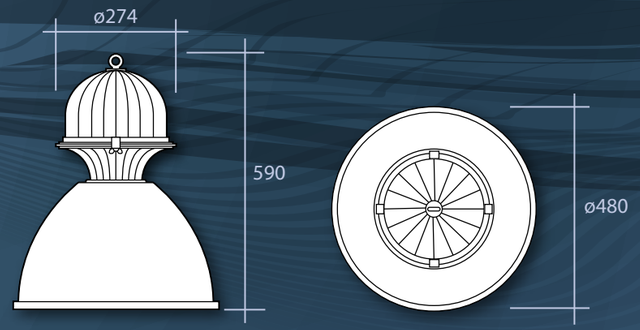
ROMSEY REFLECTOR IP20

HIGH BAY

For general industrial and commercial application

High efficiency high bay luminaire incorporating either metal halide or high pressure sodium lamp with power ratings ranging from 150 to 400 watts. A wide range of accessories are available to offer solutions for demanding applications.

Designed and manufactured to comply with EN 60598 and is CE certified.



Lamp Options

S: Elliptical Diffuse High Pressure Sodium

Q: Elliptical Diffuse Metal Halide

Applications:

- Warehousing
- Manufacturing plants
- Aircraft hangers
- Internal sports facilities
- Retail super stores and precincts

Product Specification

- Certified ingress protection to IP20
- Metal halide versions supplied with toughened front glass for added safety
- Supplied as standard with timed ignitor to prevent lamp cycling
- Choice of metal halide or high pressure sodium lamp included
- Corrosion resistant epoxy powder coated aluminium body
- Gear tray easily removed for trouble free installation and c/w wiring gland
- Quality sub components for extended service life
- Wired with high temperature silicone insulated cable for maximum heat resistance
- High purity machine spun aluminium reflector for maximum efficiency
- Can be used with Sylvania twin arc high pressure sodium lamps for extended life
- For photometry details refer to Page 216 graph ref PC027

Optional Features

(Add suffix to order code)

/FTB: Fused terminal block

Optional Accessories

/AUX: Auxiliary lamp option, a 150 watt equivalent, tungsten halogen lamp is lit whilst the HID lamp warms up to full output, then a sensor turns the auxiliary lamp off. Particularly useful if power is unintentionally interrupted.

/GLASS: Glass front cover (supplied as standard with metal halide lamps)

/WG: Protective wire guard

For a description and image of these accessories please see page 93

Also available with Motion and Daylight sensors

Order Codes

Including Lamps

Order Code	*Watt*	*Kg*	*Lamp*
CHB150S	150	6.5	S
CHB250S	250	8.2	S
CHB400S	400	9.3	S
CHB250Q	250	9.1	Q
CHB400Q	400	10.2	Q

Example order code:
CHB250S/FTB – A 250 watt high pressure sodium high bay luminaire with an aluminium reflector and fitted with a fused terminal block. Supplied complete with lamp.

wirefield

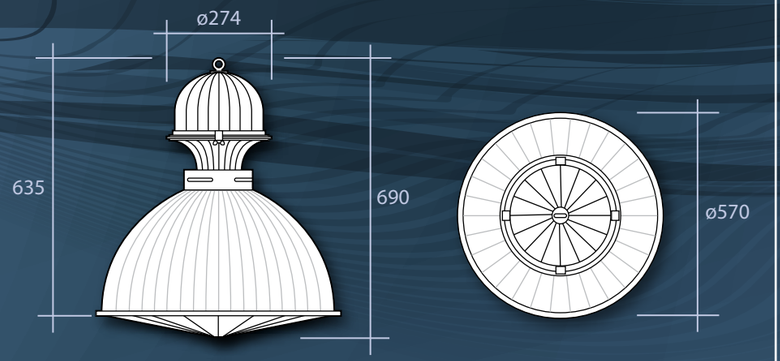
ROMSEY REFRACTOR IP20

HIGH BAY

For general industrial, retail and commercial application

High efficiency high bay luminaire giving direct/indirect illumination incorporating either protected metal halide or high pressure sodium lamp with power ratings ranging from 150 to 400 watts.

Designed and manufactured to comply with EN 60598 and are CE certified.



Lamp Options

S: Elliptical Diffuse High Pressure Sodium

QP: Elliptical Diffuse protected Metal Halide

Product Specification

- Certified ingress protection to IP20
- Supplied as standard with timed ignitor to prevent lamp cycling
- Choice of protected metal halide or high pressure sodium lamp included
- Corrosion resistant epoxy powder coated aluminium body
- Gear tray easily removed for trouble free installation and c/w wiring gland
- Quality sub components for extended service life
- Wired with high temperature silicone insulated cable for maximum heat resistance
- UV stabilised impact resistant polycarbonate diffuser
- Metal halide versions supplied with protected lamps
- Can be used with Sylvania twin arc high pressure sodium lamps for extended life
- For photometry details refer to Page 217 graph ref PC028

Optional Features

(Add suffix to order code)

/FTB: Fused terminal block

Optional Accessories

/CHBCD: Conical polycarbonate diffuser and sprung steel fixing ring

/GLASS: Glass front cover (supplied as standard with metal halide lamps)

/WG: Protective wire guard

For a description and image of these accessories please see page 93

Order Codes

Including Lamps

Order Code	*Watt*	*Kg*	*Lamp*
PCHB150S	150	7.5	S
PCHB250S	250	9.4	S
PCHB400S	400	10.5	S
PCHB250QP	250	8.3	QP
PCHB400QP	400	10.6	QP

Example order code:
PCHB400QP/CHBCD – A 400 watt metal halide high bay luminaire with a conical polycarbonate diffuser and glass front cover. Supplied complete with lamp.

Applications:

- Retail super stores
- Internal sports facilities
- Atriums
- Shopping centres

Also available with Motion and Daylight sensors

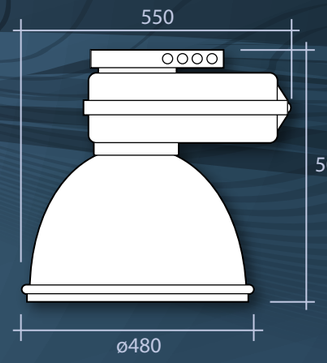
LUNAR IP65

WEATHERPROOF HIGH BAY

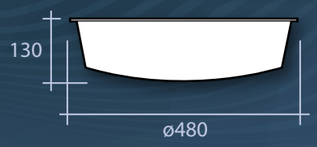
For harsh industrial and commercial environments

High efficiency IP65 high bay luminaire incorporating either metal halide or high pressure sodium lamp with power ratings from 150 to 400 watts.

Designed and manufactured to comply with EN 60598 and are CE certified.



/DIFF: Drop dish polycarbonate diffuser



Lamp Options

S: Elliptical Diffuse High Pressure Sodium

Q: Elliptical Diffuse Metal Halide

Product Specification

- Certified ingress protection to IP65
- Supplied as standard with timed ignitor to prevent lamp cycling
- Choice of metal halide or high pressure sodium lamp included
- Rugged corrosion resistant die cast aluminium gear box
- High purity machine spun anodised aluminium reflector to maximise efficiency
- All gaskets are manufactured from heat resistant silicone rubber to ensure IP65 rating
- Quality sub components for a long service life
- Wired with high temperature silicone insulated cable for maximum heat resistance
- Toughened front glass for added safety
- Can be used with Sylvania twin arc high pressure sodium lamps for extended life
- For photometry details refer to Page 217 graph ref PC029

Optional Features

(Add suffix to order code)

/FTB: Fused terminal block

Optional Accessories

/AUX: Auxiliary lamp option, a 150 watt equivalent, tungsten halogen lamp is lit whilst the HID lamp warms up to full output, then a sensor turns the auxiliary lamp off. Particularly useful if power is unintentionally interrupted.

/WG: Protective wire guard

/DIFF: Drop dish polycarbonate diffuser

For a description and image of these accessories please see page 93

Order Codes

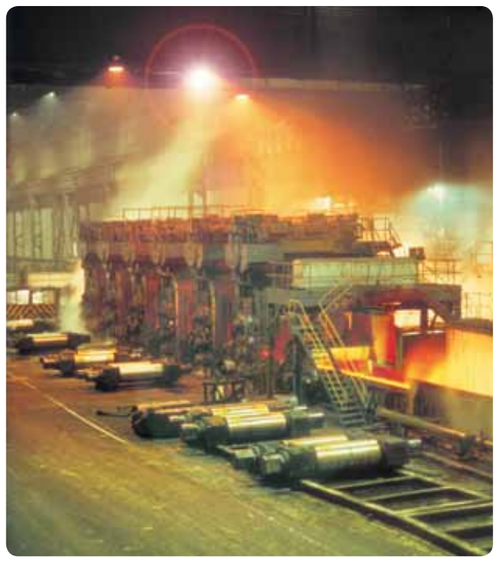
Including Lamps

Order Code	*Watt*	*Kg*	*Lamp*
WHB150S	150	10.3	S
WHB250S	250	10.4	S
WHB400S	400	12.5	S
WHB250Q	250	10.4	Q
WHB400Q	400	12.5	Q

Example order code:
WHB400S/FTB – A 400 watt high pressure sodium IP65 high bay luminaire fitted with a fused terminal block, spun aluminium reflector and protective front glass. Supplied complete with lamp.

Applications:

- Cold stores
- Timber mills
- Semi exposed storage areas
- Wet or dirty manufacturing areas
- Loading bay canopies



LUNIS IP20

MINI HIGH BAY

For decorative commercial and retail application

High efficiency, stylish compact high bay luminaire, incorporating either metal halide or high pressure sodium lamp with power ratings ranging from 42 to 150 watts.

1 2

Available in two versions:

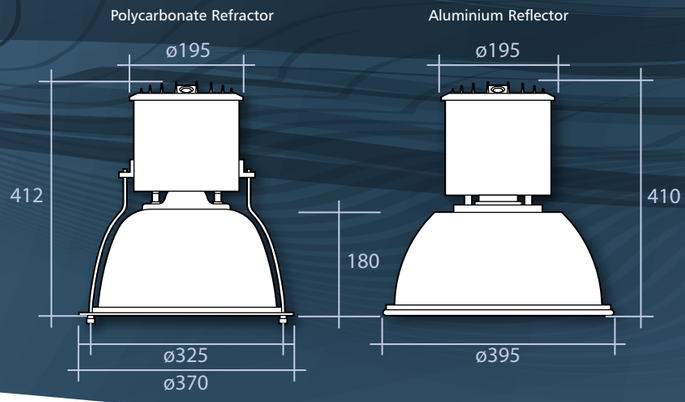
1. Stylish polycarbonate refractor with protective glass.

2. High purity machine spun anodised aluminium reflector.

Applications:

- Reception areas
- Atriums
- Shopping centres
- Lower level commercial installations
- Retail stores

Designed and manufactured to comply with EN 60598 and are CE certified.



Product Specification

- Certified ingress protection to IP20
- Supplied as standard with timed ignitor to prevent lamp cycling
- Choice of metal halide, compact fluorescent or high pressure sodium lamp included
- Eye catching stylish design
- Choice of either polycarbonate refractor with protective glass or aluminium reflector
- Special drop down gear tray aids speedy installation and maintenance
- Quality sub components for a long service life

Optional Features

(Add suffix to order code)

/FTB: Fused terminal block

Optional Accessories

/WG: Protective wire guard

/GLASS: Toughened front glass (standard with polycarbonate refractor)

For a description and image of these accessories please see page 93

Lamp Options

QP: Elliptical Metal Halide – Protected

SI/SE: Elliptical Diffuse High Pressure Sodium
SI = Internal Ignitor SE = External Ignitor

TC-T: Compact Fluorescent

Order Codes

Including Lamps

Polycarbonate with protective glass

Order Code	*Watt*	*Kg*	*Lamp*
LUN142PL/PRIS	42	5.7	TC-T
LUN70S/PRIS	70	6.7	SI
LUN70QP/PRIS	70	6.7	QP
LUN150QP/PRIS	150	7.9	QP

Aluminium Reflector

Order Code	*Watt*	*Kg*	*Type*
LUN142PL/ALL	42	5.0	TC-T
LUN70S/ALL	70	6.0	SI
LUN70QP/ALL	70	6.0	QP
LUN150QP/ALL	150	7.2	QP

Example order code:
LUN150QP/PRIS/FTB – A 150 watt metal halide compact high bay luminaire fitted with a fused terminal block, polycarbonate refractor and protective glass. Supplied complete with lamp.

wirefield

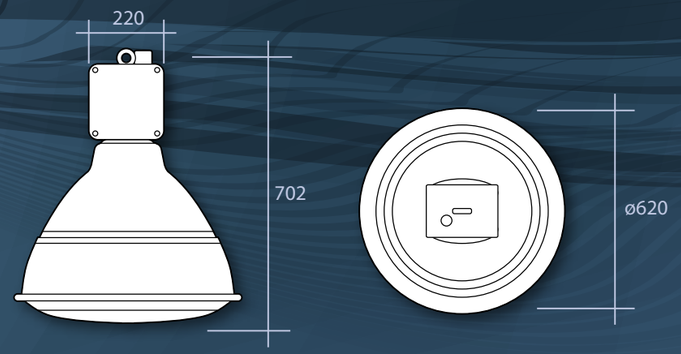
SILVER COMFORT IP66

ARCHITECTURAL HIGH BAY

For specialised retail and industrial application

A very durable premium quality attractive range of precision high bay luminaires incorporating either 250 or 400 watt metal halide or high pressure sodium discharge lamps.

Designed and manufactured to comply with EN 60598 and are CE certified.



Lamp Options

S: Tubular High Pressure Sodium

QP: Elliptical Metal Halide - Protected

Available in two versions:

1. Stylish polycarbonate refractor (PREF).

2. Part high purity aluminium reflector with a polycarbonate refractor skirt (SREF).

Applications:

- Internal sports facilities
- Retail super stores
- Food preparation areas
- Warehousing
- Manufacturing plants
- Atriums
- Large public buildings
- Museums

Product Specification

- Certified ingress protection to IP66
- Attractive rounded and balanced design
- Conical polycarbonate diffusser
- Choice of metal halide or high pressure sodium lamp included
- Choice of two optics:
  1. Full UV stabilised polycarbonate refractor
  2. Part high purity aluminium reflector with UV stabilised polycarbonate refractor skirt
- Wired with high temperature silicone insulated cable for maximum heat resistance
- Quality sub components used for an extended service life
- Can be used with Sylvania twin arc high pressure sodium lamps for extended life
- Choice of four lamp positions to suit varying applications
- Body colour RAL 9006
- For photometry details refer to Page 217 graph ref PC030 and PC031

Optional Features

(Add suffix to order code)

/TI: Timed ignitor to prevent lamp cycling

/FTB: Fused terminal block

Optional Accessories

/SREF: Part aluminium reflector with polycarbonate refractor skirt

/PREF: Polycarbonate refractor

Order Codes

Including Lamps

Order Code	*Watt*	*Kg*	*Lamp*
SCO250S/CD*	250	8.5	S
SCO400S/CD*	400	9.5	S
SCO250QP/CD*	250	8.5	QP
SCO400QP/CD*	400	9.5	QP

* please note requires a refractor option

Example order code:
SCO400QP/CD/TI/SREF – A 400 watt metal halide IP66 high bay luminaire fitted with a timed ignitor, spun aluminium reflector with polycarbonate refractor skirt and conical polycarbonate diffuser. Supplied complete with lamp.

wirefield

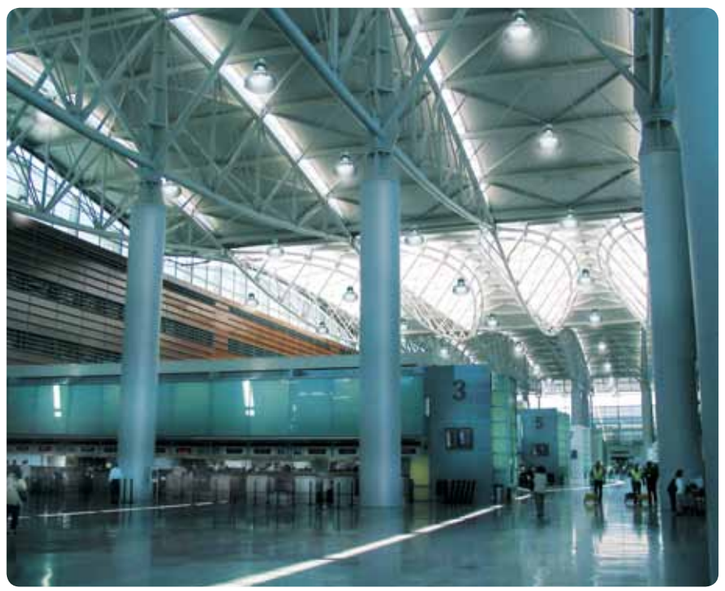
POLAR HIGH POWER IP20

HIGH BAY

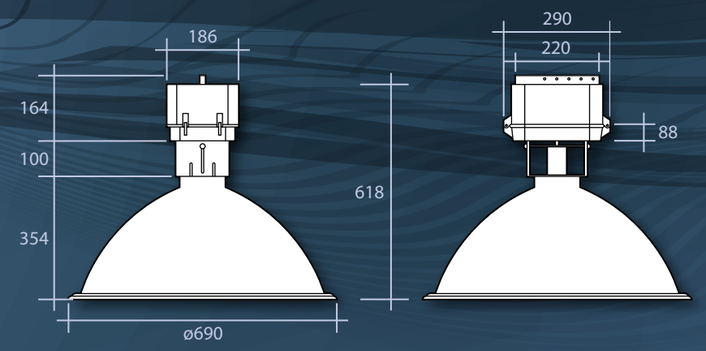
For large scale industrial and commercial application

High power high bay luminaire incorporating either a metal halide or high pressure sodium discharge lamp with power ratings ranging from 600 to 1000 watts.

Pictured with toughened front glass



Designed and manufactured to comply with EN 60598 and are CE certified.



Lamp Options

S: Tubular High Pressure Sodium

Q: Tubular Metal Halide

Product Specification

- Certified ingress protection to IP20
- Choice of metal halide or high pressure sodium lamp included
- 600 watt sodium version has integral control gear for single part installation
- 1000 watt versions have a separate gear box which can be mounted up to 30 metres from the luminaire – this reduces the weight on the luminaire suspension
- Timed ignitor to prevent lamp cycling
- Self cleaning reflector design for extended service intervals
- High purity machine spun anodised aluminium reflector to maximise efficiency
- Quality sub components give a very long service life
- Wired with high temperature silicone insulated cable and porcelain terminal blocks for maximum heat resistance
- Metal halide versions supplied with toughened glass cover
- For photometry details refer to Page 217 graph ref PC032

Optional Accessories

/GLASS: Toughened front glass

/AUX: Auxiliary lamp option, a 150 watt equivalent, tungsten halogen lamp is lit whilst the HID lamp warms up to full output, then a sensor turns the auxiliary lamp off. Particularly useful if power is unintentionally interrupted.

IP65 Control Gear Box

Remote mounting cast aluminium IP65 control gearbox for 1000 watt only.

- Size – 255mm x 185mm x 165mm
- Fixing centres – 230mm x 170mm
- Weight – 12.10Kg

For a description and image of these accessories please see page 93

Order Codes

Including Lamps

Order Code	*Watt*	*Kg*	*Lamp*
HBL600S	600	15.5	S
HBL1000S	1000	7.5	S
HBL600S	600	15.5	Q
HBL1000Q	1000	9.5	Q

Example order code:
HBL1000S/GLASS – A 1000 watt high pressure sodium high bay luminaire with spun aluminium reflector and toughened glass front cover. Supplied complete with lamp.

Applications:

- Warehousing
- Industrial areas with high ceilings
- Aircraft hangers

POLAR PROFESSIONAL IP20

HIGH BAY

For general industrial and commercial application

High performance and efficiency easy maintenance high bay luminaire incorporating either metal halide, high pressure sodium, or mercury discharge lamps with power ratings from 150 to 400 watts. A wide range of accessories are available to offer solutions for demanding applications.

Available in two versions:

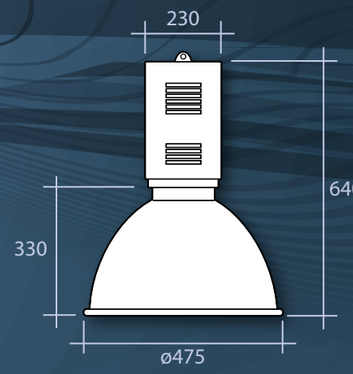
1. High purity machine spun anodised aluminium reflector.

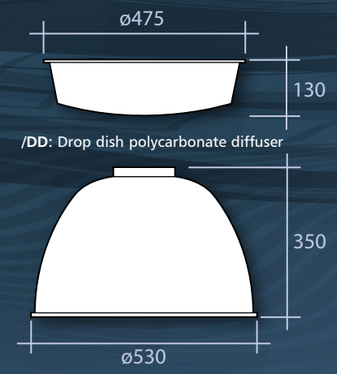
2. Stylish polycarbonate refractor.

Applications:

- Warehousing
- Manufacturing plants
- Aircraft hangers
- Internal sports facilities
- Retail super stores

Designed and manufactured to comply with EN 60598 and are CE certified.





/DD: Drop dish polycarbonate diffuser

/PRIS: Polycarbonate refractor

Lamp Options

S: Tubular High Pressure Sodium

Q: Tubular Metal Halide

M: Elliptical Diffuse Mercury

Special note: Elliptical Metal Halide - Protected lamps must be used with the drop dish polycarbonate diffuser and polycarbonate refractor.

Product Specification

- Certified ingress protection to IP20
- Drop down polycarbonate access panels for ease of installation and maintenance
- Self cleaning reflector design for extended service intervals
- High purity machine spun anodised aluminium reflector to maximise efficiency
- Specially designed removable gear tray with quality sub components give a very long service life and easy maintenance
- Wired with high temperature silicone insulated cable for maximum heat resistance
- Metal halide versions supplied with toughened front glass for added safety
- Can be used with Sylvania twin arc high pressure sodium lamps for extended life
- For photometry details refer to Page 217 graph ref PC033

Optional Features

(Add suffix to order code)

/TI: Timed ignitor to prevent lamp cycling

/FTB: Fused terminal block

Optional Accessories

/PRIS: Polycarbonate refractor (Metal halide use QP lamp)

/GLASS: Toughened front glass (for use with aluminium reflector)

/DD: Drop dish polycarbonate diffuser - weight 1.2Kg (for use with aluminium reflector)

/WG: Protective wire guard (for use with aluminium reflector)

/AUX: Auxiliary lamp option, a 150 watt equivalent, tungsten halogen lamp is lit whilst the HID lamp warms up to full output, then a sensor turns the auxiliary lamp off. Particularly useful if power is unintentionally interrupted.

For a description and image of these accessories please see page 93

Order Codes

Including Lamps

Order Code	*Watt*	*Kg*	*Lamp*
HB150S	150	7.3	S
HB250S	250	8.1	S
HB400S	400	9.7	S
HB250Q	250	7.9	Q
HB400Q	400	10.1	Q
HB250M	250	7.4	M
HB400M	400	8.3	M

Example order code:
HB400S/TI/DD – A 400 watt high pressure sodium high bay luminaire fitted with a timed ignitor, spun aluminium reflector and polycarbonate drop dish diffuser. Supplied complete with lamp.

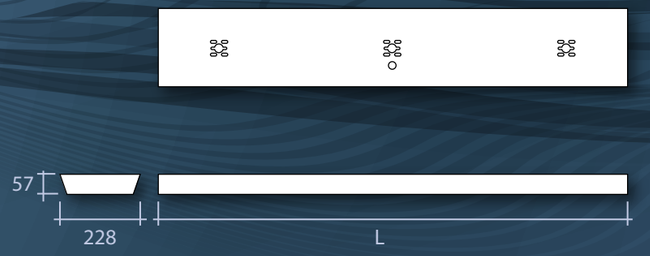
wirefield

PURLIEUS IP65

SURFACE MOUNTED FLUORESCENT LUMINAIRE
For industrial and retail application

A linear vandal resistant IP65 surface mounted luminaire ideal for internal and external applications, particulary in onerous environments prone to vandalism.

Designed and manufactured to comply with EN 60598 and are CE certified.



Lamp Options

T5: 16mm Fluorescent Tubes

Product Specification

- Certified ingress protection to IP65
- Heavy gauge seam welded body
- Flat prismatic diffuser as standard
- Stainless steel vandal resistant screws
- High frequency control gear
- Colour 840 T5 lamps

Order Codes

Including Lamps

T5 Tube

Order Code	*Watt*	*L*	*Lamp*
PUR14/HF/840	**1 x 14**	**750**	**T5**
PUR28/HF/840	**1 x 28**	**1352**	**T5**
PUR35/HF/840	**1 x 35**	**1652**	**T5**
PUR49/HF/840	**1 x 49**	**1652**	**T5**
PUR54/HF/840	**1 x 54**	**1352**	**T5**
PUR214/HF/840	**2 x 14**	**750**	**T5**
PUR228/HF/840	**2 x 28**	**1352**	**T5**
PUR235/HF/840	**2 x 35**	**1652**	**T5**
PUR249/HF/840	**2 x 49**	**1652**	**T5**
PUR54/HF/840	**2 x 54**	**1652**	**T5**

Example order code:
PUR235/HF/840 – A Purlieus 2 X 35 watt high frequency col 840 IP65 luminaire. Supplied complete with lamps.

Applications:

- Police Cells
- Police Stations
- Prisons
- Subways
- Walkways

Gear options

/S: Retractive Switch Dimming
/D: DSI Digital Dimming

/E3: 3hr Emergency
/E3T: Self Test Emergency

Echo Glass Front Cover

Part number: ECLB/GLASS

Toughened glass safety cover, standard feature with metal halide luminaires.

Echo Glare Control Louvre

Part number: ECLB/LOUVRE

Glare control louvre finished in white, may be used in combination with the glass front cover.

Echo Wire Guard

Part number: ECLB/WG

Wire guard to protect lamp against impact. This cannot be used in combination with the glass front cover Please refer to ECLB/WG/GLASS.

Echo Wire Guard (for use with front glass)

Part number: ECLB/WG/GLASS

Wire guard to protect lamp and glass cover against impact.

Echo Rack Reflector

Part number: ECLB/RACKREF

Rack reflector for improved illuminance on the vertical plane in a high rack storage environment.

Echo Polycarbonate Drop Dish Diffuser

Part number: ECLB/DIFF

UV stabilised impact resistant polycarbonate drop dish diffuser, may be used in combination with the glass front cover. (Adds 85mm to height of fitting)

Not recommended for use with metal halide lamps without the glass front cover in place.

Glass Front Cover

Toughened glass safety cover, standard feature with metal halide luminaires.

Type	Part Number
ROMSEY	CHB/GLASS
POLAR PROFESSIONAL	HB/GLASS
LUNIS	LUN/GLASS
POLAR HIGH POWER	HBL/GLASS

Wire Guard

Wire guard for improved protection against impact, may be used in combination with glass front cover.

Type	Part Number
ROMSEY	CHB/WG
POLAR PROFESSIONAL	WHB/WG
LUNAR	WHB/WG
LUNIS	LUN/WG

Drop Dish Polycarbonate Diffuser

UV stabilised impact resistant polycarbonate drop dish diffuser. Can only be used in combination with the Polar and Lunar aluminium reflectors

Type	Part Number
POLAR PROFESSIONAL	HB/DD
LUNAR	WHB/DIFF

Conical Polycarbonate Diffuser

UV stabilised impact resistant polycarbonate conical diffuser. This is not suitable for the Romsey Reflector and should only be used in combination with the Romsey Refractor

Type	Part Number
CONICAL DIFFUSER	CHBCD

Motorised raise and lower hoist

Wirefield is also able to provide motorised raise and lower hoists with which a great many of our fittings are compatible. For installations with high fixing points or where relamping/ maintenance is difficult due to restrictions with access, these hoists are an ideal solution. Should you wish to enquire further please contact our sales office with the following information:

1) The type of luminaire/s being installed (high bay, low bay, etc)

2) The weight of the luminaire/s

3) The distance that the luminaire/s will need to descend from ceiling to floor

4) The type of ceiling that the hoists are to be mounted to

Amenity Lighting

Luminaires using energy efficient long life lamps provide cost effective lighting solutions for access, security and general lighting applications.

RETONDO IP20
Pages 96-97

WIN IP65
Pages 98-99

PORTAL IP65
Pages 100-101

VESTIGE
Pages 102-103

ASHWOOD IP65
Pages 104-105

RAPIDO IP65
Pages 106-107

RAMA IP65
Pages 108-109

SPACER IP65
Pages 110-111

ZEXEN BH ZONE 2 IP65
Pages 112-113

BOLARD IP65
Pages 114-115

SPECTRUM
Pages 116-117

RONDO
Pages 118-119

wirefield

RETONDO IP20

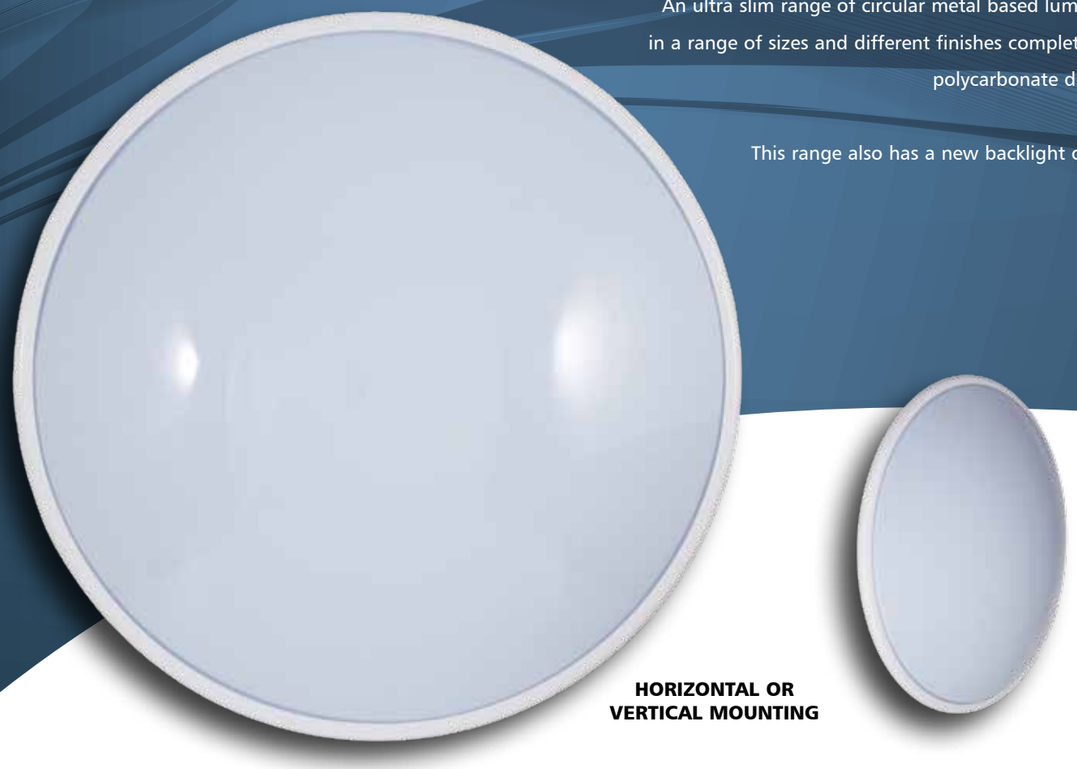
DECORATIVE AMENITY LUMINAIRE

For general, commercial and semi-decorative application

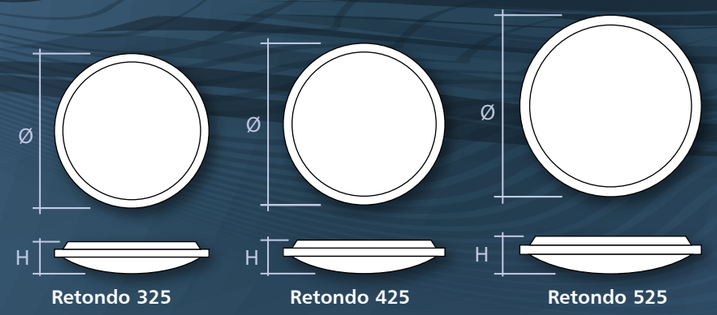
An ultra slim range of circular metal based luminaires in a range of sizes and different finishes complete with polycarbonate diffuser.

This range also has a new backlight option.

Designed and manufactured to comply with EN 60598 and are CE certified.



HORIZONTAL OR VERTICAL MOUNTING



Retondo 325 **Retondo 425** **Retondo 525**

Lamp Options

2D: 2D Compact Fluorescent

T5C: Circular

Product Specification:

- Certified ingress protection to IP20
- Metal base for extra rigidity powder coated white as standard
- Opal polycarbonate diffuser
- Supplied with high frequency control gear as standard

Order Codes

Including Lamps

Retondo 325 2D

Order Code	*Watt*	*Ø*	*H*	*Lamp*
TON16/325	28	425	95	2D
TON28/325	28	425	95	2D

Retondo 425 2D

Order Code	*Watt*	*Ø*	*H*	*Lamp*
TON28/425	28	425	95	2D
TON38/425	38	425	95	2D

Retondo 525 T5

Order Code	*Watt*	*Ø*	*H*	*Lamp*
TON40/525	40	525	105	T5C
TON55/525/T5C	55	525	105	T5C
TON55/525/2D	55	525	105	2D

Example order code:
TON28/425 – A 28 watt 2D luminaire, 425mm diameter with high frequency control gear. Supplied complete with lamp.

Gear options
/E3: 3hr Emergency
/E3T: Self Test Emergency

Applications:

- Staircases
- Corridors
- Reception
- Hotel Rooms

Also available with Motion and Daylight sensors - see page 156-157

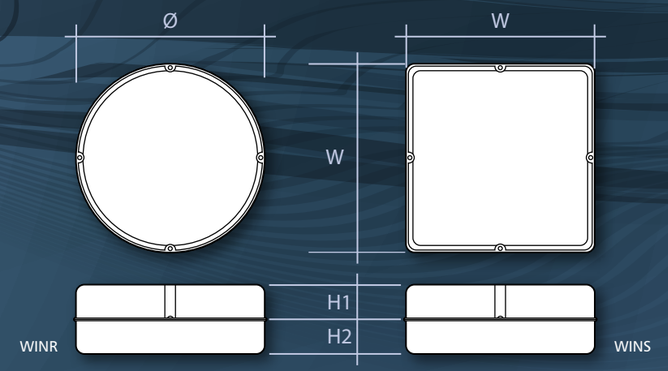
WIN IP65

ROUND OR SQUARE BULKHEADS

For protected area lighting

High efficiency energy saving compact fluorescent amenity bulkhead incorporating a 2D lamp, ideally suited to both internal and external applications.

Designed and manufactured to comply with EN 60598 and are CE certified.



WINR

WINS

Applications:

- Internal corridors and access areas
- Store rooms
- Emergency exits
- Under canopy applications
- Wall mounted perimeter lighting
- Wash rooms
- Sports facilities
- Service corridors

Product Specification

- Certified ingress protection to IP65
- White body – black available
- A choice of round or square body
- High efficiency energy saving 2D lamp included
- Suitable for wall or ceiling mounting
- Vandal resistant UV stabilised polycarbonate body and prismatic diffuser
- Quality integral control gear for trouble free use
- All gaskets are manufactured from heat resistant silicone rubber to ensure the IP65 rating
- Supplied with high frequency control gear as standard
- For photometry details refer to Page 217 graph ref PC034

Optional Features

(Add suffix to order code)

/BL: Black body (substitute /WH for /BL)

/FTB: Fused terminal block

/TPS: Tamper proof screws

Lamp Options

2D: 2D Compact Fluorescent

Order Codes

Including Lamps

WINR - ROUND

Order Code	*Watt*	*Ø*	*H1*	*H2*	*Lamp*
WINR16/WH	16	205	38	43	2D
WINR28/WH	28	286	38	43	2D
WINR38/WH	38	360	50	54	2D

WINS - SQUARE

Order Code	*Watt*	*W*	*H1*	*H2*	*Lamp*
WINS16/WH	16	190	45	45	2D
WINS28/WH	28	260	45	45	2D
WINS38/WH	38	340	50	54	2D

Example order code:
WINS28/WH/HF/E3/TPS – A 28 watt 2D square IP65 fitting with a white body, prismatic diffuser, high frequency control gear, integral 3 hour emergency facility and tamper proof screws. Supplied complete with lamp.

Gear options

/E3: 3hr Emergency
/E3T: Self Test Emergency

wirefield

PORTAL IP65

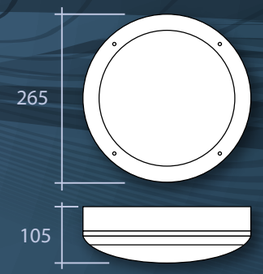
AMENITY LUMINAIRES

For protected area lighting and semi-decorative application

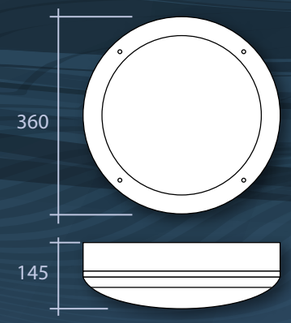
IP 65 Surface mounted luminaire constructed of die cast aluminium housing and front ring cover with UV stabilised poycarbonate vandal resistant diffuser.

Available in Black Finish and Aluminium Finish.

Designed and manufactured to comply with EN 60598 and are CE certified.



Portal IP65 265



Portal IP65 360

Lamp Options

2D: 2D Compact Fluorescent

T5C: Circular

TC-D: Compact Fluorescent

Product Specification

- Certified ingress protection to IP65
- High frequency control gear supplied as standard
- Powder coated black as standard
- Die cast aluminium construction
- Opal UV stabilised polycarbonate diffuser

Optional Features

(Add suffix to order code)

/AL: Aluminium finish

/PEC: Dusk to dawn sensing photo-electric cell

Applications:

- Schools & Universities
- Building perimeters
- Hospitals
- Under canopy application

Also available with Motion and Daylight sensors - see page 158-159

Order Codes

Including Lamps

Portal IP65 265

Order Code	*Watt*	*Lamp*
POR16/265	16	2D
POR18/265	18	TC-D

Portal IP65 360

Order Code	*Watt*	*Lamp*
POR22/360	22	T5C
POR28/360	28	2D
POR38/360	38	2D
POR40/360	40	T5C
POR55/360*	55	2D

* Integral emergency not available for 55 watt.

Example order code:
POR22/360/E3 – A 22 watt T5-C IP65 black body luminaire, 360mm diameter with high fequency control gear and integral emergency gear. Supplied complete with lamp.

Gear options

/F: 10% Standby Dimming
/D: DSI Digital Dimming

/E3: 3hr Emergency
/E3T: Self Test Emergency

Please check with sales team for compatibility

Photometric data is available on-line for DiaLux and ReLux

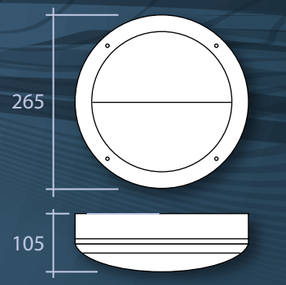
VESTIGE

ROUND BULKHEADS

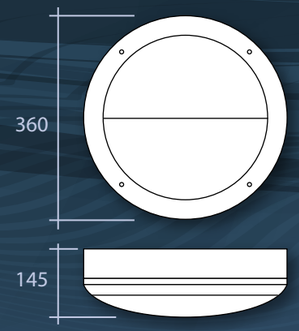
For protected area lighting and semi-decorative application

IP65 surface mounted luminaire constructed of die cast aluminium housing and front (hood) cover with UV stabilised polycarbonate vandal resistant diffuser.

Designed and manufactured to comply with EN 60598 and are CE certified.



Vestige 265



Vestige 360

Product Specification

- Certified ingress protection to IP65
- High frequency control gear supplied as standard
- Powder coated black as standard
- Die cast aluminium construction
- Opal UV stabilised polycarbonate diffuser

Optional Features

(Add suffix to order code)

/AL: Aluminium finish

/PEC: Dusk to dawn sensing photo-electric cell

Applications:

- Schools & Universities
- Hotel Entrances
- Under Canopy
- Hospitals

Also available with Motion and Daylight sensors - see page 160-161

Lamp Options

2D: 2D Compact Fluorescent

T5C: Circular

TC-D: Compact Fluorescent

Order Codes

Including Lamps

Vestige 265

Order Code	*Watt*	*Lamp*
VEST16/265	16	2D
VEST18/265	18	TC-D

Vestige 360

Order Code	*Watt*	*Lamp*
VEST22/360	22	T5C
VEST28/360	28	2D
VEST38/360	38	2D
VEST40/360	40	T5C
VEST55/360*	55	2D

* Integral emergency not available for 55 watt.

Example order code:
VEST22/360/E3 – A 22 watt T5-C IP65 black body luminaire, 360mm diameter with high frequency control gear and integral emergency gear. Supplied complete with lamps.

Gear options

/F: 10% Standby Dimming
/D: DSI Digital Dimming

/E3: 3hr Emergency
/E3T: Self Test Emergency

Please check with sales team for compatibility

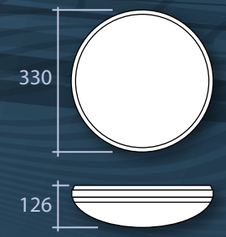
ASHWOOD IP65

AMENITY LUMINAIRES

For protected area lighting and semi-decorative application

High efficiency energy saving compact fluorescent decorative bulkhead, incorporating a 2D or T5 lamp, ideally suited to both internal and external applications requiring an IP65 rating.

Designed and manufactured to comply with EN 60598 and are CE certified.



Ashwood IP65 330

Lamp Options

2D: 2D Compact Fluorescent

T5C: Circular

Product Specification

- Certified ingress protection to IP65
- White body
- Quick release opal diffuser for speedy maintenance
- Unique push fit conduit entry from one side
- High efficiency energy saving 2D or T5 lamp included
- Suitable for wall or ceiling mounting
- UV stabilised polycarbonate body and opal diffuser for maximum durability
- Quality integral control gear for long service life
- All gaskets are manufactured from heat resistant silicone rubber to ensure the IP65 rating

Optional Features

(Add suffix to order code)

/FTB: Fused terminal block

Order Codes

Including Lamps

Ashwood IP65 330

Order Code	*Watt*	*Ø*	*H*	*Lamp*
ASHW16/330	16	330	126	2D
ASHW22/330	22	330	126	T5C
ASHW28/330	28	330	126	2D
ASHW38/330	38	330	126	2D

Example order code:
ASHW28/330/E3 – A 28 watt 2D IP65 fitting with an opal diffuser, white body and fitted with integral 3 hour emergency pack. Supplied complete with lamp.

Applications:

- Schools and universities
- Sports and leisure facilities
- Wash rooms and changing rooms
- Hotels
- Foyers, receptions and entrance halls
- Access areas requiring a semi-decorative appearance
- Under canopy applications

Also available with Motion and Daylight sensors - see page 156-157

Gear options

/HF: High Frequency
/F: 10% Standby Dimming
/D: DSI Digital Dimming

/E3: 3hr Emergency
/E3T: Self Test Emergency

Please check with sales team for compatibility

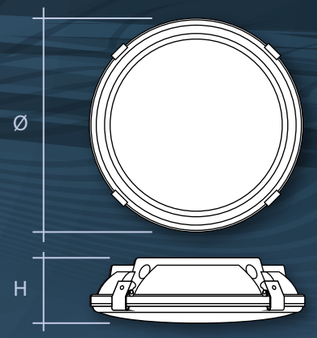
RAPIDO IP65

AMENITY LUMINAIRES

For protected area lighting and semi-decorative application

High efficiency energy saving compact fluorescent decorative bulkhead, incorporating a 2D lamp, ideally suited to both internal and external applications requiring an IP65 rating.

Designed and manufactured to comply with EN 60598 and are CE certified.



Lamp Options

2D: 2D Compact Fluorescent

Applications:

- Schools and universities
- Sports and leisure facilities
- Wash rooms and changing rooms
- Hotels
- Foyers, receptions and entrance halls
- Access areas requiring a semi-decorative appearance
- Under canopy applications

Product Specification

- Certified ingress protection to IP65
- High frequency control gear supplied as standard
- White body
- Quick release diffuser for speedy maintenance
- Unique push fit conduit entry from one side
- A choice of three sizes available
- Suitable for wall or ceiling mounting
- UV stabilised polycarbonate body for maximum durability
- Quality integral high frequency control gear for long service life
- All gaskets are manufactured from heat resistant silicone rubber to ensure the IP65 rating

Optional Features

(Add suffix to order code)

/FTB: Fused terminal block

Order Codes

Including Lamps

RAPIDO IP65 270

Order Code	*Watt*	*Ø*	*H*	*Lamp*
RAP27/16	16	260	102	2D
RAP27/21	21	260	102	2D

RAPIDO IP65 300

Order Code	*Watt*	*Ø*	*H*	*Lamp*
RAP30/21	21	330	126	2D
RAP30/28	28	330	126	2D
RAP30/38	38	330	126	2D

RAPIDO IP65 360

Order Code	*Watt*	*Ø*	*H*	*Lamp*
RAP36/38	38	470	157	2D
RAP36//55	55	470	157	2D

Integral emergency not available.

Example order code:
RAP36/38 – A 38 watt 2D high frequency IP65 fitting with an opal diffuser and white body. Supplied complete with lamp.

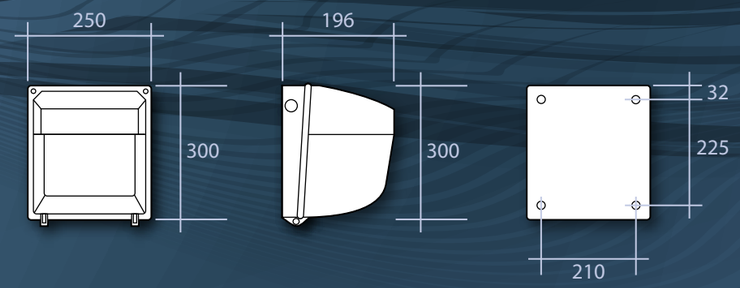
RAMA IP65

VANDAL RESISTANT WALL PACK

For access and security applications

High efficiency wall mounted luminaire incorporating metal halide, high pressure sodium, or mercury discharge lamp with power ratings ranging from 50 to 125 watts.

Designed and manufactured to comply with EN 60598 and are CE certified.



Lamp Options

SI: Elliptical Diffuse High Pressure Sodium
Internal ignitor

QP: Elliptical Metal Halide – Protected

M: Elliptical Diffuse Mercury

Product Specification

- Certified ingress protection to IP65
- Choice of metal halide, high pressure sodium or mercury discharge lamp included
- Vandal resistant UV stabilised polycarbonate body and diffuser
- Flush mounting to prevent fitting being levered away from the wall
- High purity anodised reflector for improved efficiency
- Quality integral control gear for trouble free use
- Easy installation/maintenance with hinge down diffuser
- Captive fixings and rugged construction for a long service life
- All gaskets are manufactured from heat resistant silicone rubber to ensure the IP65 rating
- For photometry details refer to Page 217 graph ref PC035

Optional Features

(Add suffix to order code)

/TI: Timed ignitor to prevent lamp cycling

/FTB: Fused terminal block

/PEC: Dusk to dawn sensing photo-electric cell

Order Codes

Including Lamps

Order Code	*Watt*	*Kg*	*Lamp*
WWP50S	50	3.25	SI
WWP70S	70	3.25	SI
WWP70QP	70	3.3	QP
WWP80M	80	3.3	M
WWP125M	125	3.4	M

Example order code:
WWP80M/PEC – A 80 watt mercury IP65 wall pack with a photo-electric cell. Supplied complete with lamp.

Applications:

- Security and general access
- Architectural features
- Exterior lighting
- Footpaths
- Tunnels

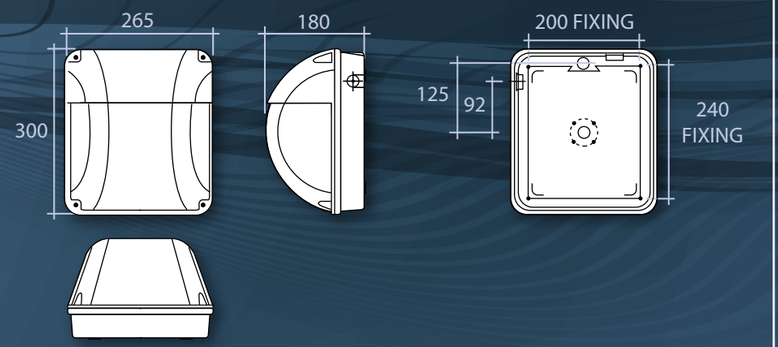
SPACER IP65

VANDAL RESISTANT WALL PACK

For access and security applications

High efficiency wall mounted luminaire incorporating metal halide or high pressure sodium lamps.

Designed and manufactured to comply with EN 60598 and are CE certified.



Lamp Options

SI: Elliptical Diffuse High Pressure Sodium
Internal ignitor

QP: Elliptical Metal Halide – Protected

Applications:

- Security and general access
- Architectural features
- Exterior lighting
- Footpaths
- Tunnels

Product Specification

- Certified ingress protection to IP65
- Choice of metal halide or high pressure sodium lamp included
- Vandal resistant UV stabilised polycarbonate body and diffuser
- Flush mounting to prevent fitting being levered away from the wall
- High purity anodised reflector for improved efficiency
- Quality integral control gear for trouble free use
- Easy installation/maintenance with hinge down diffuser
- Captive fixings and rugged construction for a long service life
- All gaskets are manufactured from heat resistant silicone rubber to ensure the IP65 rating
- For photometry details refer to Page 217 graph ref PC036

Optional Features

(Add suffix to order code)

/PEC: Dusk to dawn sensing photo-electric cell

Also available with LED's, Motion and Daylight sensors - see page 196-197

Order Codes

Including Lamps

Order Code	*Watt*	*Kg*	*Lamp*
WWPC70S	70	3.25	SI
WWPC70QP	70	3.3	QP

Example order code:
WWPC70QP/PEC – A 70 watt metal halide IP65 wall pack with a photo-electric cell. Supplied complete with lamp.

ZEXEN BH ZONE 2 IP65

BULKHEAD

For hazardous area lighting

High efficiency wall mounted Zone 2, Cat 3 cast aluminium luminaire incorporating either 70 watt metal halide or, 70 watt high pressure sodium discharge lamp.

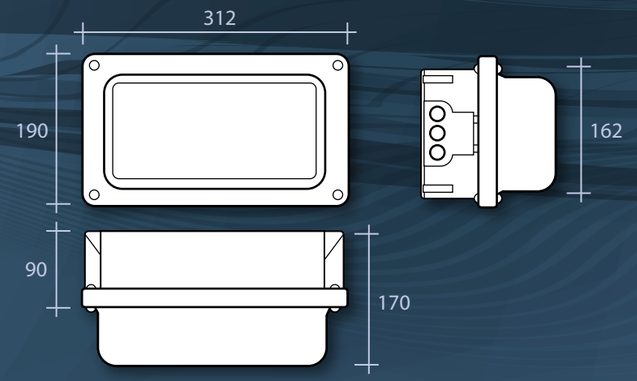
Certification code: EEx nC II 3 GD

T3 (Tamb –20 to + 30)

Certificate number 03 ATEX TFDN/01

(Restricted breathing).

Designed and manufactured to comply with EN 50021 and are CE certified.



Lamp Options

S: Tubular High Pressure Sodium

Q: Tubular Metal Halide

Product Specification

- Certified ingress protection to IP65
- Choice of metal halide or high pressure sodium lamp included
- Suitable for gas and dust areas with restricted access
- Highly durable heavy die cast aluminium body and optic frame
- Quality sub components used for a long service life
- Easy installation with two M20 ISO cable entries and large terminal block
- All gaskets are manufactured from heat resistant silicone rubber to ensure IP65-rating
- For photometry details refer to Page 218 graph ref PC037

Order Codes

Including Lamps

Order Code	*Watt*	*Kg*	*Lamp*
ZBH70S	70	6	S
ZBH70Q	70	6	Q

Example order code:
ZBH70S – A 70 watt high pressure sodium IP65 Zone 2 bulkhead luminaire. Supplied complete with lamp.

Note this product is not always held in stock - please allow up to 5 weeks to guarantee delivery.

Applications:

- Zone 2, Cat 3 nominated hazardous areas
- Flour mills
- Grain stores
- Dusty environments

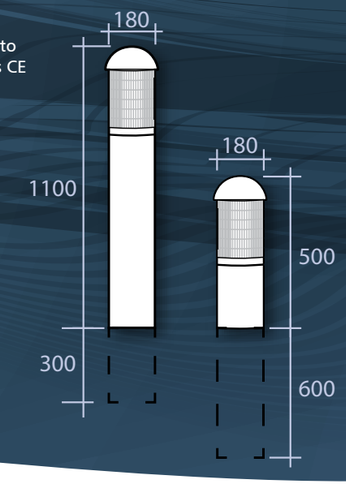
BOLLARD IP65

LIGHTING BOLLARD

For residential and commercial area lighting

Heavy duty high efficiency amenity bollard in two sizes 1100mm and 500mm, incorporating either GLS, metal halide, sodium, mercury or compact fluorescent lamps.

Designed and manufactured to comply with EN 60598 and is CE certified.



WBL11

WBL60

Applications:

- Car parks
- Gardens and parks
- Pedestrian precincts
- Pathways
- Hotel forecourts
- Driveways
- Industrial estates

Product Specification

- Certified ingress protection to IP65 (lamp compartment)
- Choice of lamps
- Louvre stack for controlled light distribution
- UV stabilised impact resistant polycarbonate refractor
- Choice of two sizes 1100mm and 500mm
- Extra strong base plate mounting (root mounting version available)
- Tamper proof corrosion resistant fixings
- Durable heavy grade aluminium body finished in corrosion resistant black
- Quality integral control gear for trouble free use
- All gaskets are manufactured from heat resistant silicone rubber to ensure the IP65 rating
- For photometry details refer to Page 218 graph ref PC038

Optional Features

(Add suffix to order code)

/RM: Root mounted for extra strength

/FTB: Fused terminal block

/PEC: Dusk to dawn sensing photo electric cell

/BB: 180° baffle

Lamp Options

SI: Elliptical Diffuse High Pressure Sodium – Internal Ignitor
M: Elliptical Diffuse Mercury

QP: Elliptical Metal Halide – Protected

TC-T: Compact Fluorescent

TC-D: Compact Fluorescent

GLS: Incandescent Lamp (not supplied)

Order Codes

Including Lamps

1100mm

Order Code	*Watt*	*Kg*	*Lamp*
WBL1118PL	2 x 18	8.5	TC-D
WBL1142PL	1 x 42	8.5	TC-T
WBL1110GLS*	1 x 100	8.5	GLS
WBL1170S	1 x 70	8.5	SI
WBL1170QP	1 x 70	8.5	QP
WBL1180M	1 x 80	8.5	M
WBL1112M	1 x 125	8.5	M

500mm

Order Code	*Watt*	*Kg*	*Lamp*
WBL6018PL	2 x 18	5.8	TC-D
WBL6042PL	1 x 42	5.8	TC-T
WBL6010GLS*	1 x 100	5.8	GLS
WBL6070S	1 x 70	5.8	SI
WBL6070QP	1 x 70	5.8	QP

* GLS version supplied without lamp

Example order code:
WBL6042PL/RM/FTB/PEC – A 1 x 42 watt compact fluorescent bollard with a black 500mm body root mounted, fused terminal block and photo cell. Supplied complete with lamp.

Gear options
/E3: 3hr Emergency
/E3T: Self Test Emergency

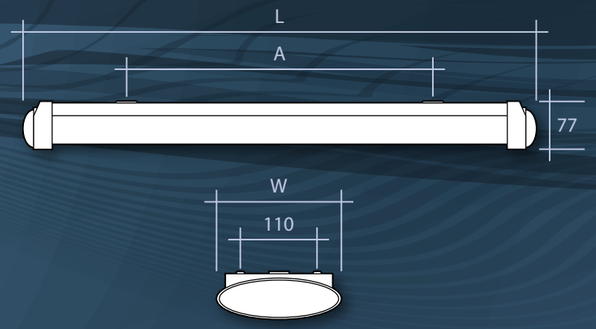
SPECTRUM

SURFACE MOUNTED FLUORESCENT LUMINAIRES

For general commercial application

New Spectrum offers an attractive range of surface mounted fluorescent luminaires with a multitude of applications.

Designed and manufactured to comply with EN 60598 and are CE certified.



Lamp Options

T8: 26mm Fluorescent Tubes
T5: 16mm Fluorescent Tubes

Product Specification

- Quality switch start control gear – high frequency available
- Fitted with a reeded acrylic wrap around frosted prismatic diffuser for even light distribution
- Attractive design and slim profile neatly blends into the installation
- Quality sub components used to ensure a long service life
- Fabricated on the most modern equipment available to ensure perfect assembly
- Diffuser held captive within the end caps for positive fixing
- For photometry details refer to Page 218 graph ref PC039

Optional Features

(Add suffix to order code)

/HF: High frequency control gear

/FTB: Fused terminal block

/SUSP: Pendant suspension kit

/840: Supplied with colour 840 lamps

Order Codes

Excluding Lamps

T8 tube - switch start

Order Code	*Watt*	*L*	*A*	*W*	*Lamp*
WDB218	2 x 18	693	460	208	T8
WDB236	2 x 36	1293	800	208	T8
WDB258	2 x 58	1593	1000	208	T8

T5 tube - HF as standard

Order Code	*Watt*	*L*	*A*	*W*	*Lamp*
WDB214	2 x 14	693	460	208	T5
WDB228	2 x 28	1293	800	208	T5
WDB235	2 x 35	1593	1000	208	T5

Example order code:
WDB236/HF – A 2 x 36 watt T8 fluorescent surface mounted luminaire, reeded acrylic diffuser and high frequency control gear. Supplied without lamps.

Applications:

- Reception areas
- Commercial offices
- Schools
- Meeting rooms
- Corridors
- Store rooms
- Community centres
- Leisure centres

Also available with Motion and Daylight sensors - see page 148-149

Gear options

/F: 10% Standby Dimming
/D: DSI Digital Dimming

/E3: 3hr Emergency
/E3T: Self Test Emergency

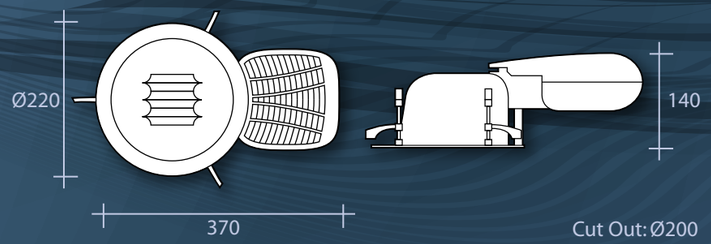
RONDO

RECESSED DOWNLIGHT

For general, retail and commercial application

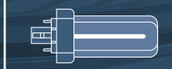
Versatile high efficiency compact fluorescent downlight.

Designed and manufactured to comply with EN 60598 and are CE certified.



Lamp Options

TC-D: Compact Fluorescent
2 pin (for switch start)
4 pin (for HF)



TC-T: Compact Fluorescent

Product Specification

- Certified ingress protection to IP20
- Decorative white ring as standard
- Metalized polycarbonate reflector for optimum efficiency and zero iridescence
- Mechanical fixings for secure installation in any ceiling type
- For photometry details refer to Page 218 graph ref PC040, PC041 and PC042

Optional Order Codes

(Add suffix to order code)

RDL/PC: IP44 Polycarbonate cover - maximum wattage 2 x 18W or 1 x 26W.

RDL/FL: Fresnel lens

Order Codes

Excluding Lamps

Order Code	*Watt*	*Kg*	*Lamp*
RDL113	1 x 13	0.99	TC-D
RDL118	1 x 18	0.99	TC-D
RDL126	1 x 26	1.22	TC-D
RDL132*	1 x 32	0.78	TC-T
RDL142*	1 x 42	0.78	TC-T
RDL213	2 x 13	1.34	TC-D
RDL218	2 x 18	1.34	TC-D
RDL226	2 x 26	1.79	TC-D
RDL232*	2 x 32	0.88	TC-T
RDL242*	2 x 42	0.88	TC-T

*** only available with HF Ballast**

Example order code:
RDL218/HF – A 2 x 18 watt downlight with high frequency ballast. Supplied without lamps.

/PC

/FL

Applications:

- Entrance lobbies
- Client areas
- Small offices
- Retail and showrooms
- Wash rooms

Gear options

/HF: High Frequency
/F: 10% Standby Dimming
/D: DSI Digital Dimming

/E3: 3hr Emergency
/E3T: Self Test Emergency

Please check with sales team for compatibility

For further downlighter options see
Circulux - pages 162-163
Circu-LED - pages 180-181

Street Lighting

ASTRA 1,2, & 3 IP65

Pages 122-123

ASTRA 3 ULL IP65

Pages 124-125

AVENTUS

Pages 126-127

PLAZA® IP65

Pages 128-129

Luminaires using energy efficient long life lamps provide cost effective lighting solutions for access, security and general lighting applications.

wirefield

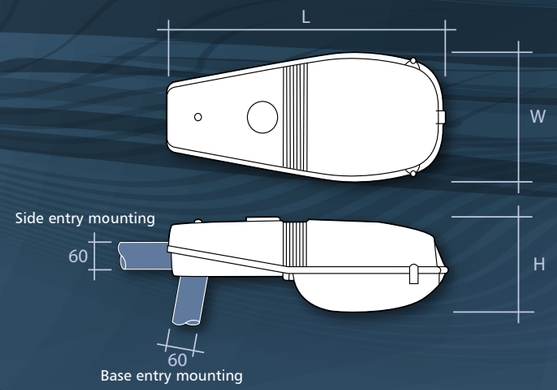
ASTRA 1,2 & 3 IP65

STREET LIGHTING LANTERN

For roadway, urban and amenity lighting

A very comprehensive family of high efficiency lanterns with an IP65 lamp compartment incorporating either metal halide or high pressure sodium lamp with power ratings from 70 watt to 400 watts. A wide range of options are also available to suit the application.

Designed and manufactured to comply with EN 60598 and are CE certified.



Lamp Options

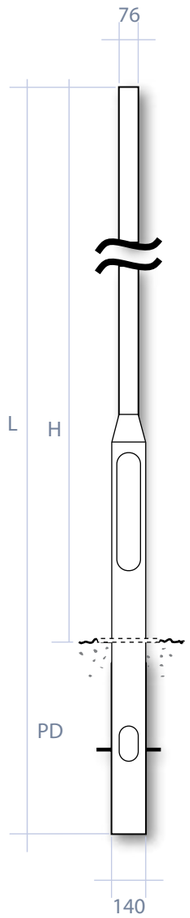
S: Tubular High Pressure Sodium

QP: Elliptical Metal Halide – Protected

SI/SE: Elliptical Diffuse High Pressure Sodium
SI = Internal Ignitor SE = External Ignitor

Applications:

- Pathway lighting
- Roadway lighting
- Car parks
- Security
- Amenity



Hot dipped galvanised Parallel Sided Poles with access door

Order Code

Root Mnt	*Flange Mnt*	*H (m)*	*L (m)*	*PD (m)*	*Kg*
COL4RM76	**COL4FM76**	4	4.8	0.8	30
COL5RM76	**COL5FM76**	5	5.5	0.8	37
COL6RM76	**COL6FM76**	6	6.7	1.0	45

Astra 1,2 & 3 are designed for 60mm poles. To use with these 76mm poles order the following adaptor: ASTRASPIG76F/60M

Product Specification

- Certified ingress protection to IP65 (lamp compartment)
- To suit 60mm poles. 76mm adaptor available (ASTRASPIG76F/60M)
- Choice of three body sizes depending on wattage and installation requirements
- Metal halide or high pressure sodium lamp options
- Impact resistant UV stabilised polycarbonate bowl
- Can be supplied base or side entry at no extra cost – specify when ordering
- All available with a NEMA socket for use with a photocell
- High performance anodised reflector to optimise light distribution
- UV stabilised impact resistant polycarbonate body with powder coated cast aluminium gear tray
- Quality integral control gear for a long service life
- For photometry details refer to Pages 218 graph ref PC043
- **Windage guide:**
  Astra 1 - 0.09m²
  Astra 2 - 0.14m²
  Astra 3 - 0.17m²

Also available with LED's, Motion and Daylight sensors - see page 198-199

Optional Features

(Add suffix to order code)

/NEMA: Dusk to dawn sensing photo electric cell

/FTB: Fused terminal block

/GF: Toughened front glass

/GB: Toughened glass bowl

/TI: Timed ignitor to prevent lamp cycling

Note Astra spigot required if post top mounting - Order Code: ASTRASPIG76F/60M

Order Codes

Including Lamps

Astra 1 - L485 x W245 x H180 (/GF=H125)

Order Code	*Watt*	*Kg*	*Lamp*
AST1/70S	70	3.9	SI
AST1/70QP	70	3.9	QP
AST1/100S	100	4.1	S/E
AST1/100QP	100	4.1	QP

Astra 2 - L625 x W280 x H210 (/GF=H140)

Order Code	*Watt*	*Kg*	*Lamp*
AST2/150S	150	7.6	S
AST2/250S	250	8.4	S
AST2/150QP	150	5.4	QP
AST2/250QP	250	8.4	QP

Astra 3 - L690 x W300 x H235 (/GF=H165)

Order Code	*Watt*	*Kg*	*Lamp*
AST3/250S	250	9.0	S
AST3/400S	400	10.6	S
AST3/250QP	250	9.0	QP
AST3/400QP	400	10.6	QP

Special Note: When using the toughened front glass or toughened glass bowl, tubular metal halide lamps will be supplied.

Example order code:
AST2/250QP/TI/GF/NEMA – A 250 watt metal halide lantern fitted with a timed ignitor, glass front and NEMA photoelectric cell. Supplied complete with lamp.

wirefield

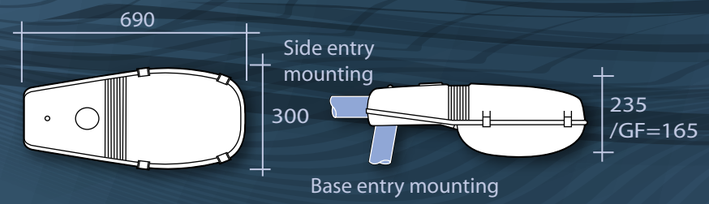
ASTRA 3 ULL IP65

ULTRA LONG LIFE STREET LIGHTING LANTERN

For roadway, urban and amenity lighting

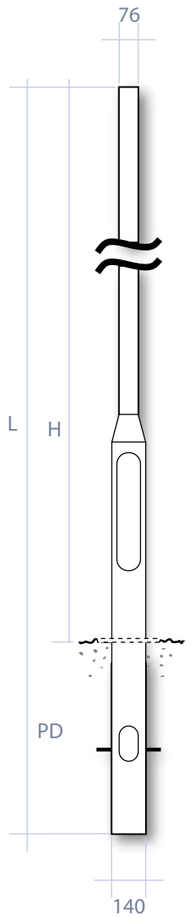
A high efficiency lantern with an IP65 lamp compartment incorporating either a 70 or 100 watt Osram Endura lamp with Quicktronic control gear. A wide range of options are also available to suit the application.

Designed and manufactured to comply with EN 60598 and are CE certified.



Lamp Options

END: Endura



Applications:

- Installations with limited provision for maintenance or access

Hot dipped galvanised Parallel Sided Poles with access door

Order Code

Root Mnt	*Flange Mnt*	*H (m)*	*L (m)*	*PD (m)*	*Kg*
COL4RM76	**COL4FM76**	4	4.8	0.8	30
COL5RM76	**COL5FM76**	5	5.5	0.8	37
COL6RM76	**COL6FM76**	6	6.7	1.0	45

Astra 1,2 & 3 are designed for 60mm poles. To use with these 76mm poles order the following adaptor: ASTRASPIG76F/60M

Product Specification

- Certified ingress protection to IP65 (lamp compartment)
- Massive 60,000 hours lamp life guaranteed
- Flicker free instant start
- Hot re-strike
- Remote mounted light weight high efficiency electronic control gear
- Impact resistant UV stabilised polycarbonate bowl
- Can be supplied base or side entry at no extra cost – specify when ordering
- All available with a NEMA socket for use with a photocell
- High performance anodised reflector to optimise light distribution
- UV stabilised impact resistant polycarbonate body with powder coated cast aluminium gear tray
- For photometry details refer to Page 218 graph ref PC044
- **Windage guide - 0.17m²**

Optional Features

(Add suffix to order code)

/NEMA: Dusk to dawn sensing photo electric cell

/FTB: Fused terminal block

/GF: Toughened front glass

/GB: Toughened glass bowl

Note Astra spigot required if post top mounting - Order Code: ASTRASPIG76F/60M

Order Codes

Including Lamps

Astra 3 - L690 x W300 x H235

Order Code	*Watt*	*Kg*	*Lamp*
AST3/70END	70	6.0	END
AST3/100END	100	6.0	END

Example order code:
AST3100END/GF/NEMA – A 100 watt Endura lantern fitted with a glass front and NEMA photoelectric cell. Supplied complete with lamp.

WEB www.wirefield.co.uk TEL 08448 475100 FAX 08448 475101

wirefield

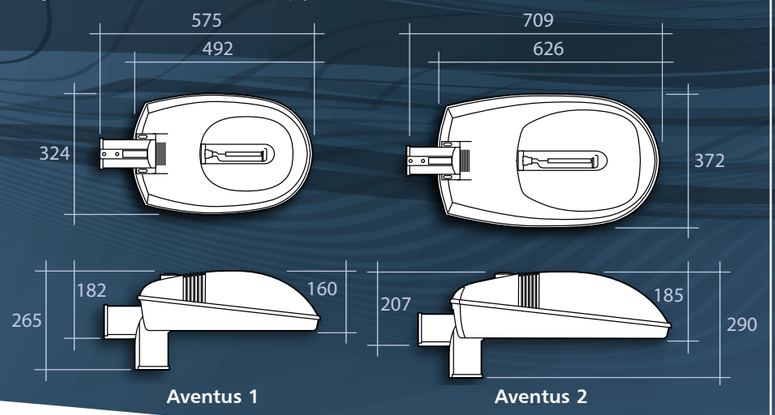
AVENTUS

STREET LIGHTING LANTERN

For high performance roadway, urban and amenity lighting

Precision engineered, IP66 street lighting lanterns, incorporating either metal halide or high-pressure sodium lamps with power ratings of 70 watt to 400 watts. For ultimate optical control the product is designed with 'cutoff' or 'semi cut-off' optics.

Designed and manufactured to comply with EN 60598-1 and are CE certified.



Aventus 1 Aventus 2

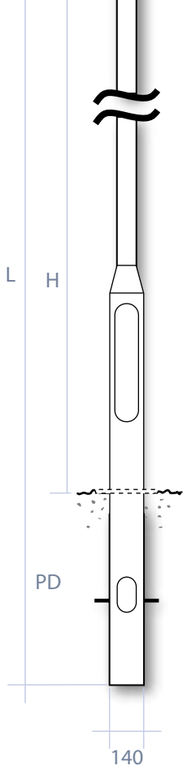
Lamp Options

S: Tubular High Pressure Sodium

Q: Tubular Metal Halide

Applications:

- Pathway lighting
- Roadway lighting
- Car parks
- Security
- Amenity



Hot dipped galvanised Parallel Sided Poles with access door

Order Code

Root Mnt	*Flange Mnt*	*H (m)*	*L (m)*	*PD (m)*	*Kg*
COL4RM76	**COL4FM76**	4	4.8	0.8	30
COL5RM76	**COL5FM76**	5	5.5	0.8	37
COL6RM76	**COL6FM76**	6	6.7	1.0	45

Product Specification

- Certified ingress protection to IP66
- Choice of two body sizes:
  Aventus 1 – 70/100/150 watt
  Aventus 2 – 250/400 watt
- Choice of two optics:
  Flat toughened glass – cut-off (fitted)
  Curved toughened glass – semi cut-off
- Adjustable mounting bracket for base or side entry
- All available with NEMA socket for use with a photocell
- One piece high performance anodised aluminium reflector for improved light distribution
- Heavy grade die cast aluminium body finished in grey thermset polyester powder coating for improved corrosion resistance
- Timed ignitor to prevent lamp cycling
- Quality integral control gear for a long service life
- Supply cut off switch operates when the gear box is opened for added safety
- Quick release top cover for ease of maintenance
- **Windage guide:**
  Aventus 1 - 0.09m²
  Aventus 2 - 0.13m²

Optional Features

(Add suffix to order code)

/NEMA: Dusk to dawn sensing photo electric cell

/FTB: Fused terminal block

/SCOG: Curved toughened toughened front glass - semi cut-off

Note Astra spigot required if post top mounting - Order Code ASTRASPIG76F/60M.

Also available with LED's, Motion and Daylight sensors - see page 200-201

Order Codes

Including Lamps

Aventus 1

Order Code	*Watt*	*Kg*	*Lamp*
AVT1/70S	70	7.9	S
AVT1/150S	150	8.7	S
AVT1/70Q	70	8.1	Q
AVT1/100Q	100	8.7	Q
AVT1/150Q	150	8.8	Q

Special Note: Using /SCOG increases luminaire height by 40mm.

Aventus 2

Order Code	*Watt*	*Kg*	*Lamp*
AVT2/250S	250	12.7	S
AVT2/400S	400	13.9	S
AVT2/250Q	250	10.8	Q
AVT2/400Q	400	13.8	Q

Special Note: Using /SCOG increases luminaire height by 55mm.

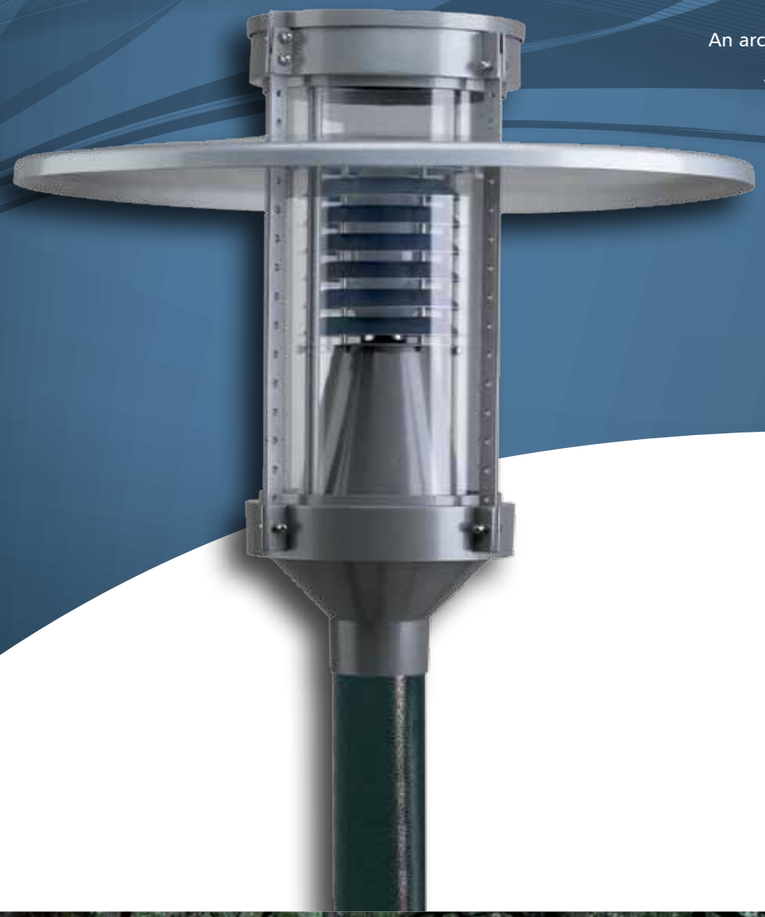
Example order code:
AVT2/250Q/TI/SCOG/NEMA – A 250 watt metal halide Aventus 2 lantern fitted with a timed ignitor, semi cut-off curved glass and NEMA photo electric cell. Supplied complete with lamp.

wirefield

PLAZA® IP65

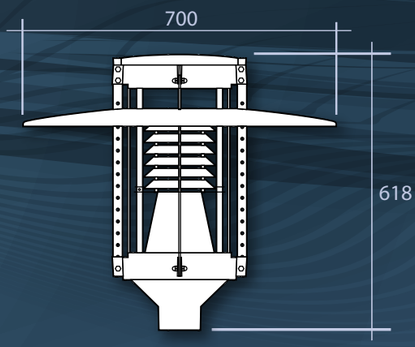
ARCHITECTURAL STREET LIGHTING LANTERN

For roadway, urban and amenity lighting



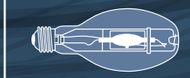
An architectural high efficiency lantern with an IP65 lamp compartment incorporating either metal halide or high pressure sodium discharge lamps.

Designed and manufactured to comply with EN 60598-1 and are CE certified.

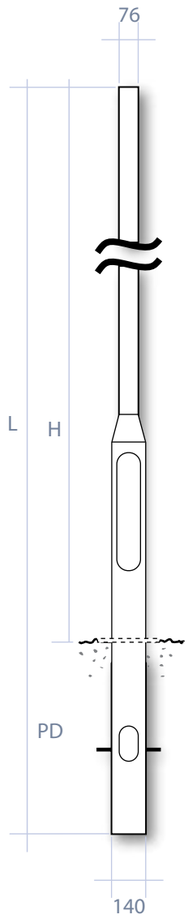


Lamp Options

S: High Pressure Sodium



QP: Elliptical Metal Halide – Protected



Applications:

- Pathways
- Shopping precincts
- Parks and recreational areas
- Amenity

Hot dipped galvanised Parallel Sided Poles with access door

Order Code					
Root Mnt	*Flange Mnt*	*H (m)*	*L (m)*	*PD (m)*	*Kg*
COL4RM76	**COL4FM76**	4	4.8	0.8	30
COL5RM76	**COL5FM76**	5	5.5	0.8	37
COL6RM76	**COL6FM76**	6	6.7	1.0	45

Standard Features

- Certified ingress protection to IP65
- Body, cover and spigot fixing is diecast aluminium alloy coated in grey (RAL 9007)
- Canopy is finished with polyester powdercoat (interior white RAL 9010, exterior grey RAL 9007)
- Spigot fixing is suitable for 76mm pole diameter
- Gear tray is galvanized steel for class I and polycarbonate for class II
- Screws are stainless steel AISI 304
- Gaskets are antiageing, tropicalised and weather resistant silicon
- Lampholder sockets are E27 or E40
- Electrical installation is class I or Class II
- For photometry details refer to Page 218 graph ref PC045
- **Windage guide - 0.163m²**

To Order Features
(Add suffix to order code)

/60: 60mm pole option

Order Codes
Including Lamps

Order Code	*Watt*	*Kg*	*Lamp*
PLZ70S	70	11.5	S
PLZ100S	100	11.5	S
PLZ150S	150	12.3	S
PLZ70QP	70	11.5	QP
PLZ100QP	100	11.5	QP
PLZ150QP	150	12.3	QP

Example order code:
PLZ100QP – A 100 watt metal halide IP65 lantern for 76mm pole. Supplied complete with lamp.

INTELLIGENT LUMINAIRES

Lighting controls are the most effective way to save energy. Using efficient lamp technologies such as T5 and LEDs rather than conventional T8 lamps will typically save 10% but by automatically dimming or switching lighting off when you don't need it you can save 80% or more. The principle is simple but implementing lighting controls at a sensible cost and without upsetting the building's occupants requires experience. Please call a member of our Lighting Controls team if you would like to discuss the best solution for your project.

Modular

EYE PERFORMER

Pages 134-135

EYE ECLIPSE

Pages 136-137

EYE DIRECTOR

Pages 138-139

EYE PROTEX IP54

Pages 140-141

Amenity

EYED IP20

Pages 156-157

EYE PORTAL IP65

Pages 158-159

EYE VESTIGE IP65

Pages 160-161

EYE CIRCULUX

Pages 162-163

Linear

EYEP65 GRP

Pages 144-145

EYE PACK

Pages 146-147

EYE MUNICIPAL

Pages 148-149

EYE LIBRARIAN

Pages 150-151

EYE PACK ACCESSORIES

Pages 152-153

High Level

EYE SOLUTION

Pages 166-167

EYE HI SPORT

Pages 168-169

EYE SOLUTION IP65

Pages 170-171

EYE ASTRA 1, 2 & 3 IP65

Pages 172-173

EYE PERFORMER

Pages 134-135

EYE ECLIPSE

Pages 136-137

EYE DIRECTOR

Pages 138-139

EYE PROTEX IP54

Pages 140-141

Wirefield provide plug and play intelligent solutions for cellular and open plan office spaces. We will help you to specify the appropriate luminaires, lighting controls and modular wiring systems to take advantage of absence and natural daylight. Combining these with Auto-Test emergency lighting eliminates the need for wall switches or key-switches. The final solution will be delivered ready to plug together and connect to unswitched 3 pole klik sockets.

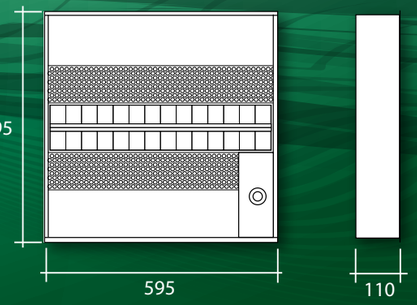
EYE PERFORMER

RECESSED FLUORESCENT LUMINAIRES - WITH BUILT IN PRESENCE AND DAYLIGHT DETECTION

For general commercial application

A new generation of direct/indirect recessed fluorescent luminaires producing high levels of illumination. Ideally suited to applications where an even glare free environment is required.

Designed and manufactured to comply with EN 60598 and is CE certified.



Lamp Options

T5: 16mm Fluorescent Tubes

Product Specification

- High effeciency T5 luminaire to achieve compliance wih 2011 standards for ECAs, Part-L and LG7
- Lay in version as standard, pull up version optional
- Suppied as standard with MIRO-MAT reflector
- Suitable for both 15 and 25mm exposed "T" ceiling systems
- Powder coated white
- Quick release louvre for ease of installation and lamp change
- An ECA compliance calculator is available on our website to verify compliance of this or any other luminaire with the latest ECA standard

Intelligent Options

(Add suffix to order code)

Integral Sensor
/FP01: PIR with 10% on standby

/FSLV: Slave luminaire for use with /FP01 master luminaire

Remote Sensor
/DSLV: Slave luminaire for use with remote sensor SEN-M10 for presence detection and daylight linking

Optional Accessories

SEN-M10: Presence detection and daylight linking sensor for use with /DSLV. Cannot be used in conjuction with /FP01 or /FSLV

Optional Features

(Add suffix to order code)

/PU: Pull up version with 625 x 625mm fllange (will not lay into a standard ceiling grid)

/POL: Polished louvre version

/840: Supplied with colour 840 lamps

Order Codes (must include a Suffix from the Intelligent Options)

Excluding Lamps

Order Code	*Watt*	*Kg*	*Lamp*
WSL214	2 x 14	6.4	T5
WSL224	2 x 24	6.4	T5

Example order code:
WSL224/FP01 – A 2 x 24 watt T5 Eye Performer 600 x 600 luminaire which dims between 10% and 100% depending on presence and daylight detected by integral PIR. Supplied without lamps.

Applications:

- New office builds
- Reception areas
- Commercial offices
- Opticians and doctors surgeries
- Meeting rooms
- Retail applications

Installation

Exposed T	✔
Plasterboard	✔
Metal Pan	✔
Surface	✖
Suspended	✖

Speed Wiring

/TW3 - 3 way
/TW4 - 4 way
/TW6 - 6 way

See Page 214-215 for details

Intelligent Options

Our technical team can help you to design a practical solution for your specific needs.
Please contact us so that we can assist you to consider the best options from our full range of lighting controls.

Gear options

/M3: 3hr Emergency
/S3: Self Test Emergency

EYE ECLIPSE

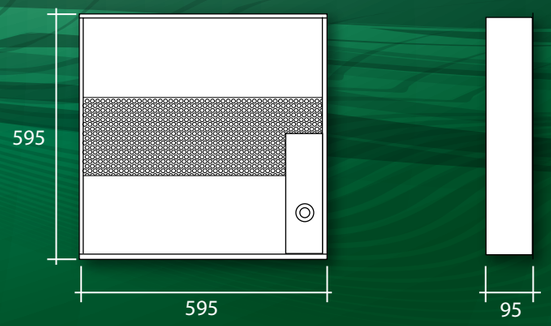
RECESSED FLUORESCENT LUMINAIRES - WITH BUILT IN PRESENCE AND DAYLIGHT DETECTION

For general commercial application

The Eye Eclipse is a popular and efficient alternative to louvred products and is available with either a plain perforated diffuser or aluminium louvre.

This attractive luminaire creates a subtle lighting effect utilising an involute reflector system, which allows a combination of direct and indirect lighting and stylish design.

Designed and manufactured to comply with EN 60598 and is CE certified.

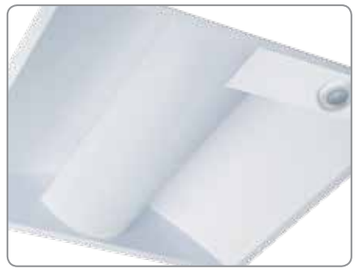


Lamp Options

PL-L: Compact Fluorescent

Applications:

- Offices
- Shops
- Corridors
- Commercial applications
- Reception areas



Eclipse Lunar Perforated Basket

Eclipse Solar Aluminium Louvre

Eclipse Lunar Drop Basket 2

Eclipse Solar 2

Product Specification

- High frequency control gear
- Fitted with a fused terminal block
- Direct/Indirect luminaire for optimum visual comfort
- Available with perforated downlight panel or parabolic louvre insert
- Powder coated RAL9010
- The ECLE versions can be layed into 15mm and 24mm T-Bar ceilings only
- An ECA compliance calculator is available on our website to verify compliance of this or any other luminaire with the latest ECA standard

Intelligent Options

(Add suffix to order code)

Integral Sensor
/FP01: PIR with 10% on standby

/FSLV: Slave luminaire for use with /FP01 master luminaire

Remote Sensor
/DSLV: Slave luminaire for use with remote sensor SEN-M10 for presence detection and daylight linking

Optional Accessories

SEN-M10: Presence detection and daylight linking sensor for use with /DSLV. Cannot be used in conjuction with /FP01 or /FSLV

Optional Features

(Add suffix to order code)

PU/: Replace ECLE prefix with ECLA for pull-up version that can be installed into T-Bar, plasterboard and concealed fix ceilings with the use of the SB4 suspension brackets

/LFIX: Supplied with Lumafix side arm brackets

/840: Supplied with colour 840 lamps

Order Codes (must include a Suffix from the Intelligent Options)

Excluding Lamps

Eclipse Lunar Perforated Basket

Order Code	*Watt*	*Kg*	*Lamp*
ECLE1PL40	1 x 40	6.4	PL-L
ECLE1PL55	1 x 55	6.4	PL-L
ECLE2PL40	2 x 40	6.4	PL-L
ECLE2PL55	2 x 55	6.4	PL-L

Eclipse Solar Aluminium Louvre

Order Code	*Watt*	*Kg*	*Lamp*
ECLE1PL40/AL	1 x 40	6.4	PL-L
ECLE1PL55/AL	1 x 55	6.4	PL-L
ECLE2PL40/AL	2 x 40	6.4	PL-L
ECLE2PL55/AL	2 x 55	6.4	PL-L

Eclipse Lunar Drop Basket 2

Order Code	*Watt*	*Kg*	*Lamp*
ECLE2PL40/DB	2 x 40	6.4	PL-L
ECLE2PL55/DB	2 x 55	6.4	PL-L

Eclipse Solar 2

Order Code	*Watt*	*Kg*	*Lamp*
ECLA2PL40/DB/AL	2 x 40	6.4	PL-L
ECLA2PL55/DB/AL	2 x 55	6.4	PL-L

Example order code:
ECLE2PL40/FP01 – A 2 x 40 watt PL-L Eye Eclipse Lunar 600 x 600 luminaire with perforated basket which dims between 10% and 100% depending on presence and daylight detected by integral PIR. Supplied without lamps.

Installation

Exposed T	✔
Plasterboard	✔
Metal Pan	✔
Surface	✖
Suspended	✖

Speed Wiring

/TW3 - 3 way
/TW4 - 4 way
/TW6 - 6 way

See Page 214-215 for details

Intelligent Options

Our technical team can help you to design a practical solution for your specific needs.
Please contact us so that we can assist you to consider the best options from our full range of lighting controls.

Gear options

/M3: 3hr Emergency
/S3: Self Test Emergency

TEL 08448 475100 FAX 08448 475101

Photometric data is available on-line for DiaLux and ReLux

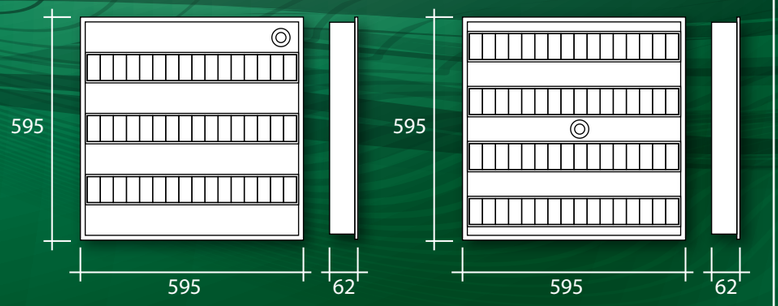
EYE DIRECTOR

RECESSED FLUORESCENT LUMINAIRES - WITH BUILT IN PRESENCE AND DAYLIGHT DETECTION

For general commercial application

A new generation of direct/indirect recessed fluorescent luminaires producing high levels of illumination. Ideally suited to applications where an even glare free environment is required.

Designed and manufactured to comply with EN 60598 and is CE certified.



Lamp Options

T5: 16mm Fluorescent Tubes

Product Specification

- High effeciency T5 luminaire
- Lay in as standard, pull up version optional.
- Flat steel as standard, perforated steel optional
- Mat louvre as standard, specular louvre optional
- Slim profile ideally suited for ceiling voids with limited access
- Suitable for both 15 and 25mm exposed "T" ceiling systems
- Powder coated white to RAL9003
- Quick release louvre for ease of installation and lamp change
- Part L2 2010 compliant
- An ECA compliance calculator is available on our website to verify compliance of this or any other luminaire with the latest ECA standard

Intelligent Options

(Add suffix to order code)

Integral Sensor
/FP01: PIR with 10% on standby

/FSLV: Slave luminaire for use with /FP01 master luminaire

Remote Sensor
/DSLV: Slave luminaire for use with remote sensor SEN-M10 for presence detection and daylight linking

Optional Accessories

SEN-M10: Presence detection and daylight linking sensor for use with /DSLV. Cannot be used in conjuction with /FP01 or /FSLV

Optional Features

(Add suffix to order code)

/PU: Pull up version

/PB: Perforated steel

/SL: Specular louvre

/840: Supplied with colour 840 lamps

Order Codes (must include a Suffix from the Intelligent Options)

Excluding Lamps

Order Code	*Watt*	*Kg*	*Lamp*
DIR314	3 x 14	6.4	T5
DIR324	3 x 24	6.4	T5
DIR414	4 x 14	6.4	T5
DIR424	4 x 24	6.4	T5

Example order code:
DIR324/FP01 – A 3 x 24 watt T5 Eye Director 600 x 600 luminaire which dims between 10% and 100% depending on presence and daylight detected by integral PIR. Supplied without lamps.

Applications:

- New office builds
- Reception areas
- Commercial offices
- Opticians and doctors surgeries
- Meeting rooms
- Retail applications

Installation

Exposed T	✔
Plasterboard	✔
Metal Pan	✔
Surface	✖
Suspended	✖

Speed Wiring
/TW3 - 3 way
/TW4 - 4 way
/TW6 - 6 way

See Page 214-215 for details

Intelligent Options

Our technical team can help you to design a practical solution for your specific needs.
Please contact us so that we can assist you to consider the best options from our full range of lighting controls.

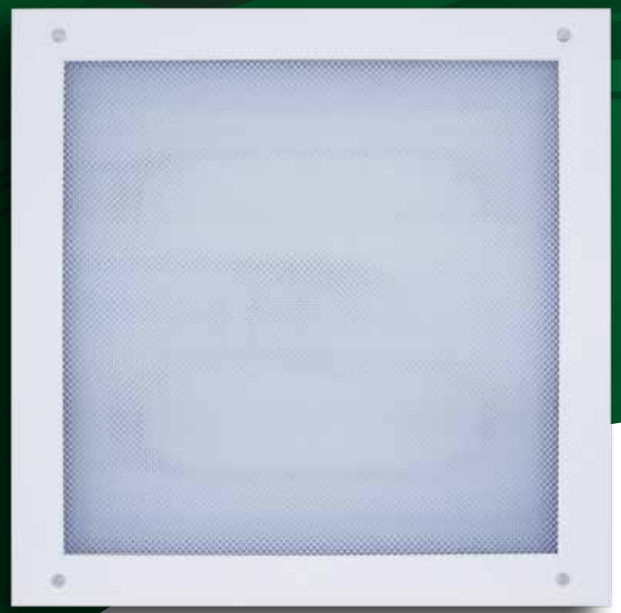
Gear options
/M3: 3hr Emergency
/S3: Self Test Emergency

Photometric data is available on-line for DiaLux and ReLux

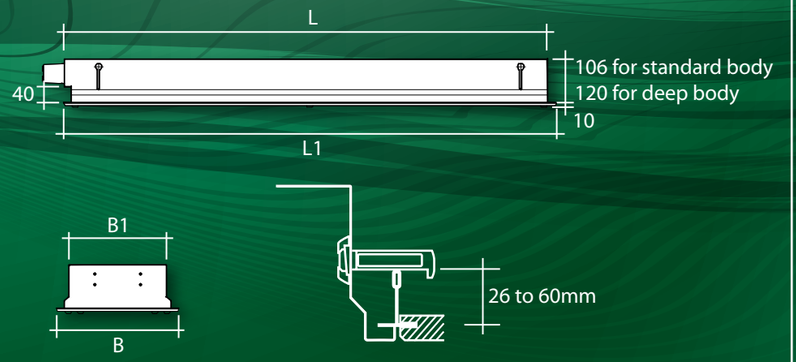
EYE PROTEX IP54

RECESSED FLUORESCENT LUMINAIRES - WITH BUILT IN PRESENCE AND DAYLIGHT DETECTION

For healthcare, clean rooms and leisure application



Recessed Eye Protex luminaire complete with IP54 attachment.



Applications:

- Store rooms
- Clean rooms
- Healthcare buildings
- Leisure centres

Product Specification

- Certified ingress protection to IP54
- High frequency control gear
- Prismatic diffuser supplied as standard
- Rigid modular shape metalwork
- Fitted with a fused terminal block
- Finished in a Pearl Rezi-Tex coating
- Excluding lamp
- An ECA compliance calculator is available on our website to verify compliance of this or any other luminaire with the latest ECA standard

Intelligent Options

(Add suffix to order code)

/FM21: Microwave with 10% on standby

/FSLV: Slave luminaire for use with /FM21 master luminaire

Optional Features

(Add suffix to order code)

/OPAL: Supplied with opal diffuser

/840: Supplied with colour 840 lamps

Optional Accessories

UVM/LFBK: Lumifix brackets kit (4 in No)

/IP65: Supplied with suitable attachment for ingress protection to IP65

Lamp Options

T5: 16mm Fluorescent Tubes

PL-L: Compact Fluorescent

Order Codes (must include a Suffix from the Intelligent Options)

Excluding Lamps

PL-L

Order Code	*Watt*	*L*	*B*	*L1*	*B1*
UVM2PL40/IP54	2 x 40	598	598	580	580
UVM2PL55/IP54	2 x 55	1198	298	1180	280

T5

Order Code	*Watt*	*L*	*B*	*L1*	*B1*
UVM314/IP54	3 x 14	598	598	580	580
UVM328/IP54	3 x 28	1198	598	1180	580
UVM414/IP54	4 x 14	598	598	580	580
UVM428/IP54	4 x 28	1198	598	1180	580

Example order code:
UVM428/IP54/FM21 – A 4 x 28 watt T5 Eye Protex 600 x 600 luminaire which dims between 10% and 100% depending on presence and daylight detected by integral microwave with an IP54 attachment. Supplied without lamps.

Installation

Exposed T	✔
Plasterboard	✔
Metal Pan	✔
Surface	✖
Suspended	✖

Speed Wiring
/TW3 - 3 way
/TW4 - 4 way
/TW6 - 6 way

See Page 214-215 for details

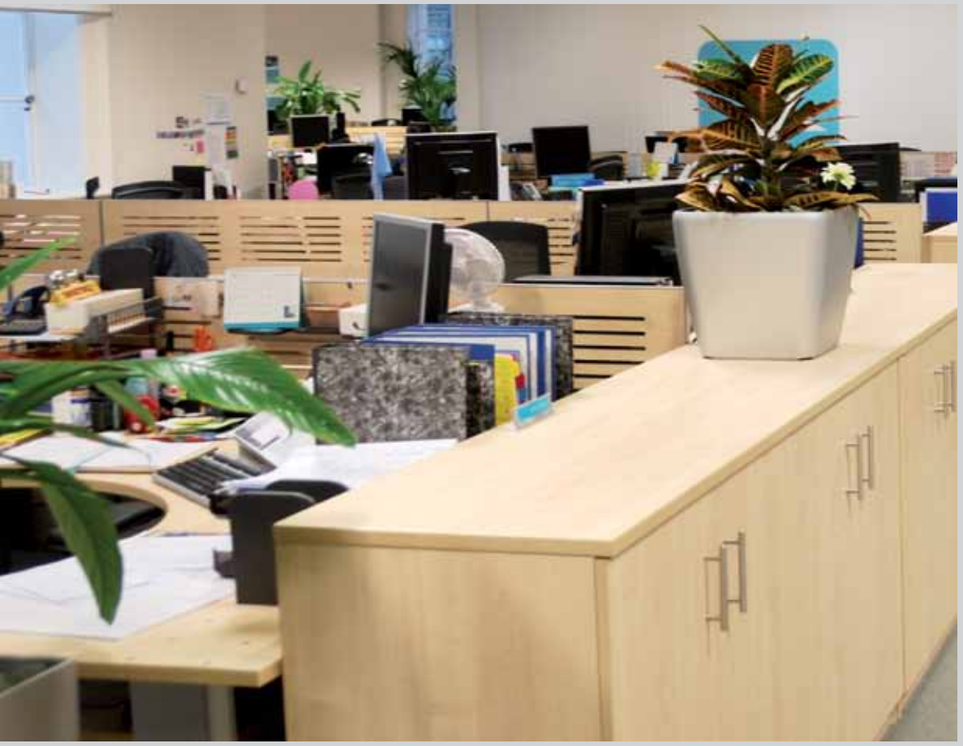
Intelligent Options

Our technical team can help you to design a practical solution for your specific needs.
Please contact us so that we can assist you to consider the best options from our full range of lighting controls.

Gear options
/M3: 3hr Emergency
/S3: Self Test Emergency

Photometric data is available on-line for DiaLux and ReLux

Linear



EYEP65 GRP

Pages 144-145

EYE PACK

Pages 146-147

EYE MUNICIPAL

Pages 148-149

EYE LIBRARIAN

Pages 150-151

EYE PACK ACCESSORIES

Pages 152-153

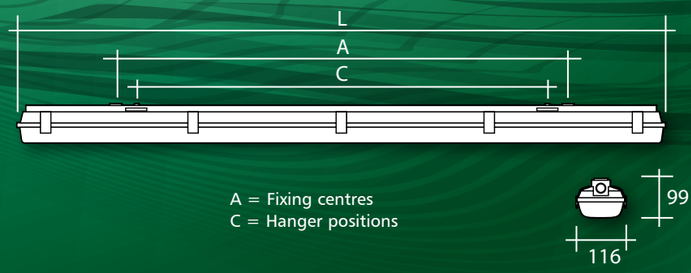
Wirefield offers energy saving solutions for every commercial and industrial environment. Our range of linear T5 fittings will help you to minimise your energy usage with the mimimum amount of planning and rewiring. Choose from three strategies: Individual sensors in each fitting, sharing sensors by hard-wiring a control cable between luminaires and sharing sensors by using RF wireless links.

EYEP65 GRP

CORROSION RESISTANT FLUORESCENT LUMINAIRES - WITH BUILT IN PRESENCE AND DAYLIGHT DETECTION
For general, industrial and commercial application

Integral Microwave presence detection. Up to 5m radius depending on the installation and environment. GRP body for permanent and arduous industrial & commercial applications. Heavy duty, long service life luminaire for mounting directly onto walls and ceilings. Also available with fixing clips for quick ceiling - or trunking mounting.

Designed and manufactured to comply with EN 60598 and are CE certified.



A = Fixing centres
C = Hanger positions

POLYCARBONATE DIFFUSER

Single

Twin

Applications:

- Warehousing
- Food preparation areas
- Manufacturing plants
- Cold stores
- Multi storey car parks
- Retail Superstores
- Under canopy lighting

Ambient temperature guidance

High frequency	-25˚C - +30˚C
Integral emergency	0˚C - +25˚C
10% standby	0˚C - +30˚C

Product Specification

- Please see page 10 for full specification of body and difusser
- Operates at 100% when presence is detected and afterwards for a adjustable delay then at 10%. Bright-out facility so that luminaire can be set to stay at 10% when sufficient daylight is available
- Master/Slave Wiring: A mixture of sensor and non-sensor luminiares can be connected together so that the whole run operates in unison based on presence on any one or more sensors
- Microwave shown is for illustration only
- T5 lamps only. All fittings supplied in twin body width
- An ECA compliance calculator is available on our website to verify compliance of this or any other luminaire with the latest ECA standard

PCR Retrofit Geartrays

If you have supplied or installled our GRP fittings in the past, or previous versions such as the PCR range, why not upgrade to EYE technology by simply changing the geartray?

For example

GT-PCR135/FM21/X258 1 x 35W
35W Geartray with sensor to retrofit into a 2 x 58W PCR lumianire

GT-GRP149/FM21/X258 1 x 49W
49W Geartray with sensor to retrofit into a 2 x 58W GRP lumianire

Intelligent Options

(Add suffix to order code)

/FM21: Microwave with 10% on standby

/FSLV: Slave luminaire for use with /FM21 master luminaire and optional remote sensors

Optional Accessories

SEN-M6: Remote IP65 sensor

SEN-M2: Remote directional sensor

Optional Features

(Add suffix to order code)

/AR: Aisle Reflector. Full parabolic mirror reflector increasing downward light by 50% for use in warehouse aisles

/OFF: Special versions are available that switch off after a further delay

/FTB: Fused terminal block

/840: Supplied with colour 840 lamps

/TH: Thermal protection for lamps

Intelligent Options

Our technical team can help you to design a practical solution for your specific needs.
Please contact us so that we can assist you to consider the best options from our full range of lighting controls.

Lamp Options

T5: 16mm Fluorescent Tubes

"Our fittings being GRP, are more suitable than any of our competitors for use outdoors, but no fitting of this type will give it's full service life if exposed directly to rain and/or direct sunlight"

Order Codes (must include a Suffix from the Intelligent Options)

Excluding Lamps

T5 Tube

Order Code	*Watt*	*L*	*A*	*C*	*Body*
GRP128	1 x 28	1277	800	700	Twin
GRP154	1 x 54	1277	800	700	Twin
GRP135	1 x 35	1577	1100	1000	Twin
GRP149	1 x 49	1577	1100	1000	Twin
GRP180	1 x 80	1577	1100	1000	Twin
GRP228	2 x 28	1277	800	700	Twin
GRP235	2 x 35	1577	1100	1000	Twin
GRP249	2 x 49	1577	1100	1000	Twin

Example order code:
GRP135/FM21 – A 1 x 35 T5 EYEP65 GRP 5ft luminaire which dims between 10% and 100% depending on presence and daylight detected by integral microwave. Supplied without lamps.

See page 10 for full details of options and accessories for GRP luminaires.

Gear options
/M3: 3hr Emergency
/S3: Self Test Emergency

EYE PACK

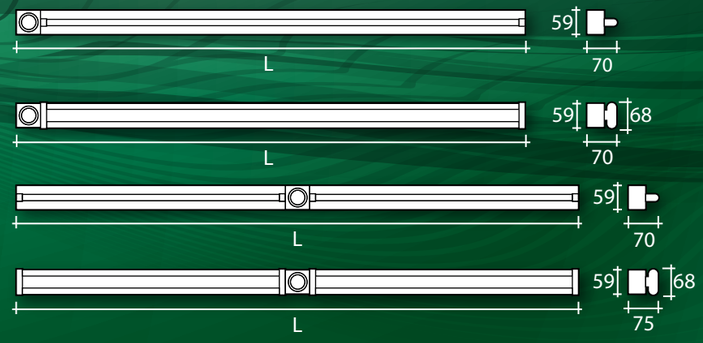
FLUORESCENT BATTEN STYLE LUMINAIRES - WITH BUILT IN PRESENCE AND DAYLIGHT DETECTION

For general, industrial and commercial application

SINGLES & TWINS 4ft-8ft

Operates at 100% when presence is detected and afterwards for 10 seconds to 12 minutes (Adjustable on site) then at 10% or off. Bright-out facility so that luminaire can be set to stay at 10% (or OFF) when sufficient daylight is available. Total Off facility (factory option) allows the luminaire to be set to initially dim to 10% then completely switch off after a further delay of up to 40 minutes.

Designed and manufactured to comply with EN 60598 and are CE certified.



Lamp Options

T5: 16mm Fluorescent Tubes

Single

Twin

Applications:

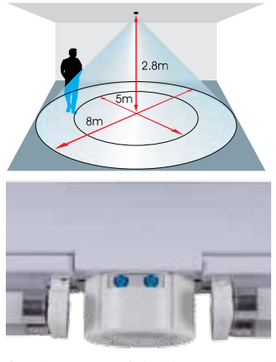
- Stockrooms
- Corridors
- Plant rooms
- Retro fit for T8 and T12

Ambient temperature guidance

High frequency	-25˚C - +30˚C
Integral emergency	0˚C - +25˚C
10% standby	0˚C - +30˚C

Product Specification

- Operates at 100% when presence is detected and afterwards for a adjustable delay then at 10%. Bright-out facility so that luminaire can be set to stay at 10% when sufficient daylight is available
- Master/Slave Wiring: A mixture of sensor and non-sensor luminiares can be connected together so that the whole run operates in unison based on presence on any one or more sensors
- Roll-formed steel batten, powder coated after manufacture
- PIR and ballast with 5 year manufacturer's warranty
- Supplied with colour 840 lamps
- Uses standard reflectors and wire guards
- An ECA compliance calculator is available on our website to verify compliance of this or any other luminaire with the latest ECA standard



Integral PIR presence detection. Up to 8 metre radius depending on installation and environment.

Intelligent Options

(Add suffix to order code)

/FP01: PIR with 10% on standby

/FP07: PIR with extended delay up to 30 minutes

/FSLV: Slave luminaire for use with /FP01 or /FP07 master luminaire

Optional Features

(Add suffix to order code)

/FTB: Fused terminal block

/MEC: Metal end caps

LP/UHR: High bay reflector use up to 8 metres

For Accessories please see page 152/153

Intelligent Options

Our technical team can help you to design a practical solution for your specific needs.
Please contact us so that we can assist you to consider the best options from our full range of lighting controls.

Order Codes (must include a Suffix from the Intelligent Options)

Including Lamps

T5 Singles

Order Code	*Watt*	*L*	*Body*
LP128/840	1 x 28	1221	4ft
LP154/840	1 x 54	1221	4ft
LP135/840	1 x 35	1541	5ft
LP149/840	1 x 49	1541	5ft
LP180/840	1 x 80	1541	5ft
LP6221/840	2 x 21	1784	6ft
LP6238/840	2 x 39	1784	6ft
LP8228/840	2 x 28	2394	8ft
LP8254/840	2 x 54	2394	8ft

T5 Twins

Order Code	*Watt*	*L*	*Body*
LP228/840	2 x 28	1221	4ft
LP254/840	2 x 54	1221	4ft
LP235/840	2 x 35	1521	5ft
LP249/840	2 x 49	1521	5ft
LP280/840*	2 x 80	1521	5ft
LP6421/840	4 x 21	1784	6ft
LP6439/840	4 x 39	1784	6ft
LP8428/840	4 x 28	2394	8ft
LP8454/840	4 x 54	2394	8ft

* This fitting is always supplied with metal end caps

Example order code:

LP135/840/FP01 – A 1 x 35 watt T5 Eye Pack 5ft luminaire which dims between 10% and 100% depending on presence and daylight detected by integral PIR. Supplied complete with lamps.

Gear options

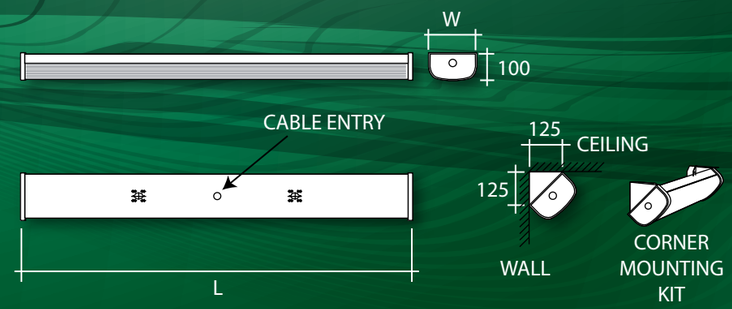
/M3: 3hr Emergency
/S3: Self Test Emergency

EYE MUNICIPAL

CONTEMPORARY FLUORESCENT LIGHTING - WITH BUILT IN PRESENCE AND DAYLIGHT DETECTION
For general and commercial application

The Eye Municipal range features a low profile body and diffuser, meeting the stringent requirements of educational establishments and healthcare applications. This luminaire is fitted as standard with high frequency ballast for improved energy efficiency, flicker free operation and instant start.

Designed and manufactured to comply with EN 60598 and are CE certified.



Lamp Options

T5: 16mm Fluorescent Tubes

Microwave Sensor

Applications:

- Hospitals
- Colleges
- Circulation areas

Product Specification

- Certified ingress protection to IP40
- Supplied with colour 840 lamps
- Wipe clean Smooth Diffusser (internally reeded)
- Removable gear tray
- Screw fixed polycarbonate endcaps ensure protection from unauthorised tampering
- High frequency control gear
- Body powder coated white with polycarbonate end-caps
- An ECA compliance calculator is available on our website to verify compliance of this or any other luminaire with the latest ECA standard

Intelligent Options

(Add suffix to order code)

/FM21: Microwave with 10% on standby

/FSLV: Slave luminaire for use with /FM21 master luminaire

Optional Accessories

HSPCMK: Corner mounting kit

Order Codes (must include a Suffix from the Intelligent Options)

Including Lamps

T5 Tube - HF as standard

Order Code	*Watt*	*L*	*W*	*Lamp*
MUN128/840	28	1220	180	T5
MUN135/840	35	1520	180	T5
MUN149/840	49	1520	180	T5
MUN154/840	54	1220	180	T5
MUN180/840	80	1520	180	T5

Example order code:
MUN128/840/FM21 – A 28 watt T5 Eye Municipal 5ft luminaire which dims between 10% and 100% depending on presence and daylight detected by integral microwave. Supplied complete with lamps.

Intelligent Options

Our technical team can help you to design a practical solution for your specific needs.
Please contact us so that we can assist you to consider the best options from our full range of lighting controls.

Gear options
/M3: 3hr Emergency
/S3: Self Test Emergency

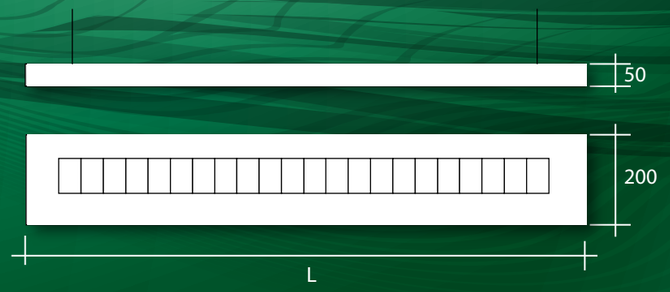
EYE LIBRARIAN

LINEAR FLUORESCENT LUMINAIRES - WITH BUILT IN PRESENCE AND DAYLIGHT DETECTION

For interior commercial application

Librarian lighting rafts are available in standard and custom lengths with a range of suspension and connecting accessories. Lighting elements include directional gimbals, asymmetrical wallwashers, direct and indirect T5 louvres. Lighting controls for presence and/or daylight linking can be incorporated together with emergency lighting options.

DIRECT and DIRECT/INDIRECT



Lamp Options

T5: 16mm Fluorescent Tubes

WALLWASH

SINGLE GIMBAL

EMERGENCY EDGE-LIT SIGN

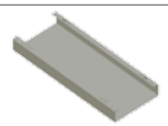
Applications:

- Offices
- Shops
- Boardrooms
- Meeting rooms
- Showrooms

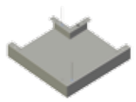
LIB/SUSP/1,3,6M

LIB/JOINER

LIB/ENDPLATE



LIB/INFILL/length



LIB/CORNER

Product Specification

- Standard finish satin white.
- Adjustable suspension clutches and Plug and Play wiring are supplied for speed of installation

Intelligent Options

For sensor and control options please contact our technical team

Optional Features

(Add suffix to order code)

/840: Supplied with colour 840 lamps

/SS: Satin silver finish

Special options include:-

- CDM-TC or LED Gimbal spotlights;
- Asymetric wallwashing reflectors
- Emergency downlights and exit signs.

See opposite for suspension and joiner kits

Order Codes

Excluding Lamps

Direct/Indirect

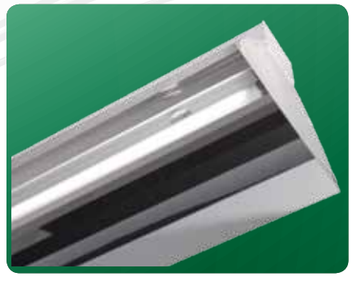
Order Code	*Watt*	*L*	*Lamp*
LIB121	1 x 21	1200	T5
LIB139	1 x 39	1200	T5
LIB239	2 x 39	1200	T5
LIB128	1 x 28	1500	T5
LIB154	1 x 54	1500	T5
LIB254	2 x 54	1500	T5
LIB135	1 x 35	1800	T5
LIB149	1 x 49	1800	T5
LIB249	2 x 49	1800	T5
LIB180	1 x 80	1800	T5
LIB280	2 x 80	1800	T5

Example order code:
LIB135/840 – A 1 x 35 watt T5 Direct/indirect Librarian luminaire. Supplied without lamps.

Intelligent Options

Our technical team can help you to design a practical solution for your specific needs.
Please contact us so that we can assist you to consider the best options from our full range of lighting controls.

TEL 08448 475100 FAX 08448 475101



ULTRA HIGH RACK REFLECTORS

High peak intensity for use at very high levels and in warehouse aisles.

Order Codes

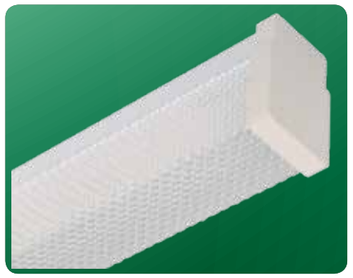
Order Code	*L*	*W*	*Info*
LP/UHR14/24/EYE	586	76	T5 Eye Pack UHR reflector
LP/UHR21/39/EYE	886	76	T5 Eye Pack UHR reflector
LP/UHR28/54/EYE	1186	76	T5 Eye Pack UHR reflector
LP/UHR35/49/80/EYE	1486	76	T5 Eye Pack UHR reflector

T5 TROUGH STEEL REFLECTORS

A trough reflector suitable for use with single and twin lamp T5 Eye Pack luminaires. Manufactured from mild steel in a resilient white finish. This product is not designed to withstand onerous impacts from footballs/basketballs.

Order Codes

Order Code	*L*	*W*	*Info*
LPR14/24/EYE	566	163	T5 Eye Pack Trough Steel Reflector
LPR21/39/EYE	866	163	T5 Eye Pack Trough Steel Reflector
LPR28/54/EYE	1166	163	T5 Eye Pack Trough Steel Reflector
LPR35/49/80/EYE	1466	163	T5 Eye Pack Trough Steel Reflector



T5 PRISMATIC CONTROLLERS

A range of prismatic controllers extruded from ultraviolet polystyrene material for use with the T5 Eye Pack range.

Order Codes

Order Code	*L*	*W*	*Info*
LPC14/24/EYE	586	76	T5 Eye Pack Prismatic Controller
LPC21/39/EYE	886	76	T5 Eye Pack Prismatic Controller
LPC28/54/EYE	1186	76	T5 Eye Pack Prismatic Controller
LPC35/49/80/EYE	1486	76	T5 Eye Pack Prismatic Controller

This is fitted at the point of manufacture, so must be ordered at the same time as the fitting and cannot be ordered as a seperate accessory.

T5 HI LITE ALUMINIUM REFLECTORS

A polished aluminium reflector developed for use with single and twin T5 Eye Pack luminaires to produce best performance in high racking situations.

Order Codes

Order Code	*L*	*W*	*Info*
LPSR14/24/EYE	583	125	T5 Eye Pack Hi Lite Aluminium Reflector
LPSR21/39/EYE	883	125	T5 Eye Pack Hi Lite Aluminium Reflector
LPSR28/54/EYE	1220	125	T5 Eye Pack Hi Lite Aluminium Reflector
LPSR/49/80/EYE	1183	125	T5 Eye Pack Hi Lite Aluminium Reflector

T5 WIRE GUARD ATTACHMENTS

Wire guards clip onto metal reflector ensuring robust construction for lamp protection.

Order Codes

Order Code	*L*	*W*	*Info*
LP/WG14/24/EYE	594	138	T5 Eye Pack Wire Guard
LP/WG21/39/EYE	924	138	T5 Eye Pack Wire Guard
LP/WG28/54/EYE	1204	138	T5 Eye Pack Wire Guard
LP/WG35/49/80/EYE	1509	138	T5 Eye Pack Wire Guard

Amenity

EYED IP20

Pages 156-157

EYE PORTAL IP65

Pages 158-159

EYE VESTIGE IP65

Pages 160-161

EYE CIRCULUX

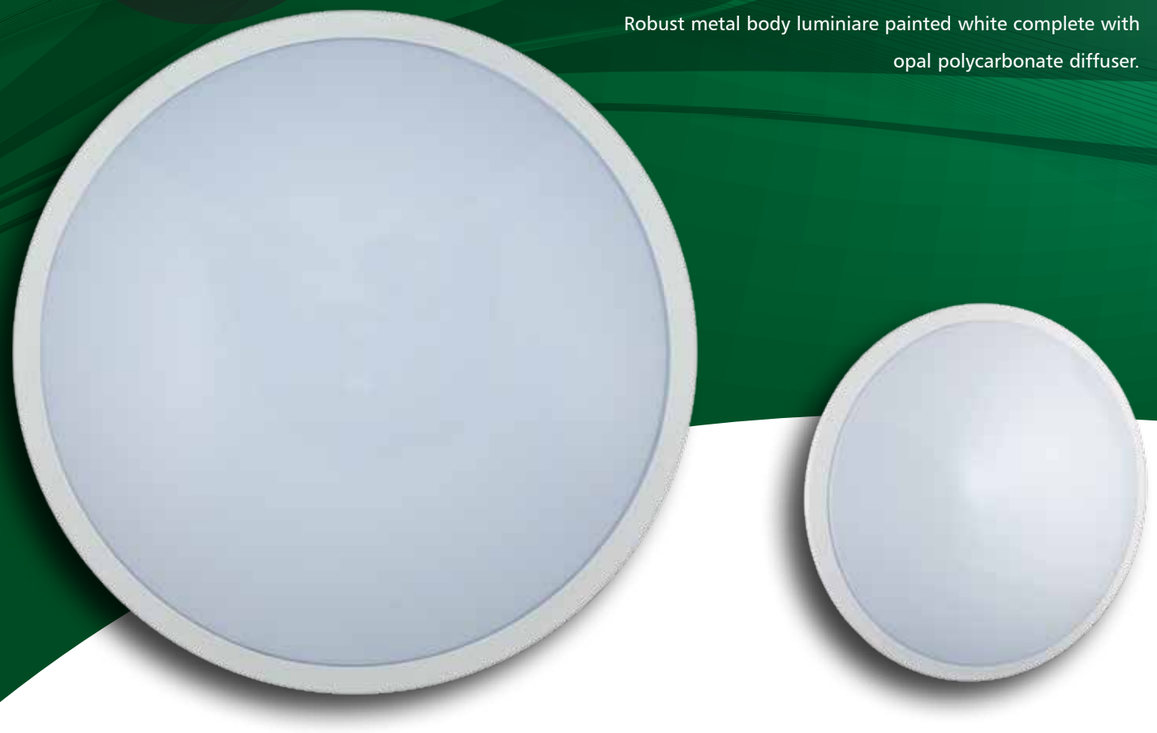
Pages 162-163

Amenity lighting is often installed in areas with very low occupancy and is often left switched on all night and sometimes all day. Adding controls to take advantage of absence and daylight not only saves most of the energy but also shows people that you care.

EYED IP20

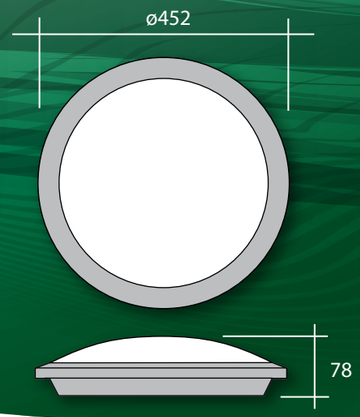
AMENITY LUMINAIRE - WITH BUILT IN PRESENCE DETECTION

For general, commercial and semi-decorative application



Robust metal body luminiare painted white complete with opal polycarbonate diffuser.

Designed and manufactured to comply with EN 60598 and are CE certified.



Lamp Options

T5C: Circular

Product Specification:

- Certified ingress protection to IP20
- Powder coated after manufacture
- Operates at 100% when presence is detected and afterwards for a adjustable delay then at 10%. Bright-out facility so that luminaire can be set to stay at 10% when sufficient daylight is available
- Master/Slave Wiring: A mixture of sensor and non-sensor luminiares can be connected together so that the whole run operates in unison based on presence on any one or more sensors
- An ECA compliance calculator is available on our website to verify compliance of this or any other luminaire with the latest ECA standard

Intelligent Options

(Add suffix to order code)

/FM21: Microwave with 10% on standby

/FSLV: Slave luminaire for use with /FM21 master luminaire and optional remote sensors

Optional Features

(Add suffix to order code)

/CP: Clear Prismatic Diffuser Option

Order Codes (must include a Suffix from the Intelligent Options)

Including Lamps

Order Code	*Watt*	*Lamp*
ID22	22	T5C
ID40	40	T5C
ID55*	55	T5C

* Integral emergency not available for 55 watt.

Example order code:
ID55/FM21/M3 – A 1 x 55W T5C White Circular luminaire with 3hr emergency pack which dims between 10% and 100% depending on presence and daylight detected by integral microwave. Supplied complete with lamp.

Applications:

- Stairwells
- Corridors
- Receptions
- Toilets

Intelligent Options

Our technical team can help you to design a practical solution for your specific needs.
Please contact us so that we can assist you to consider the best options from our full range of lighting controls.

Gear options

/M3: 3hr Emergency
/S3: Self Test Emergency

EYE PORTAL IP65

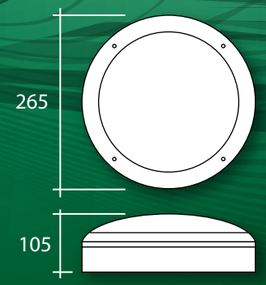
AMENITY BULKHEAD LUMINAIRE - WITH BUILT IN PRESENCE DETECTION

For general, commercial and semi decorative application

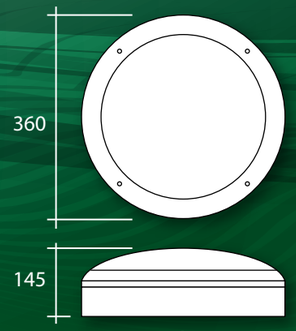
IP65 Surface mounted luminaire constructed of die cast aluminium housing and front ring cover with UV stabilised polycarbonate vandal resistant diffuser.

Available in Black Finish and Aluminium Finish.

Designed and manufactured to comply with EN 60598 and are CE certified.



Eye Portal IP65 265



Eye Portal IP65 360

Applications:

- Schools & Universities
- Building perimeters
- Hospitals
- Under canopy application

Product Specification

- Certified ingress protection to IP65
- High frequency control gear supplied as standard
- Powder coated black as standard
- Die cast aluminium construction
- Opal UV stabilised polycarbonate diffuser
- Operates at 100% when presence is detected and afterwards for a adjustable delay then at 10%. Bright-out facility so that luminaire can be set to stay at 10% when sufficient daylight is available
- Master/Slave Wiring: A mixture of sensor and non-sensor luminiares can be connected together so that the whole run operates in unison based on presence on any one or more sensors
- An ECA compliance calculator is available on our website to verify compliance of this or any other luminaire with the latest ECA standard

Intelligent Options

(Add suffix to order code)

/FM21: Microwave with 10% on standby

/FSLV: Slave luminaire for use with /FM21 master luminaire and optional remote sensors

Optional Features

(Add suffix to order code)

/AL: Aluminium finish

Lamp Options

T5C: Circular

TC-D: Compact Fluorescent

LED: Light Emitting Diode

Order Codes (must include a Suffix from the Intelligent Options)

Including Lamps

Eye Portal IP65 265

Order Code	*Watt*	*Lamp*
POR18/265	18	TC-D

Eye Portal IP65 360

Order Code	*Watt*	*Lamp*
POR16/360/LED/HM01*	**16**	**LED**
POR22/360	22	T5C

* POR16/360/LED/HM01 is a standalone microwave fitting that switches on/off on presence and cannot be grouped or linked with other fittings.

Example order code:
POR22/360/FM21/M3 – A 22 watt T5-C Eye Portal IP65 black body luminaire with 3hr emergency pack, 360mm diameter which dims between 10% and 100% depending on presence and daylight detected by integral microwave. Supplied complete with lamp.

Intelligent Options

Our technical team can help you to design a practical solution for your specific needs.
Please contact us so that we can assist you to consider the best options from our full range of lighting controls.

Gear options

/M3: 3hr Emergency
/S3: Self Test Emergency

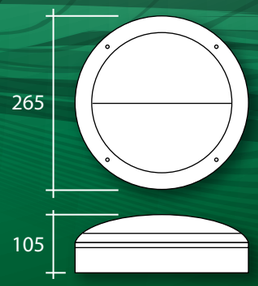
EYE VESTIGE IP65

AMENITY BULKHEAD LUMINAIRE - WITH BUILT IN PRESENCE DETECTION

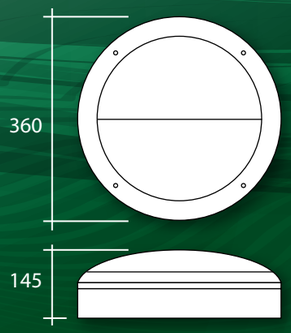
For general, commercial and vandal resistant application

IP65 surface mounted luminaire constructed of die cast aluminium housing and front (hood) cover with UV stabilised polycarbonate vandal resistant diffuser.

Designed and manufactured to comply with EN 60598 and are CE certified.



Vestige 265



Vestige 360

Applications:

- Schools & Universities
- Hotel Entrances
- Under Canopy
- Hospitals

Product Specification

- Certified ingress protection to IP65
- High frequency control gear supplied as standard
- Powder coated black as standard
- Die cast aluminium construction
- Opal UV stabilised polycarbonate diffuser
- Operates at 100% when presence is detected and afterwards for a adjustable delay then at 10%. Bright-out facility so that luminaire can be set to stay at 10% when sufficient daylight is available
- Master/Slave Wiring: A mixture of sensor and non-sensor luminiares can be connected together so that the whole run operates in unison based on presence on any one or more sensors
- An ECA compliance calculator is available on our website to verify compliance of this or any other luminaire with the latest ECA standard

Intelligent Options

(Add suffix to order code)

/FM21: Microwave with 10% on standby

/FSLV: Slave luminaire for use with /FM21 master luminaire

Optional Features

(Add suffix to order code)

/AL: Aluminium finish

Lamp Options

T5C: Circular

TC-D: Compact Fluorescent

Order Codes (must include a Suffix from the Intelligent Options)

Including Lamps

Eye Vestige 265

Order Code	*Watt*	*Lamp*
VEST18/265	18	TC-D

Eye Vestige 360

Order Code	*Watt*	*Lamp*
VEST22/360	22	T5C

Example order code:
VEST22/360/FM21 – A 22 watt T5c Eye Vestige IP65 black body luminaire, 360mm diameter which dims between 10% and 100% depending on presence and daylight detected by integral microwave. Supplied complete with lamp.

Intelligent Options

Our technical team can help you to design a practical solution for your specific needs.
Please contact us so that we can assist you to consider the best options from our full range of lighting controls.

Gear options

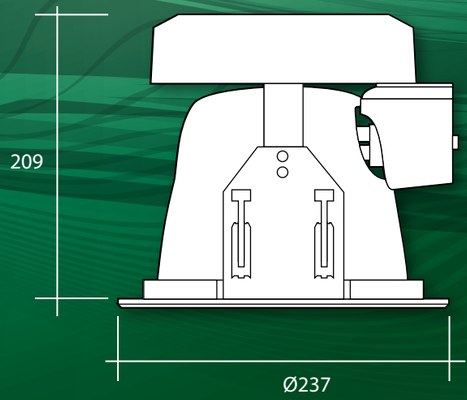
/M3: 3hr Emergency
/S3: Self Test Emergency

EYE CIRCULUX

RECESSED DOWNLIGHT - FOR REMOTE PRESENCE AND DAYLIGHT DETECTION

For general commercial application

The Eye Circulux is a bold new range of recessed downlighters. Incorporating unrivalled optics.



Cut Out: Ø222

Lamp Options

TC-TE: Compact Fluorescent
4 pin (for HF and Emergency)

Product Specification

- Certified ingress protection to IP20
- High Frequency as standard
- An ECA compliance calculator is available on our website to verify compliance of this or any other luminaire with the latest ECA standard

/UB: Universal Bezel feature must be used if an attachment is required. Please be aware that when using this feature an attachment can be fitted to the luminaire during manufacture or retro fitted on site.

Intelligent Options

For sensor and control options please contact our technical team

Optional Features

(Add suffix to order code)

/UB: Universal Bezel for Acessories

Optional Accessories

CIR/CG: Clear drop glass

CIR/65: IP65 sealed bezel

CIR/CGS: Clear glass spot

CIR/HR: Halo ring

Order Codes

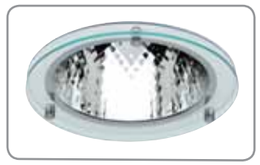
Excluding Lamps

Order Code	*Watt*	*Lamp*
CIR126	1 x 26	TC-TE
CIR132	1 x 32	TC-TE
CIR142	1 x 42	TC-TE
CIR226	2 x 26	TC-TE
CIR232	2 x 32	TC-TE
CIR242	2 x 42	TC-TE

Example order code:
CIR142/UB/CIR/CG – A 1 x 42 watt TC-TE Circulux downlight high frequency control gear and clear drop glass. Supplied without lamps.

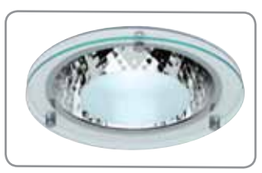
Applications:

- Corridors
- Toilets
- Receptions
- Auxiliary lighting
- Board rooms



/CG: Clear drop glass

/65: IP65 sealed bezel



CIR/CGS: Clear glass spot

CIR/HR: Halo ring

Intelligent Options

Our technical team can help you to design a practical solution for your specific needs.
Please contact us so that we can assist you to consider the best options from our full range of lighting controls.

Gear options

/M3: 3hr Emergency
/S3: Self Test Emergency

Note all emergency options are remote

High Level

EYE SOLUTION

Pages 166-167

EYE HI SPORT

Pages 168-169

EYE SOLUTION IP65

Pages 170-171

EYE ASTRA 1, 2 & 3 IP65

Pages 172-173

High level lighting traditionally used HID light sources to reduce the number of lighting points. There is still a place for HID where there is little natural daylight and high occupancy, however, in most situations using multiple High Output T5 lamps together with Lighting Controls will give the most economic solution - with up to 80% energy savings. HID lamps can also be dimmed to 50% light ouput, saving 30% to 40% of the full load.

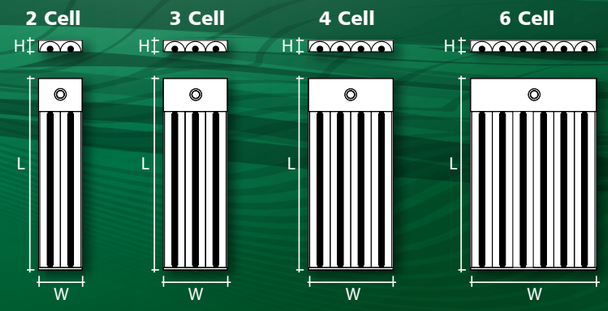
EYE SOLUTION

FLUORESCENT LUMINAIRES - WITH BUILT IN PRESENCE AND DAYLIGHT DETECTION

Alternative to Highbay/Lowbay using T5 lamps

The Eye Solution range uses T5 fluorescent lamps to provide a practical alternative to traditional industrial lighting using HID sources. It is especially suited to warehouse and industrial applications and when used in conjunction with lighting controls these fittings can deliver spectacular energy savings.

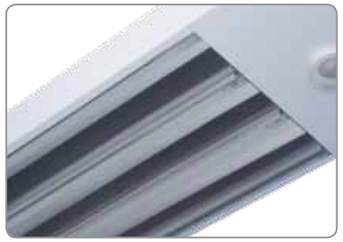
Designed and manufactured to comply with EN 60598 and are CE certified.



Lamp Options

T5: 16mm Fluorescent Tubes

SPW/WG: Wireguard



SPW/PC: Polycarbonate Cover

Applications:

- Warehouses
- Racking Aisles
- Industrial Applications
- Production Areas
- Gymnasiums
- Shopping centres with high mounting height

Product Specification

- Certified ingress protection to IP20
- Supplied complete with colour 840 lamps
- 90% LOR. Part L2 and ECA compliant
- Master/Slave Wiring: A mixture of sensor and non-sensor luminiares can be connected together so that the whole run operates in unison based on presence on any one or more sensors
- Presence detection up to 16m height
- Daylight switching or daylight linking configurations
- An ECA compliance calculator is available on our website to verify compliance of this or any other luminaire with the latest ECA standard
- Emergency version available in all order codes

Intelligent Options

For sensor and control options please contact our technical team

Optional Features

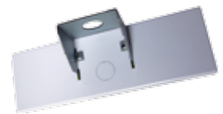
(Add suffix to order code)

/BWR: Bat wing relector for open areas with lower ceiling heights

Optional Accessories

SPW/PC: Polycarbonate cover for Solution fitting

SPW/WG: Wireguard for Solution fitting



SPW/BKT: End bracket for trunking mounting or by two point suspension

Order Codes (must include a Suffix from the Intelligent Options)

Including Lamps

Order Code	*Watt*	*L*	*W*	*H*
SPW249/840	2 x 49	1737	230	68
SPW280/840	2 x 80	1737	230	68
SPW349/840	3 x 49	1737	330	68
SPW380/840	3 x 80	1737	330	68
SPW449/840	4 x 49	1737	430	68
SPW480/840	4 x 80	1737	430	68
SPW649/840	6 x 49	1737	640	68
SPW680/840	6 x 80	1737	640	68

Example order code:
SPW480/840 – A 4 x 80 watt T5 Eye Solution luminaire with high frequency control gear. Supplied complete with lamps.

Intelligent Options

Our technical team can help you to design a practical solution for your specific needs.
Please contact us so that we can assist you to consider the best options from our full range of lighting controls.

Gear options

/M3: 3hr Emergency
/S3: Self Test Emergency

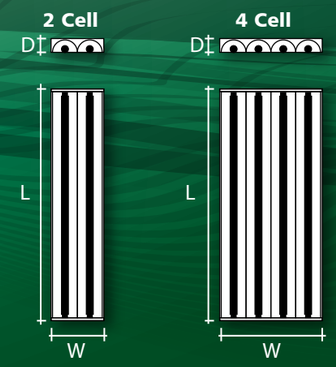
EYE HI SPORT

FLUORESCENT LUMINAIRES - WITH BUILT IN PRESENCE AND DAYLIGHT DETECTION
Alternative to Highbay/Lowbay using either T5 lamps

The Eye Hi Sport is designed to cope with the onerous sportshall and gymnasium environment. Available as Symetrical or Asymetrical Variants.

A high efficiency high output luminaire provides an ideal solution to lighting from high level mounting positions common in multi-purpose sports halls. T5 as standard this luminaire utilises the very latest components to ensure this is an energy efficient luminaire.

Designed and manufactured to comply with EN 60598 and are CE certified.



Lamp Options

T5: 16mm Fluorescent Tubes

2 x 49W Hi Sport with sensor

Applications:

- Sports Halls
- Gymnasiums
- Examination Halls

Product Specification

- Supplied with colour 840 lamps
- Reinforced steel body for greater impact resistance
- Hinged wire guard for ease of access
- Efficiency and high output T5 lamp options that typically offer a 25,000 hour lamp life
- Quick access panel for ease of installation
- An ECA compliance calculator is available on our website to verify compliance of this or any other luminaire with the latest ECA standard

Intelligent Options

For sensor and control options please contact our technical team

Order Codes

Including Lamps

T5 Tube

Order Code	*Watt*	*L*	*W*	*D*
HISP249/840	**2 x 49**	**1550**	**358**	**92**
HISP254/840	**2 x 54**	**1250**	**358**	**92**
HISP280/840	**2 x 80**	**1550**	**358**	**92**
HISP449/840	**4 x 49**	**1550**	**358**	**92**
HISP454/840	**4 x 54**	**1250**	**358**	**92**
HISP480/840	**4 x 80**	**1550**	**358**	**92**

Example order code:
HISP280/840 – A 2 x 80 watt T5 Hi Sport luminaire. Supplied complete with lamps.

Intelligent Options

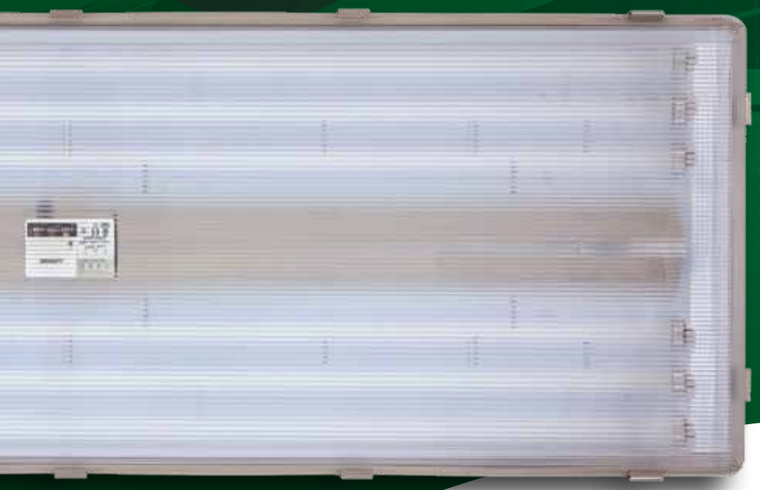
Our technical team can help you to design a practical solution for your specific needs.
Please contact us so that we can assist you to consider the best options from our full range of lighting controls.

Gear options
/M3: 3hr Emergency
/S3: Self Test Emergency

EYE SOLUTION IP65

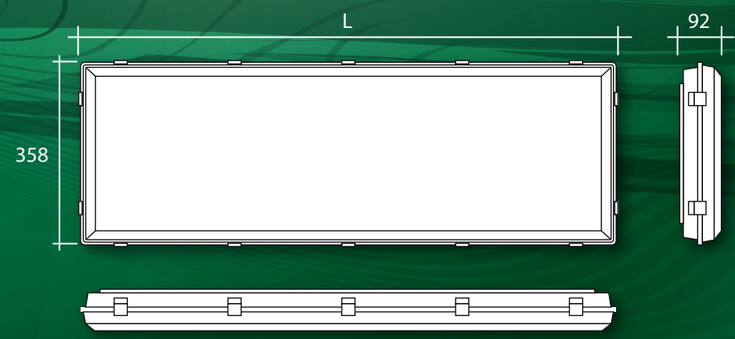
FLUORESCENT LUMINAIRES - WITH BUILT IN PRESENCE AND DAYLIGHT DETECTION

For general and commercial application



The Eye Solution IP65 luminaire gives an IP65 solution for High Level Lighting combined with the low energy and maintenance costs of T5 lamps coupled with lighting controls.

Designed and manufactured to comply with EN 60598 and are CE certified.



Lamp Options

T5: 16mm Fluorescent Tubes

Product Specification

- Certified ingress protection to IP65
- Supplied with colour 840 lamps
- Robust polycarbonate body and diffuser
- Body finished in light grey
- High frequency control gear
- Heavy gauge wire guard available
- An ECA compliance calculator is available on our website to verify compliance of this or any other luminaire with the latest ECA standard

Intelligent Options

(The suffix to order code)

/FM21: Microwave with 10% on standby

/FSLV: Slave luminaire for use with /FM21 master luminaire

Order Codes (must include a Suffix from the Intelligent Options)

Including Lamps

T5 Tube

Order Code	*Watt*	*L*	*Lamp*
SP65628/840	**6 x 28**	**1250**	**T5**
SP65454/840	**4 x 54**	**1550**	**T5**
SP65654/840	**6 x 54**	**1250**	**T5**

Example order code:
SP65654/840/FM11 – A 6 x 54 watt T5 Eye Solution IP65 luminaire which dims between 10% and 100% depending on presence and daylight detected by integral microwave. Supplied complete with lamps.

Applications:

- Sports Halls
- Gymnasiums
- Examination Halls

Intelligent Options

Our technical team can help you to design a practical solution for your specific needs.
Please contact us so that we can assist you to consider the best options from our full range of lighting controls.

Gear options

/M3: 3hr Emergency
/S3: Self Test Emergency

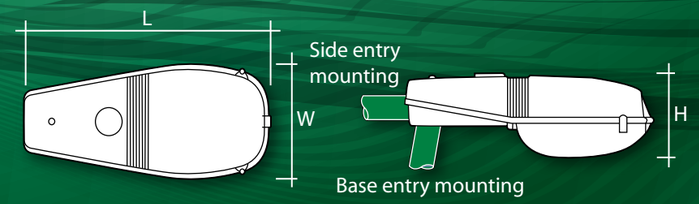
EYE ASTRA 1, 2 & 3 IP65

STREET LIGHTING LANTERN

For roadway, urban and amenity lighting

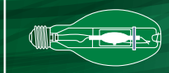
A very comprehensive family of high efficiency lanterns with an IP65 lamp compartment incorporating either metal halide or high pressure sodium lamp with power ratings from 70 watt to 400 watts. A wide range of options are also available to suit the application.

Designed and manufactured to comply with EN 60598 and are CE certified.



Lamp Options

S: Tubular High Pressure Sodium

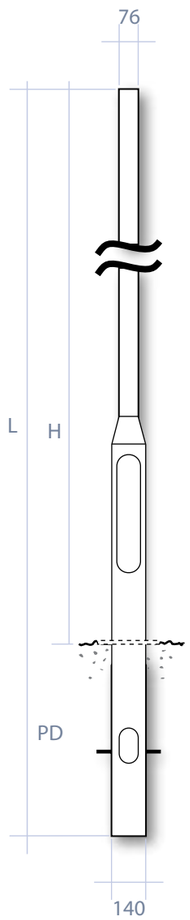


QP: Elliptical Metal Halide – Protected

SI/SE: Elliptical Diffuse High Pressure Sodium
SI = Internal Ignitor SE = External Ignitor

Applications:

- Pathway lighting
- Roadway lighting
- Car parks
- Security
- Amenity



Hot dipped galvanised Parallel Sided Poles with access door

Order Code

Root Mnt	*Flange Mnt*	*H (m)*	*L (m)*	*PD (m)*	*Kg*
COL4RM76	**COL4FM76**	4	4.8	0.8	30
COL5RM76	**COL5FM76**	5	5.5	0.8	37
COL6RM76	**COL6FM76**	6	6.7	1.0	45

Astra 1,2 & 3 are designed for 60mm poles. To use with these 76mm poles order the following adaptor: ASTRASPIG76F/60M

Product Specification

- Certified ingress protection to IP65 (lamp compartment)
- UV stabilised impact resistant polycarbonate body with powder coated cast aluminium gear tray
- Choice of three body sizes depending on wattage and installation requirements
- Impact resistant UV stabilised polycarbonate bowl
- Can be supplied base or side entry at no extra cost – specify when ordering
- High performance anodised reflector to optimise light distribution
- An ECA compliance calculator is available on our website to verify compliance of this or any other luminaire with the latest ECA standard
- **Windage guide:**
  Astra 1 - 0.09m²
  Astra 2 - 0.14m²
  Astra 3 - 0.17m²

Optional Features

(Add suffix to order code)

/NEMA: Dusk to dawn sensing photo electric cell

/FSLV: With remote sensors (order seperatly this version offers 100% operation when presence detected down to 50% with adjustable delay.

/FTB: Fused terminal block

/GF: Toughened front glass

/GB: Toughened glass bowl (Astra 2 and 3 only)

/TI: Timed ignitor to prevent lamp cycling

Note Astra spigot required if post top mounting - Order Code: ASTRASPIG76F/60M

Intelligent Options

Our technical team can help you to design a practical solution for your specific needs.
Please contact us so that we can assist you to consider the best options from our full range of lighting controls.

Order Codes

Including Lamps

Astra 1 - L485 x W245 x H180 (/GF=H125)

Order Code	*Watt*	*Kg*	*Lamp*
AST1/70S	70	3.9	SI
AST1/70QP	70	3.9	QP
AST1/100S	100	4.1	SE
AST1/100QP	100	4.1	QP

Astra 2 - L625 x W280 x H210 (/GF=H140)

Order Code	*Watt*	*Kg*	*Lamp*
AST2/150S	150	7.6	S
AST2/250S	250	8.4	S
AST2/150QP	150	5.4	QP
AST2/250QP	250	8.4	QP

Astra 3 - L690 x W300 x H235 (/GF=H165)

Order Code	*Watt*	*Kg*	*Lamp*
AST3/250S	250	9.0	S
AST3/400S	400	10.6	S
AST3/250QP	250	9.0	QP
AST3/400QP	400	10.6	QP

Special Note: When using the toughened front glass or toughened glass bowl, tubular metal halide lamps will be supplied.
Example order code:
AST2/250QP/TI/GF/NEMA – A 250 watt metal halide Astra 2 fitted with a timed ignitor, glass front, NEMA photoelectric cell and lamp.

Gear options

/TI: Timed ignitor
/ELEC: Electronic gear (150 watt only)

/DB: Dual ballast
/DT: Double tapped ballast
/V: 1-10V dimmable to 50%
/F: Electronic gear switchable to 50%
/PN: COSMO part night

/AUX: Auxiliary start up lamp
Please check with sales team for compatibility

LED

LEDs offer specific benefits over conventional light sources in certain applications; light can be focused into narrow beams without needing a deep reflector and they love operating at low temperatures. They start instantly and can be dimmed and switched without significantly shortening lamp life. LED efficacy (lumens per watt) is similar to fluorescent lighting but by focusing the light where it is needed the overall application may be more efficient.

Interior

ACRUX LED

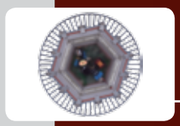
Pages 176-177

SKY-LED

Pages 178-179

CIRCU-LED

Pages 180-181



LED HIGH BAY

Pages 182-183

Amenity

STAIR-LED

Pages 192-193

DECO LED

Pages 194-195

SENTI LED

Pages 196-197

STREET LED

Pages 198-199

Exterior

GRP PRO-LED IP65

Pages 184-185

GRP FOCUS-LED IP65

Pages 186-187

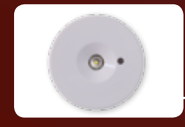
GRP TUBE-LED IP65

Pages 188-189

LED FLOODLIGHT

Pages 190-191

Emergency



SPOT-LED

Pages 200-201

BULK LED

Pages 202-203

EX LED

Pages 204-205

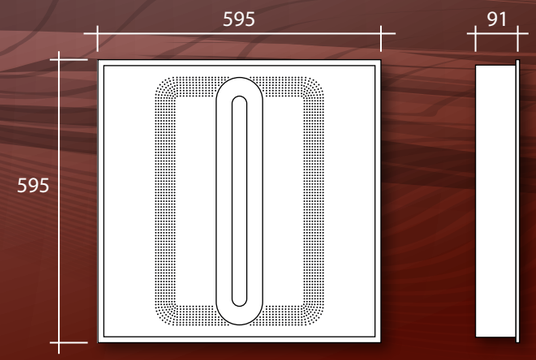
ACRUX LED

ULTRA LONG LIFE LED RECESSED LUMINAIRE

For maintenance free general, retail and commercial application

The light emanating from the LED sources and distributed using indirect reflection provides many advantages - the decisive one being the overall efficiency. Acrux LED are lights intended for installation in suspended ceilings.

The product provides full automatic testing in accordance with IEC 62034.



Product Specification

- Certified ingress protection to IP20
- Housing and shade white (RAL 9003) sheet steel with a anodized mat aluminium reflector
- Electronic control gear
- Suitable for both 15 and 25mm exposed "T" ceiling systems
- For photometry details refer to Page 219 graph ref PC046

Lamp Options

LED: Light Emitting Diode

Order Codes

Including Lamps

Order Code	*Watt*	*Lamp*
ACRUX/LED/55	55	LED

Example order code:
ACRUX/LED/55 – A 55 watt LED Acrux recessed luminaire.

Applications:

- Offices
- Reception areas
- Commercial offices
- Opticians and doctors surgeries
- Meeting rooms
- Retail applications

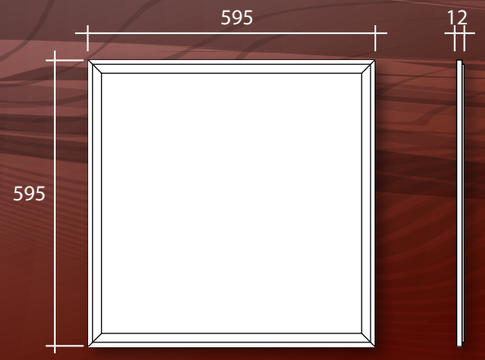
SKY-LED

ULTRA LONG LIFE LED RECESSED LUMINAIRE

For maintenance free general, retail and commercial application

LED Panels are evolving in factories all over the world. Whilst they all appear the same, the quality level varies enourmously. Sky-LED provides a balance between affordability and ongoing performance throughout its rated life.

The product provides full automatic testing in accordance with IEC 62034.



Product Specification

- Certified ingress protection to IP20
- Equivalent to a 3 X 18W T8 fluorescent tube module version
- Suitable for both 15 and 25mm exposed "T" ceiling systems

Lamp Options

LED: Light Emitting Diode

Order Codes

Including Lamps

Order Code	*Watt*	*Lamp*
SKY/LED/24/HK	13	LED

Example order code:
SKY/LED/24/HK – A 13 watt SKY-LED recessed luminaire.

Applications:

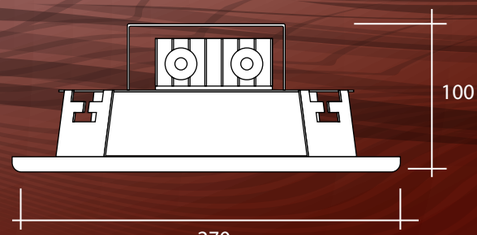
- Office Emergency Lighting
- Auditorium Emergency Lighting
- Lecture Hall Emergency Lighting

CIRCU-LED

ULTRA LONG LIFE LED DOWNLIGHT

For maintenance free general, retail and commercial application

For use in applications where downlighters are the only practical option but you would like to do something a little different. The trimless o-ring adds a touch of class to small areas which are in need of a visual lift. The Circu-LED design manages the brightness from a potentially dark ceiling, via a gentle gradient, into a central opalescent disk. Soft-spots use the principles of brightness management again to move from a low brightness ceiling through an opalescent background and on to the power of tight beamed AR111 or CDM light sources.



Cut Out: Ø240

Lamp Options

LED: Light Emitting Diode

Product Specification

- Certified ingress protection to IP20
- Available with active or passive cooling
- Stadard satin white finish
- 50,000 hour lamp life
- Clips and glass
- Aluminium housing
- Integral heat sink
- 3,000k CRI Ra 80

Optional Features

(Add suffix to order code)

/FGC: Frosted glass cover

/FGR: Frosted glass ring

Please note the standard cut out size is 240mm, however, it can be supplied for a cut out between 185 to 240mm. Please contact the sale office when ordering.

Order Codes (must include a Suffix from Optional Features for glass type)

Including Lamps

Order Code	*Lumens*	*Cooling*	*Lamp*
FORLED118/PC	1100	Passive	LED
FORLED118/AC	1100	Active	LED
FORLED130/AC	2000	Active	LED
FORLED149/AC	3000	Active	LED

Example order code:
FORLED118/PC/FGC – A 1100 lumen Circu-LED passive cooling downlight with frosted glass cover.

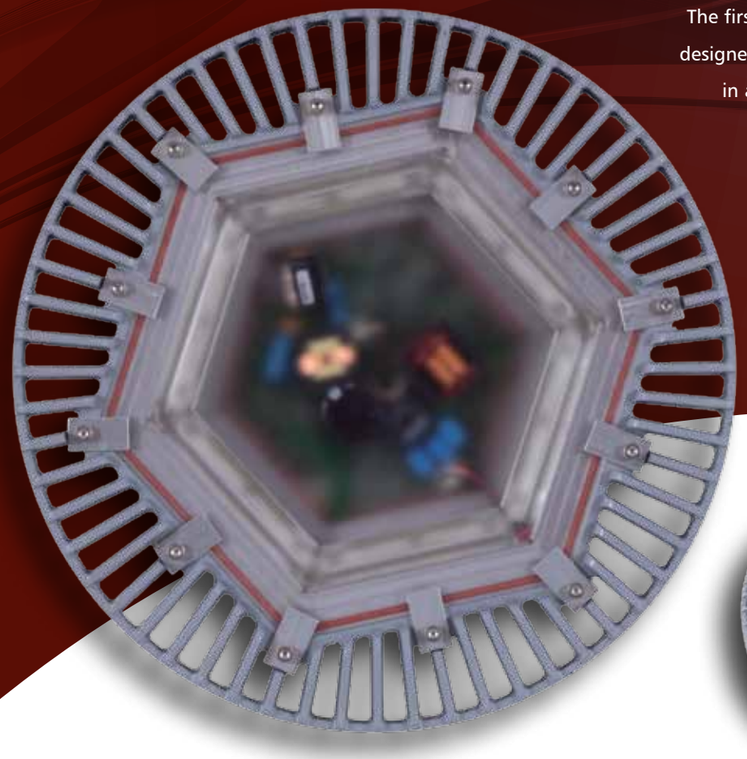
Applications:

- Corridor Lighting
- Hotel Reception
- Meeting Rooms
- Board Rooms

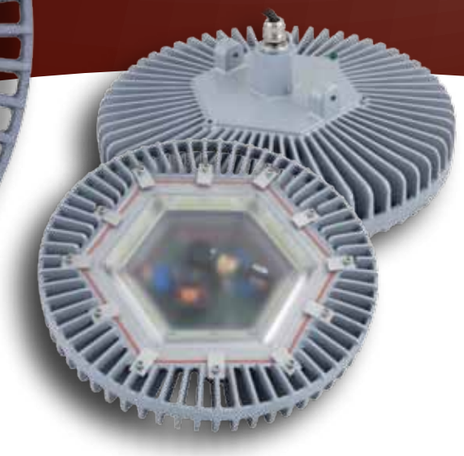
LED HIGH BAY

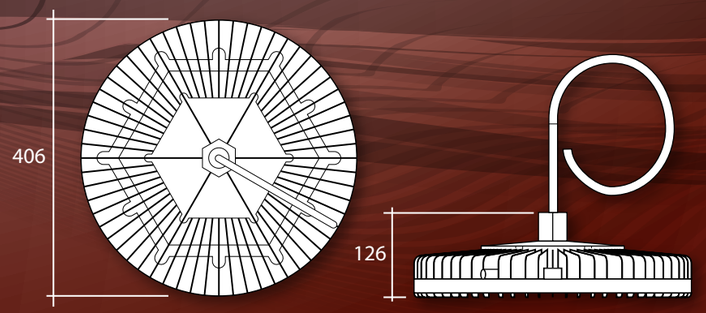
ULTRA LONG LIFE LED HIGH BAY

For maintenance free general, industrial and commercial application



The first of its kind, the LED High Bay lumianire was designed specifically to replace conventional lighting in a wide variety of industrial applications, both indoor and outdoor IP66 rated.





Applications:

- Warehouses
- Garage Lighting
- Cold Stores
- Tunnel and general area lighting

Product Specification

- Certified ingress protection to IP65
- Equivalent to 250W HID lamp
- Low power consumption. 70 plus luminaire lumens per circuit watt.
- Instant on/off operation
- Universal input (100-277 VAC), 50/60Hz
- Superior colour rendition index compared to HPS, LPS & MV
- Mercury free
- Resistant to shock and vibration
- Temperature compensation technology for longer life
- >80% lumen maintenance after 60,000 operating hours
- Copper free aluminium

Optional Features

(Add suffix to order code)

/HBXW2: Sirup, cable gland and cable

/HBXCG: Cable gland and 3m cable

/SD50: 50% dimming

/FSLV: Slave luminaire

Intelligent Options

Our technical team can help you to design a practical solution for your specific needs.
Please contact us so that we can assist you to consider the best options from our full range of lighting controls.

Lamp Options

LED: Light Emitting Diode

Order Codes

Including Lamps

Order Code	*Watt*	*Kg*	*Lamp*
I-BAYLED106/6k	106	7.7	LED

Example order code:
I-BAYLED106/6k – A 106 watt LED High Bay clear acrylic narrow circular luminaire. 150 watt input power. 6k colour temperature.

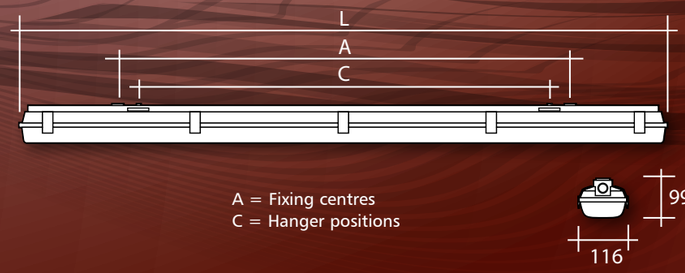
GRP PRO-LED IP65

CORROSION RESISTANT LED LUMINAIRES

For general, industrial and commercial application

GRP body for arduous industrial & commercial applications. Full width alluminium geartray/heatsink for optimum thermal management of high output LEDs to give longest possible service life.

Designed and manufactured to comply with EN 60598 and are CE certified.



A = Fixing centres
C = Hanger positions

Lamp Options

LED: Light Emitting Diode

"Our fittings being GRP, are more suitable than any of our competitors for use outdoors, but no fitting of this type will give it's full service life if exposed directly to rain and/or direct sunlight"

Polycarbonate opal diffuser

Applications:

- Warehousing
- Food preparation areas
- Cold stores
- Under canopy lighting

Ambient temperature guidance

Switch start	-30˚C - +30˚C

Product Specification

- Ultimate LED reliblity. Premium branded High Power LEDs (CREE/Luxeon/Tridonic) running at 350mA mounted directly onto an alluminium heatsink with seperate driver
- Conventional cool white (4200k) supplied as standard
- Light distribution as fluorescent fixture for shadow-free ambient lighting
- Two stage drivers and DALI dimming options for additional energy savings with lighting controls
- Certified ingress protection to IP65
- Luminaire housing made of corrosion, moisture and acid resisting glass fibre reinforced polyester. Light grey finish (RAL 7035). Flame resistant with continuous non-aging gasket
- Polycarbonate injection moulded diffusers
- One part plastic clips as standard or optional stainless steel clips
- Cable entries, with grommets at both ends, and further conduit entries on rear of the housing. White powder coated metal geartray fixed to the body by flexible geartray suspension clips

Optional Features

(Add suffix to order code)

/TW: Terminal blocks at both ends of the geartray

/CW: Daylight white (6500k) for higher lumen output

Optional Accessories

All standard accessories for GRP fluorescent range are applicable to LED versions.

For Accessories please see page 16-17

Also available with Motion and Daylight sensors

Intelligent Options

Our technical team can help you to design a practical solution for your specific needs.
Please contact us so that we can assist you to consider the best options from our full range of lighting controls.

Order Codes

Including Lamps

GRP Pro-LED IP65

Order Code	*Watt*	*L*	*A*	*C*	*Kg*
GRPLP10X350	10 x 1.2	600	800	700	2.80
GRPLP24X350	24 x 1.2	1500	800	700	2.80

Example order code:
GRPLP10X350/F – GRP Pro-LED 5ft luminaire with 10 LEDs running at 350mA. Two-stage driver so that 1 LED can be left on as standby. Luminaire is complete with 10% standby dimming.

Gear options

/F: 10% Standby Dimming
/L: DALI Addressable Dimming

/E3: 3hr Emergency
/E3T: Self Test Emergency

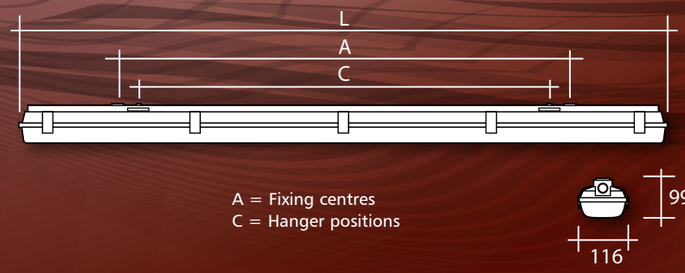
GRP FOCUS-LED IP65

CORROSION RESISTANT LED LUMINAIRES

For general, industrial and commercial application

GRP body for arduous industrial & commercial applications. Alluminium heatsink with optical refractor for optimum efficiency by focusing LEDs light output as required for the application.

Designed and manufactured to comply with EN 60598 and are CE certified.



A = Fixing centres
C = Hanger positions

Lamp Options

LED: Light Emitting Diode

"Our fittings being GRP, are more suitable than any of our competitors for use outdoors, but no fitting of this type will give it's full service life if exposed directly to rain and/or direct sunlight"

Polycarbonate opal diffuser

Applications:

- Warehousing
- Food preparation areas
- Cold stores
- Under canopy lighting

Ambient temperature guidance

LED	-30˚C - +30˚C

Product Specification

- Individual high power LEDs running at 700mA mounted onto an extruded alluminium heatsink with optical controller to give 30, 60 or 90 beam angles
- Conventional cool white (4200k) supplied as standard
- Two stage drivers and DALI dimming options for additional energy savings with lighting controls
- Certified ingress protection to IP65
- Luminaire housing made of corrosion, moisture and acid resisting glass fibre reinforced polyester. Light grey finish (RAL 7035). Flame resistant with continuous non-aging gasket
- Polycarbonate injection moulded diffusers
- One part plastic clips as standard or optional stainless steel clips
- Cable entries, with grommets at both ends, and further conduit entries on rear of the housing. White powder coated metal geartray fixed to the body by flexible geartray suspension clips

Optional Features

(Add suffix to order code)

/TW: Terminal blocks at both ends of the geartray

/CW: Daylight white (6500k) for higher lumen output

/FSLV: Slave luminaire

Optional Accessories

All standard accessories for GRP fluorescent range are applicable to LED versions.

For Accessories please see page 16-17

Order Codes

Including Lamps

GRP Focus-LED IP65

Order Code	*Watt*	*L*	*A*	*C*	*Kg*
GRPLF4X750	4 x 2.4	600	800	700	2.80
GRPLF10X750	10 x 2.4	1500	800	700	2.80

/30/60/90 Add suffix to order code for 30, 60 or 90 beam angle

Example order code:
GRPLF10X750/60 – A 10 x 750mA GRP Focus-LED 5ft luminaire with 60 degree beam angle.

Also available with Motion and Daylight sensors

Intelligent Options

Our technical team can help you to design a practical solution for your specific needs.
Please contact us so that we can assist you to consider the best options from our full range of lighting controls.

Gear options

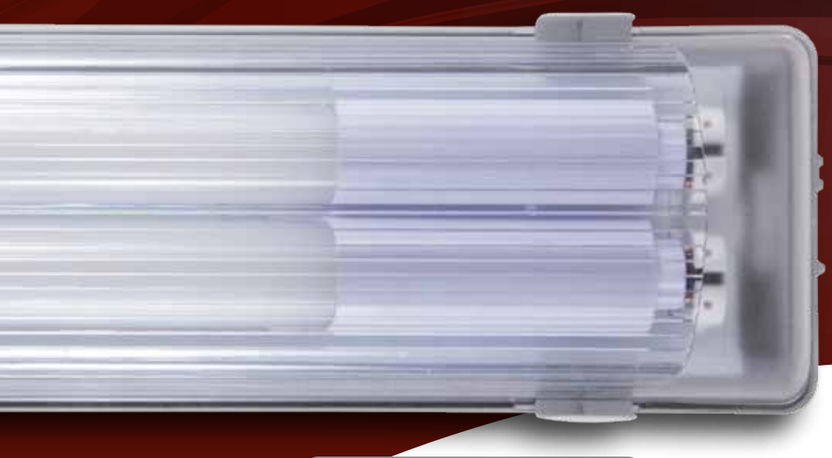
/L: DALI Addressable Dimming

/M3: 3hr Emergency
/S3: Self Test Emergency

GRP TUBE-LED IP65

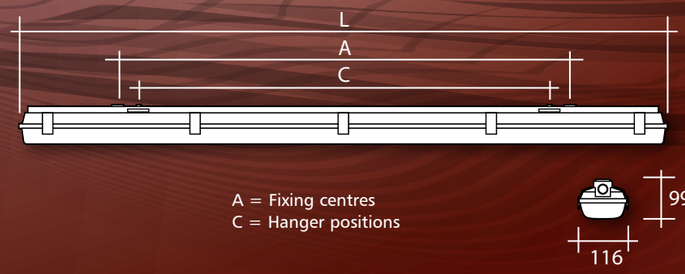
CORROSION RESISTANT LED LUMINAIRES

For general, industrial and commercial application



GRP body for arduous industrial & commercial applications. Supplied with mains rated lampholders and LED tubes. Tubes have replaceable drivers and can be aimed and fixed in position.

Designed and manufactured to comply with EN 60598 and are CE certified.



A = Fixing centres
C = Hanger positions

Lamp Options

LED: Light Emitting Diode

"Our fittings being GRP, are more suitable than any of our competitors for use outdoors, but no fitting of this type will give it's full service life if exposed directly to rain and/or direct sunlight"

Polycarbonate prismatic diffuser

Product Specification

- Conventional cool white (4200k) supplied as standard
- Wide beam angle optimises light distribtion whilst giving equivalent lux level as equivalent T5/T8 lamp
- Certified ingress protection to IP65
- Luminaire housing made of corrosion, moisture and acid resisting glass fibre reinforced polyester. Light grey finish (RAL 7035). Flame resistant with continuous non-aging gasket
- Polycarbonate injection moulded diffusers
- One part plastic clips as standard or optional stainless steel clips
- Cable entries, with grommets at both ends, and further conduit entries on rear of the housing. White powder coated metal geartray fixed to the body by flexible geartray suspension clips

Optional Features

(Add suffix to order code)

/TW: Terminal blocks at both ends of the geartray

/CW: Daylight white (6500k) for higher lumen output

Optional Accessories

All standard accessories for GRP fluorescent range are applicable to LED versions.

For Accessories please see page 16-17

Order Codes

Including Lamps

GRP Tube-LED IP65

Order Code	*Watt*	*L*	*A*	*C*	*Kg*
GRPLT1X9	1 x 9	600	800	700	2.80
GRPLT2X9	2 x 9	600	800	700	2.80
GRPLT1X22	1 x 22	1500	800	700	2.80
GRPLT2X22	2 x 22	1500	800	700	2.80

Example order code:
GRPLT1X22 – A 22 watt GRP Tube-LED 5ft luminaire.

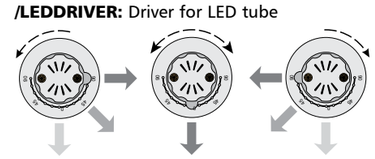
Applications:

- Warehousing
- Food preparation areas
- Cold stores
- Under canopy lighting

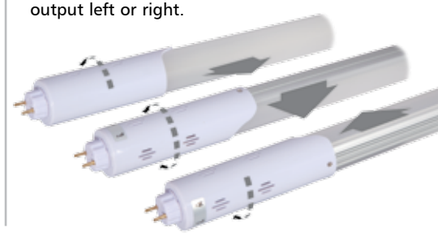
Ambient temperature guidance

LED Tube	-30˚C - +30˚C

Detachable LED Tube Driver
/LEDDRIVER: Driver for LED tube



Endcap rotates through 180° to direct light output left or right.



LED FLOODLIGHT

ULTRA LONG LIFE LED DIE CAST ALUMINIUM FLOODLIGHT

For maintenance free general and commercial application

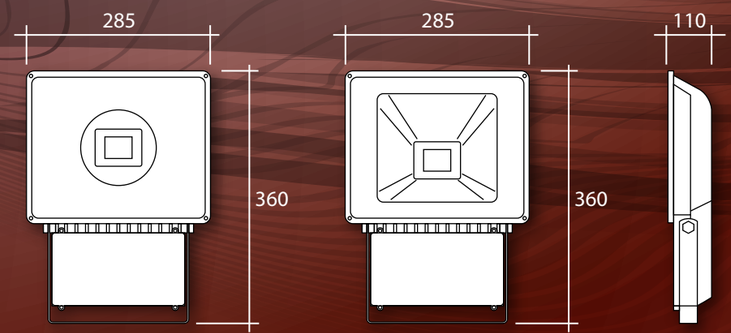
A range of IP65 rated LED Floodlights. These low energy luminaires all incorporate a 6,000 - 7,000k colour temperature.

FLED70/SPOT

FLED70/FLOOD

FLED70/SPOT

FLED70/FLOOD



FLED70/SPOT FLED70/FLOOD

Product Specification

- Certified ingress protection to IP65
- Instant start
- 50,000 hour lamp life
- AC85V-265V
- Die cast aluminium
- White colour temperature 6,000 - 7,000k
- For photometry details refer to Page 219 graph ref PC047 and PC048

Optional Features

(Add suffix to order code)

/PEC: Dusk to dawn sensing photo-electric cell

Applications:

- Building Ilumination
- Private Industrial Estates
- Industrial Gantry
- Security & General Access
- Architectural Features

Intelligent Options

Our technical team can help you to design a practical solution for your specific needs.
Please contact us so that we can assist you to consider the best options from our full range of lighting controls.

eye

Lamp Options

LED: Light Emitting Diode

Order Codes

Including Lamps

Order Code	*Watt*	*Beam Angle*	*Kg*	*Lamp*
FLED70/SPOT	70	50°-70°	5.62	LED
FLED70/FLOOD	70	120°-150°	5.62	LED

Example order code:
FLED70/FLOOD – A 70 watt LED Floodlight with 120° - 150° beam angle.

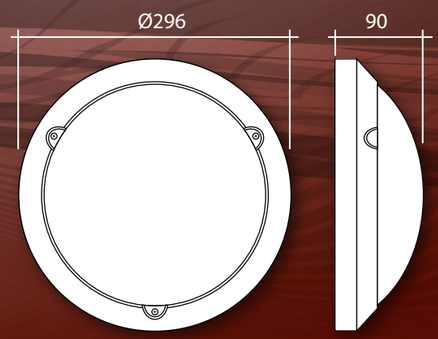
STAIR-LED

ULTRA LONG LIFE LED WALL PACK

For maintenance free industrial and commercial application

Simplicity itslef. The Stair-LED combines LED and Microwave technologie in a single unit which replaces 2D luminaires without any rewiring. Halving the installed power and switching off when no-one is there could give you a 90% energy saving.

The product provides full automatic testing in accordance with IEC 62034.



Lamp Options

LED: Light Emitting Diode

Product Specification

- Certified ingress protection to IP54
- Equivalent to 28W 2D lamp
- Polycarbonate housing and diffuser
- 1000 luminaire lumens

Optional Features

(Add suffix to order code)

/FSLV: Slave luminaire

Order Codes

Including Lamps

Order Code	*Watt*	*Lumens*
STAIRLED	16	1000

Example order code:
STAIRLED-DECO – A 16 watt Stair-LED luminaire with 10% standby dimming and 3 hour maintained emergency.

Applications:

- Office Emergency Lighting
- Auditorium Emergency Lighting
- Lecture Hall Emergency Lighting

Ambient temperature guidance

LED Tube	-30˚C - +30˚C

Gear options

/M3: 3hr Emergency
/S3: Self Test Emergency

DECO LED

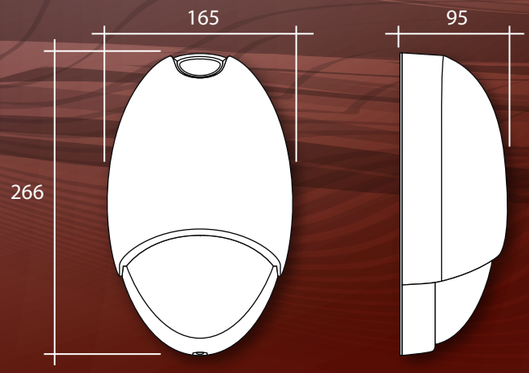
ULTRA LONG LIFE LED WALL PACK

For maintenance free industrial and commercial application

The Deco LED comprising 50mm diameter lamp unit containing charge indicator and white power LED, with articulated remote box enclosing non-maintained driver, charger, and battery.

After a period of 16 hours the unit will be capable of achieving a 3-hour emergency duration.

The product provides full automatic testing in accordance with IEC 62034.



Lamp Options

LED: Light Emitting Diode

Product Specification

- Certified ingress protection to IP65
- Die cast aluminium body and polycarbonate diffuser
- For photometry details refer to Page 219 graph ref PC049

Optional Features

(Add suffix to order code)

/PEC: Dusk to dawn sensing photo-electric cell

/M90: Maintained 90 minute emergency

/M90-CS20: Maintained 90 minute emergency with auto test

/NM90: Non maintained 90 minute emergency

/NM90-CS20: Non maintained 90 minute emergency with auto test

Order Codes

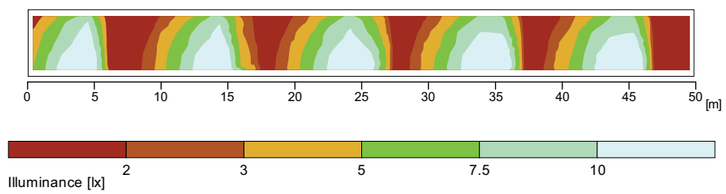
Including Lamps

Order Code	*Watt*	*Lamp*
DECLED10	10	LED
DECLED13	13	LED

Example order code:
DECLED10 – A 10 watt Deco LED luminaire.

Applications:

- Office Emergency Lighting
- Auditorium Emergency Lighting
- Lecture Hall Emergency Lighting



Total Collected Power = 810.0 lm
Maximum Intensity = 560 cd

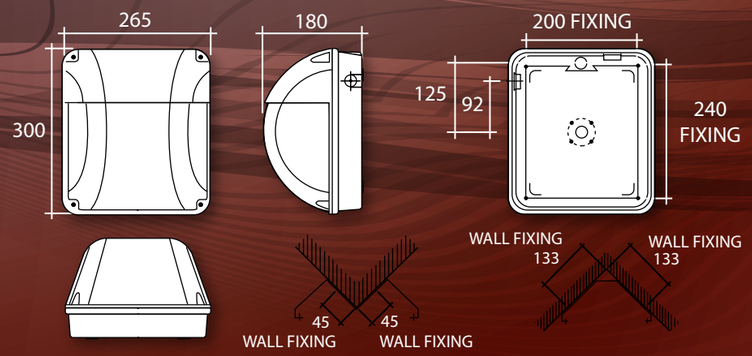
Calculation results, 13W LED 10m Spacing 5mh

SENTI LED

ULTRA LONG LIFE LED WALL PACK

For maintenance free general, industrial and commercial application

Senti-LED is a robust and versatile wall luminaire constructed from vandal resistant die cast aluminium and polycarbonate. The Senti-LED is designed to give equivalent light output and distrubution to 70W SON but with low energy and maintenance costs.



Exrernal Corner Bracket

Internal Corner Bracket

Lamp Options

LED: Light Emitting Diode

Product Specification

- Certified ingress protection to IP65
- Equivalent to 70W SON lamp
- Two-stage driver so that 3 LEDs can be left on to give standby lighting
- Optional integral or external microwave detector to dim or switch off when there is no presence
- Optional photocell
- Die cast aluminium base
- Prismatic polycarbonate lens
- 20mm conduit entry points on back and sides allowing maximum flexibility of mounting.

Optional Features

(Add suffix to order code)

/PEC: Dusk to dawn sensing photo-electric cell

Order Codes

Including Lamps

Order Code	*Watt*	*Lamp*
SENT-LED30	**30**	LED

Example order code:
SENT-LED30/PEC/FM01 – A luminaire with 30 high power LEDs running at 350mA with two-stage driver, integral microwave detector and dawn to dusk sensing.

Applications:

- Building Perimeter Lighting
- School Buildings
- Hotel Walkways

Intelligent Options

Our technical team can help you to design a practical solution for your specific needs.
Please contact us so that we can assist you to consider the best options from our full range of lighting controls.

STREET-LED

ULTRA LONG LIFE STREET LIGHTING LANTERN

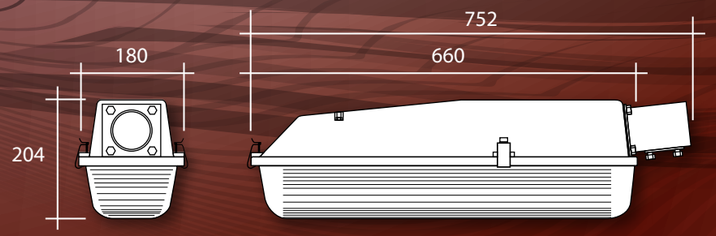
For maintenance free application

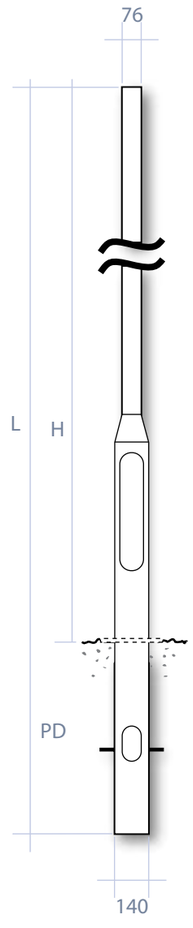
Multi-purpose exterior fitting for roads, streets, car parks, paths and others applications.

LV LED

LVS LED

LV LED AL





Lamp Options

LED: Light Emitting Diode

Applications:

- Pathway lighting
- Roadway lighting
- Car parks
- Security
- Amenity

Hot dipped galvanised Parallel Sided Poles with access door

Order Code

Root Mnt	*Flange Mnt*	*H (m)*	*L (m)*	*PD (m)*	*Kg*
COL4RM76	**COL4FM76**	4	4.8	0.8	30
COL5RM76	**COL5FM76**	5	5.5	0.8	37
COL6RM76	**COL6FM76**	6	6.7	1.0	45

Astra 1,2 & 3 are designed for 60mm poles. To use with these 76mm poles order the following adaptor: ASTRASPIG76F/60M

Product Specification

- Certified ingress protection to IP65
- Philips Fortimo LED LLM
- Optimal for 3 - 6 m posts.
- High quality LED light (4000K with Ra 75)
- No light depreciation (constant lumen output) – 50000 hrs
- Electronic LED driver
- Stainless clips

LV LED
- High quality glass reinforced pressed polyester body
- Polycarbonate cover – Fressnel lens

LVS LED
- High quality glass reinforced pressed polyester body
- Flat glass cover

LVS LED AL
- Grey painted die-cast high-pressure aluminium
- Polycarbonate cover – Fressnel lens

Note:
The fittings are delivered with flange, but type of flange must be specificated in order.

- For photometry details refer to Page 219 graph ref PC050

Optional Features

(Add suffix to order code)

/NEMA: Dusk to dawn sensing photo electric cell

/FTB: Fused terminal block

/GF: Toughened front glass

/GB: Toughened glass bowl

/TI: Timed ignitor to prevent lamp cycling

Note Astra spigot required if post top mounting - Order Code: ASTRASPIG76F/60M

Optional Accessories

/V: Flange for bracket

/S: Flange for pole

/POJ: Terminal block with fuse

Order Codes

Including Lamps

LV LED

Order Code	*Watt*	*Lamp*
LVLED1100	**18**	LED
LVLED1800	**28**	LED
LVLED3000	**37**	LED

LVS LED

Order Code	*Watt*	*Lamp*
LVSLED1800	**28**	LED
LVLSED3000	**37**	LED

LVS LED AL

Order Code	*Watt*	*Lamp*
LVLEDAL1100	**18**	LED
LVLEDAL1800	**28**	LED
LVLEDAL3000	**37**	LED
LVLEDAL4500	**55**	LED

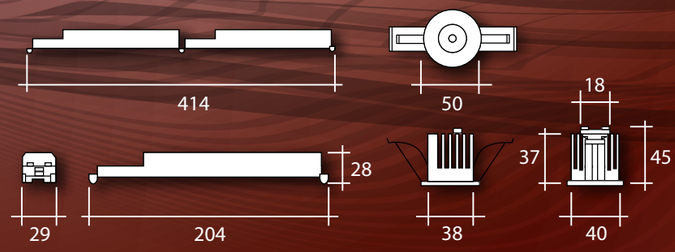
Example order code:
LVLED1800 – A 28 watt Street-LED lantern.

SPOT-LED

ULTRA LONG LIFE LED EMERGENCY DOWNLIGHT

For maintenance free general, retail and commercial application

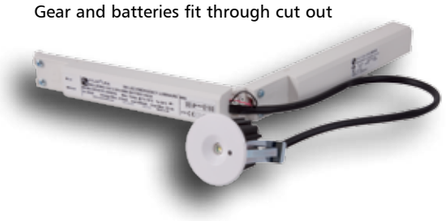
The Spot-LED is a flexible 3 hour, maintained and non-maintained emergency LED luminaire which delivers superb light output performance from a 3 watt single white LED.



Lamp Options

LED: Light Emitting Diode

Gear and batteries fit through cut out



Applications:

- All emergency lighting applications

Ambient temperature guidance

LED	0˚C - +35˚C

Product Specification

- Max case temp (Tc) 70°C
- IP Rating of luminaire IP30
- Lumen output 148 lumens
- Charge indicator: Green + Red bi-colour LED
- ENEC approved
- SmartCharge™ technology
- Operated in emergency by 3 x NiMH battery cells
- Articulated enclosure for discrete installation through fixed ceilings
- 3 year warranty
- AutoTest technology provides the user with self contained automatic testing in compliance to IEC62034
- Reflector finish to RAL9016
- DALI Emergency options give further benefits to the user enabling the testing and monitoring of the emergency lighting system on site or via the Internet
- Maintained and non-maintained versions

Spot-LED distance table for an open area

Mounting height (m)	0.5 lux		1 lux	
	▨→○	○→○	▨→○	○→○
2.00	3.08	6.89	2.75	6.30
2.50	3.57	8.16	3.09	7.31
3.00	3.98	9.27	3.33	8.14
3.50	4.32	10.26	3.62	8.83
4.00	4.60	11.13	3.73	9.41

(Data based upon minimum light intensity of 0.5 lux /1 lux and an average lumen output of 148lm).

Key:

▨→○ Distance from wall to first LED luminaire (m).

○→○ Specified distance required from one LED luminaire to another (m).

Auto-Test Operation

LED green 10 second blink: *Normal standby mode: Mains connected, charging, battery and power LED satisfactory*

LED green slow flash: *Commissioning mode or Duration Test in progress*

LED green fast flash: *Functional Test in progress*

LED off: *Mains not connected*

LED red slow flash: *Battery or charging system faulty*

LED red fast flash: *Defective power LED*

Order Codes

Including Lamps

MAINTAINED

Order Code	*Watt*	*Lamp*
E3LRM/A	3	LED

NON-MAINTAINED

Order Code	*Watt*	*Lamp*
E3LR/A	3	LED

Example order code:
E3LRM/A – A 3 watt Spot-LED with high output 3 hour maintained emergency downlight delivering 148 lumens.

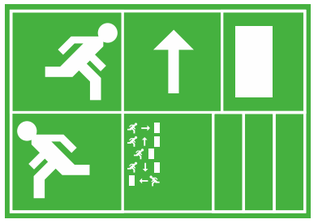
BULK LED

ULTRA LONG LIFE LED EMERGENCY BULKHEAD

For maintenance free general, retail and commercial application

Completely manufactured in the UK, Bulk LED was the first luminaire on the market to feature a Soft Arc Linear Lens Diffuser designed to provide maximum spacings between emergency luminaires. Even today, very few products are able to meet Bulk LED's optical performance.

The Bulk LED can be fitted with a self adhesive legend SAL 1 kit to create an exit sign.



/SAL1: Universal self adhesive Exit Kit

Semi-Recess Cut Out: 330 x 90

Lamp Options

LED: Light Emitting Diode

Product Specification

- Certified ingress protection to IP65
- Polycarbonate enclosure. These include a screw fixing diffuser located with brass threaded inserts
- Centre rear besa entry and 20mm conduit knockouts at each end
- Hinged steel gear tray for ease of installation
- Available for maintained or non-maintained operationl

Optional Features

(Add suffix to order code)

/SAL1: Universal self adhesive Exit Kit

/VR: Anti-tamper Screws

/O: Opal Diffuser

/AD: Intelligent Addressable Luminaire

/ST: Self Testing Luminaire

/TS: Push to Test Switch

Order Codes

Including Lamps

MAINTAINED

Order Code	*Watt*	*L*	*W*	*D*	*Lamp*
BULK/LED/E3M	2	350	108	80	LED

NON-MAINTAINED

Order Code	*Watt*	*L*	*W*	*D*	*Lamp*
BULK/LED/E3N	2	350	108	80	LED

Example order code:
BULK/LED/E3M – A 2 watt Bulk LED, IP65 bulkhead 3 hour maintained operation.

Applications:

- Exterior of final Exit
- Meter cupboard

EX LED

ULTRA LONG LIFE LED EMERGENCY EXIT BOX

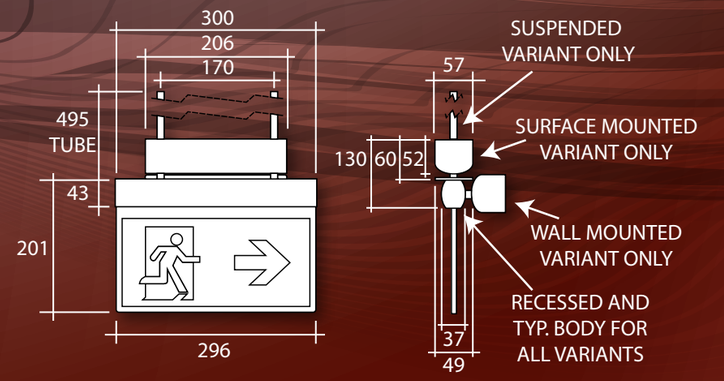
For maintenance free general, retail and commercial application

Wall Mounted EXLEDM

Ex LED is a 3hr high quality LED operated Emergency Exit Sign and can be operated in maintained or non-maintained mode. Ex LED is also fitted with AutoTest as a standard feature.

Designed for fast fix installation, the first fix allows the installer to complete the mains (and data) wiring before decoration. Ex LED incorporates solid state LEDs in conjunction with SmartCharge™ technology reducing thermal temperatures on batteries and dramatically reducing energy consumption.

Designed and manufactured to comply with BS EN 60598-2-22.



Lamp Options

LED: Light Emitting Diode

Surface Mount ELEDSM

Suspended (inc tube assembly) EXLEDS

Recessed EXLEDR

Applications:

- Final Exit points
- Corridor Exits
- Toilet Exits

Ambient temperature guidance

LED	0˚C - +45˚C

/SR: Single sided sign right arrow

/SL: Single sided sign left arrow

/SD: Single sided sign down arrow

/DL/R: Double sided sign left or right arrow

/DD: Double sided sign down arrow

Product Specification

- Light source 2 x 1 Watt LED
- Emergency duration 3 hours min
- Mains voltage 230 Volts ± 10% 50Hz/60Hz AC
- Integral Green + Red bi-colour LED indicator & test switch
- Flexible mounting options available
- 3 year warranty
- Central battery or self contained
- Integral test button/status indicator
- Integral control gear for wall/ceiling
- Remote control gear for recessed/ceiling
- AutoTest technology provides the user with self contained automatic testing in compliance to IEC62034
- SmartCharge™ technology provides a full charge to batteries for 16 hours and then reduces to 10% to maintain the charge. SmartCharge™ reduces energy consumption by up to 85% and reduces the operating temperature of NiMH batteries by up to 6°C
- No visible fixings
- IP20 rating
- DALI Emergency options enables the testing and monitoring of the emergency lighting system on site or via the Internet
- White finish

Optional Features

(Add suffix to order code)

/G: Grey colour

/SR: Single sided sign right arrow

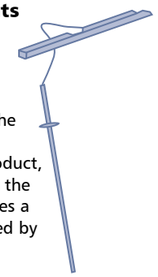
/SL: Single sided sign left arrow

/SD: Single sided sign down arrow

/DL/R: Double sided sign left or right arrow

/DD: Double sided sign down arrow

Special Requirements



Tube Assembly -
(Suspended version only)

It should be noted that the Recessed and Suspended variants are the same product, the only difference being the Suspended variant requires a tube assembly, highlighted by the illustration.

Each tube measures 500mm in length as standard, is fully adjustable depending upon ceiling cavity.

Order Codes

Order Code	*Watt*	*Lamp*
EXLEDR (Recessed)	2 x 1	LED
EXLEDSM (Surface Mount)	2 x 1	LED
EXLEDS (Suspended)	2 x 1	LED
EXLEDM (Wall Mounted)	2 x 1	LED

Example order code:
EXLEDR/SR/E3L – A 2 x 1 watt Ex LED Recessed luminaire with a single sided right pointing sign, incorporating 3hr maintained DALI in White.

Gear options

/E3M: 3hr maintained
/E3L: 3hr maintained DALI

Using our experience

You've heard about lighting controls that can dim or switch lighting to save energy and you would like to install it in your car park; should each fitting have its own sensor or should they be linked in groups back to one sensor? You have seen a microwave sensor working in your kids classroom; would this be the best way to sense presence in your office or should you use PIRs? If you use too many microwave detectors in one space will they interfere with each other? What if I want to retrofit controlled light fittings and group them to share presence but cannnot modify the existing wiring?

Our major projects team has ten's of years of experience designing, installing and commissioning these sort of projects. We can help you to design, price, install and operate a practical solution.

We will consider all options but we do have a set of core technologies that we use where possible. Our belief is to avoid, where possible, anything that needs commissioning on site. When you replace a ballast or a sensor the system should continue to operate without any further commissioning. We also try to avoid central control systems or anything that needs an instruction manual.

The following pages give an overview of how we work and will hopefully persuade you to give us a call to discuss your project.

1. Car Parks

Wirefield has designed and supplied lighting systems for multistory car parks all over the UK. Some have been operating for several years. We can take you to these installations and introduce you to the energy managers who will explain how the project was conceived, how users are barely aware of the system existing and how the energy savings have equalled or bettered the payback calculation which justified the initial cost.

2. Distribution Centres

The world is full of distribution centres with Metal Halide lamps. You may be able to switch them off at times, or even switch every other one off to save energy, but you will be amazed at the savings achievable if they are changed to fittings with fully controllable lamps such as 4 x 80W T5. The best solution to open areas vs aisles can be counter intuitive and, like most areas, the simpler solution is generally the best.

3. Offices & Data Centres

Our solution for offices is ideal for small to medium size open plan offices. No rewiring will be required, no specialist knowledge by the installer and above all no commissioning. Work areas will operate under groups of controlled lighting and can be redefined without rewiring. Our solution for Data Centres allows the area to operate with a background light level until an engineer arives. He will be surrounded by light rather than shadowed by it, again, without the need for any commissioning.

4. Schools & Colleges

Having the complete range of luminaires in our range, we are able to light every corner of your school: Plaza Lanterns on the drive, floodlights over the tennis court, GRP in the corridors, Hi Sport for the gym, absence detection in the classrooms and even The Librarian range for the library. You'll never have to ask why the lights were left on again.

1. Car Parks

Movement - luminaires at 100% output

No movement - luminaires at 10% output

Our Experience

We started retro-fitting controlled lighting into multi-story car parks in 2007. By 2010 we had designed and implemented 30 major schemes accross the UK. The installations have paid for themselves in under two years. We understand the practical issues like interaction of lighting controls with the BMS, getting around packed containments and temperature issues with T5 lamps and have solutions for most situations.

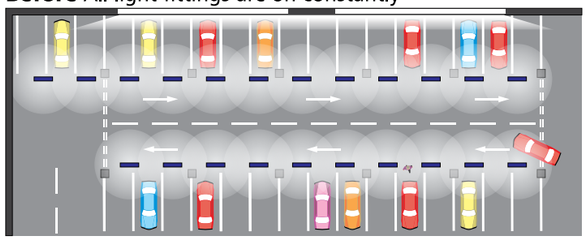
Before

A typical car park has 4 light fittings in each bay of 6 parking spaces with 2 x 58W T8 lamps. A car park for 3,000 cars will have 2,000 luminaires.

Electricty costs will therefore be
2,000 * 2 x 58W * 8,760 hrs pa @ 10p

£200,000 p.a.

Before All light fittings are on constantly



Upgrade

Luminaires will be replaced with dimmable T5 types. Lighting controls will be added to dim the fittings to 10% when there is no movement and a daylight cell will switch off the perimeter fittings.

£170,000 Installed Cost

Upgrade existing twin T8 fixed output luminaires to Single T5 dimmable

Add presence detectors and daylight sensors

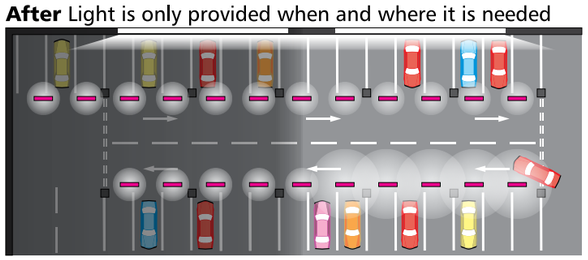
After

Assuming that there is movement in the car park for 25% of the time (averaged accross busy and quiet areas and between day and night) the new running costs will be:-

**(2,000 * 49W * 8,760 hrs * 25%) +
(2,000 * 9W * 8,760 hrs * 75%) @ 10p**

£30,000 i.e. a payback of 12 months

After Light is only provided when and where it is needed



Consider the options?

Many car park owners and facility managers have looked into T5 lamp adapters or LEDs. We have first hand experience of both and can discuss the pros and cons. Others have considered one-for-one retro-fitting of new luminaires, each with an individual sensor: sometimes this is OK, we have the experience to know when.

Take the next step...

Call Wirefield on 01329 840372 and ask to speak to a member of the special projects team. Give us the address of your car park and within a few days we will send you a draft proposal and payback calculation.

2. Distribution Centres

Movement - luminaires at 100% output

No movement - luminaires at 10% output

Our Experience

The way sensors work in practice in DC's can be counter-intuitive. Standalone fittings with integral sensors are often preferred, daylight is more complicated than it seems and the solution for aisles maybe different to the open spaces. Wirefield have supplied and comissioned lighting systems, many with with over 1,000 luminaires, in the Distribution Centres of several household names accross the UK.

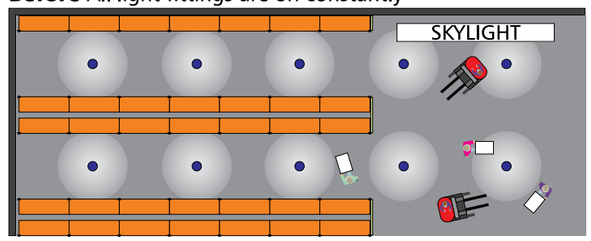
Before

A typical 50,000m² distribution centre has 500 luminaires with 400W HID lamps spaced at 10m at a height of 15m.

Electricty costs will therefore be
500 * 440W * 8,760 hrs pa @ 10p

£170,000 p.a.

Before All light fittings are on constantly



Upgrade

400W hibays will be replaced by 4 x 80W fittings. Integral or remote lighting controls will ensure that lighting is dimmed when the area is empty or there is sufficient daylight.

£150,000 Installed Cost

Replace HID Hibays with dimmable T5 luminaires with integral controls

or remote presence and daylight detectors

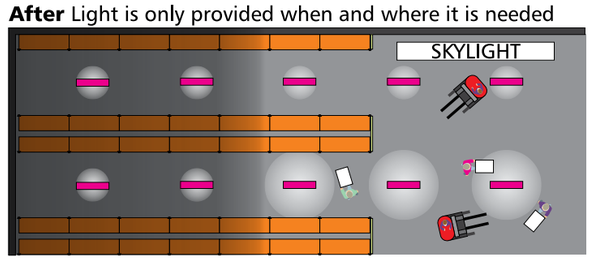
After

Assuming that there are on average 100 light fittings triggered in the warehouse at any one time and that there is sufficient daylight for 8 hours per day the new running costs will be:-

**(500 * 4 x 16W * 4,096 hrs) +
(500 * 4 x 80W * 1,024 hrs) @ 10p**

£30,000 i.e. a payback of 1.1 years

After Light is only provided when and where it is needed



What are the other options?

We have LED High bay fittings for cold-stores and we can dim HID fittings to 33% of their full power based on daylight and occupancy.

Take the next step...

Call Wirefield on 01329 840372 and ask to speak to a member of the special projects team. Send us a sketch of your DC along with the operating hours and unit energy cost and we will arrange to meet you on site with a draft proposal.

3. Offices & Data Centres

Movement - luminaires at 100% output

No movement - luminaires at 10% output

Our Experience

Lighting controls in offices have been around for many years. New sensor and ballast technologies allow systems to be supplied at a fraction of the cost, reducing paybacks and allowing-smaller scale offices to benefit from the energy savings. Data centres operate 24/7 with low occupancy. Engineers need lighting all around them, not just overhead. Fittings must be grouped into redefinable overlapping zones but commissioning DALI to achieve this is virtually impossible. New technology in the last few years has enabled some simple solutions.

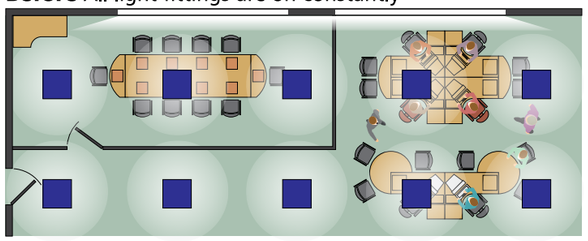
Before

A typical office has two 600 x 600 luminaires per workstation. This example is based on an open plan office with 16 worksations, a meeting room and two managers offices. 40 fittings in total. Air conditioning is running 50% of the time

Electricty costs are
40 * 4 x 18W(24w) * 1.25 * 3,120 hrs pa @ 14p

£2,125 p.a.

Before All light fittings are on constantly



Upgrade

The replacement luminaires will automatically dim to take account of natural daylight and temporary absence. After a further delay they will switch off.

£3,600 Installed Cost

Upgrade existing 4 x 18W luminaires to dimmable T5 direct/indirect

Add presence and daylight linking sensors

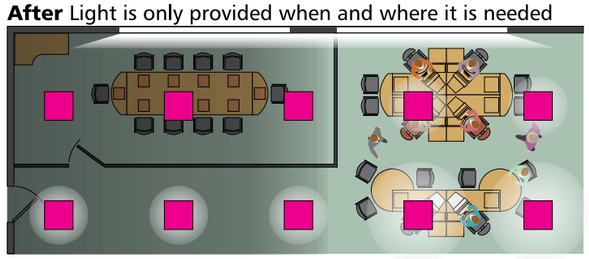
After

Assuming that the workstations are ocupied 6 hours per day, there are windows near 50% of the workstations and the meeting room is used 2 hours per day:-

(40 * 2 x 24W * 1.25 * 520 hrs) +
(40 * 2 x 6W * 1.25 * 2,600 hrs) @ 14p

£393 i.e. a payback of 2 years

After Light is only provided when and where it is needed



What are the other options?

Retro-fit T5 lamp adapters and LED Tubes show theoretical savings but the reliabilty has proved poor. The real savings come from dimming rather than slightly higher efficiencies. If you have unoccupied rooms or workstations or available natural daylight then controls are probably the way forward.

Take the next step...

Call Wirefield on 01329 840372 and ask to speak to a member of the special projects team. Provide us with a sketch of your office layout and some details of your occupancy patterns and we will produce a detailed payback calculation for you to consider..

4. Schools & Colleges

Movement - luminaires at 100% output

No movement - luminaires at 10% output

Our Experience

Wirefield design and supply complete lighting solutions to schools, from the driveway through the classrooms and corridors and back out onto the tennis courts. Schools are full of opportunities for energy saving: classrooms have natural daylight, corridors are unocupied during lessons and classrooms are unocupied during breaks. Changing rooms, libraries, gymnasiums all have sporadic occupancy and the buildings are often open outside school hours. Microwave detectors give great coverage in classrooms using absence but not initial presence detection.

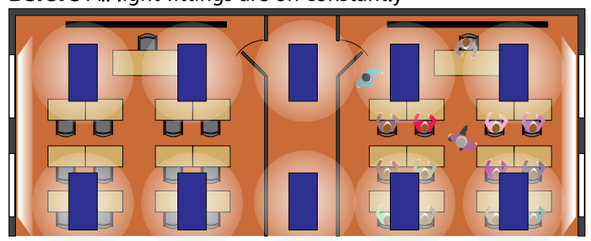
Before

An aging classroom will be lit by either T8 or even T12 battens or 1200 x 600 low brightness layin luminaires. The designed lighting level is typically 500 lux at full brightness. Our example is an 8m x 8m classroom with 12 luminaires plus 4 in the associated corridors

Electricty costs will therefore be
16 * 4 x 36W(44W) * 2,200 hrs pa @ 12p

£743 p.a.

Before All light fittings are on constantly



Upgrade

A kit comprising dimming luminaires, suspensions and lighting controls will be specified. It can be suspended giving direct and indirect light.

£1,615 Installed Cost

Upgrade existing T8 luminaires with dimmable T5

Add absence detection and daylight linking

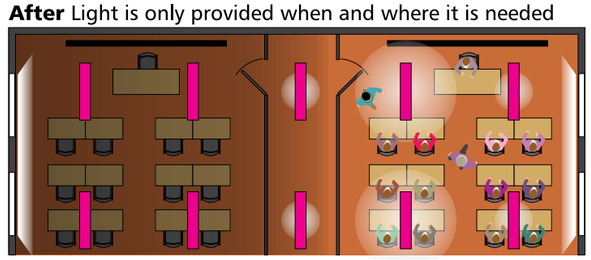
After

Assuming that the classroom has 5 lessons per day and that the corridors are occupied for 15 minutes in each hour the new running costs will be:-

(16 * 49W * 917 hrs) +
(16 * 9W * 1,283 hrs) @ 12p

£108 i.e. a payback of 2.5 years

After Light is only provided when and where it is needed



What are the other options?

As with offices you can achieve theoretical efficiency savings from retro-fit lamps but if you switch them on and off they will fail. You could also implement strict rules on switching lights off when they're not needed but can you police them?

Take the next step...

Call Wirefield on 01329 840372 and ask to speak to a member of the special projects team. We will come to survey your project or work from drawings and will provide detailed payback calculations for you to consider..

Contractor's Socket

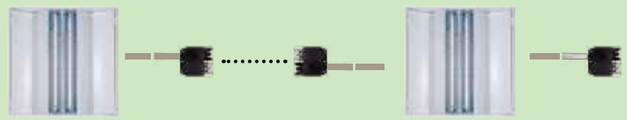
Contractor installs a 3way unswitched Klik socket for each run of luminaires. Typically one run for aisles upto 20m, 2 for 40m etc.

There are no electrical connections to make at second fix. Simply plug the system's starter lead into the Klik socket then contiue using one of the systems described below..

THROUGH WIRING SYSTEM

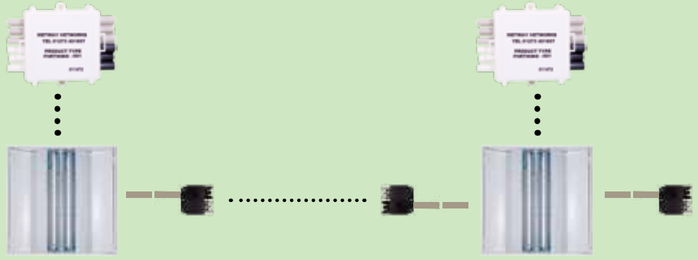
Suffix Part Number with:-
/TW3
/TW4
/TW6

Supplied with two leads:
- 2.5m incoming with 3/4/6way Plug and
- 2.5m outgoijng with 3/4/6way socket



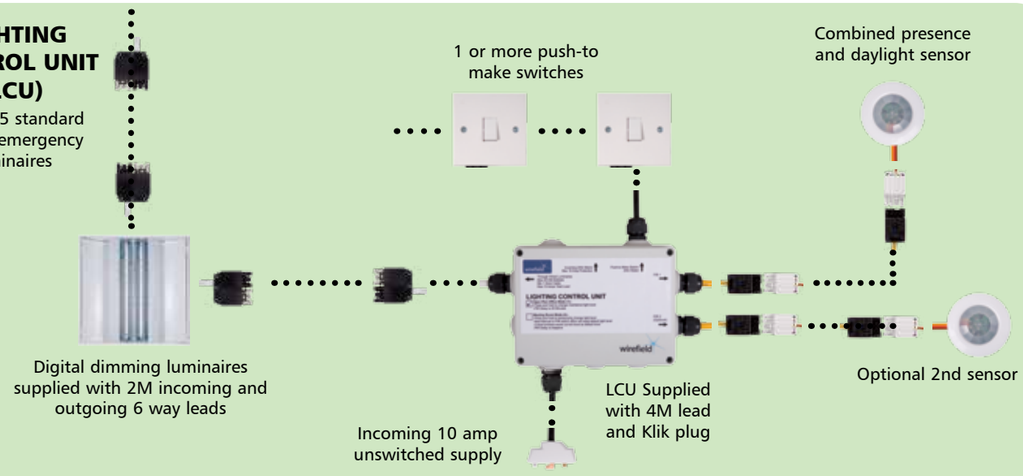
T-PIECE SYSTEM

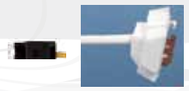
SUFFIX PART NUMBER WITH:-
/TP3
/TP4
/TP6
Supplied with 0.5 m cable and 3/4/6way T Piece
Inerconnecting leads ordered seperatley (see opposite)



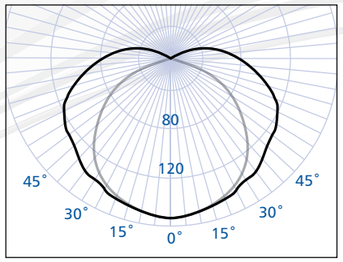
LIGHTING CONTROL UNIT (LCU)

Up to 25 standard and or emergency luminaires



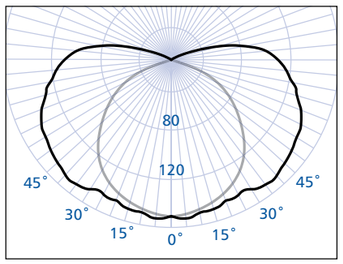
	3 pole	4 pole	6 pole
STARTER LEAD 			
INTERCONNECTING LEADS	LEADS-3POLE-3M-CABLE LEADS-3POLE-6M-CABLE LEADS-3POLE-12M-CABLE	LEADS-4POLE-3M-CABLE LEADS-4POLE-6M-CABLE LEADS-4POLE-12M-CABLE	LEADS-6POLE-3M-CABLE LEADS-6POLE-6M-CABLE LEADS-6POLE-12M-CABLE
CONNECTOR AND LEAD	PLUG-3POLE-2.5-CABLE SOCKET-3POLE-2.5-CABLE	PLUG-4POLE-2.5-CABLE SOCKET-4POLE-2.5-CABLE	PLUG-6POLE-2.5-CABLE SOCKET-6POLE-2.5-CABLE
T PIECE	T-MOD-3POLE-WHITE	-	-
T PIECE AND LEAD	- - -	T-MOD-4POLE-1.0-CABLE T-MOD-4POLE-2.5-CABLE T-MOD-4POLE-3.5-CABLE	T-MOD-6POLE-1.0-CABLE T-MOD-6POLE-2.5-CABLE T-MOD-6POLE-3.5-CABLE
UNWIRED CONNECTORS	PLUG-MALE-3POLE SOCKET-3POLE	PLUG-MALE-4POLE SOCKET-4POLE	PLUG-MALE-6POLE SOCKET-6POLE
UNWIRED LOW PROFILE	PLUG-MALE-3POLE-LP SOCKET-3POLE-LP	PLUG-MALE-4POLE-LP SOCKET-4POLE-LP	PLUG-MALE-6POLE-LP SOCKET-6POLE-LP
LCU (LIGHTING CONTROL UNIT)	-	-	LCU-1
LCU SENSOR			SEN-LCU
LCU SWITCH			SEN-LCU-SWITCH

PC 001
GRP IP65 SINGLE
Page 11



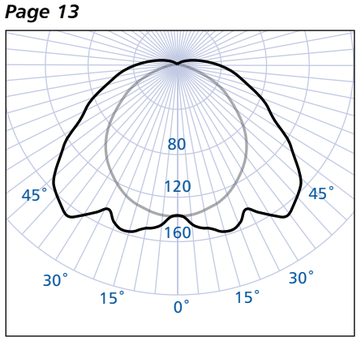
GRP258

PC 002
GRP IP65 TWIN
Page 11



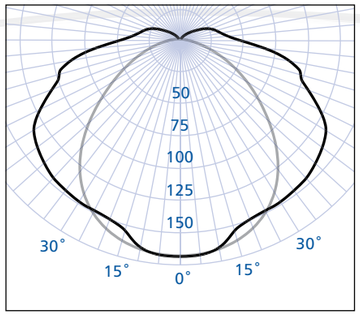
GRP158

PC 003
ZEXEN CR ZONE 1 IP66
Page 13



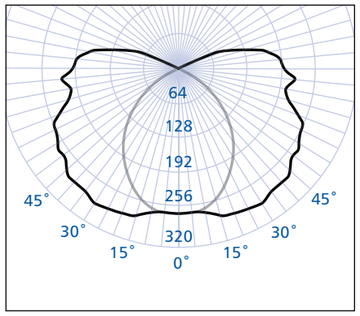
ZON258-9/HF

PC 004
ZEXEN CR ZONE 2 IP65
Page 15



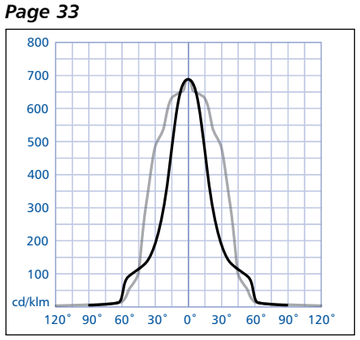
ZEX218/HF

PC 005
CHANDLER IP65 TWIN
Page 23



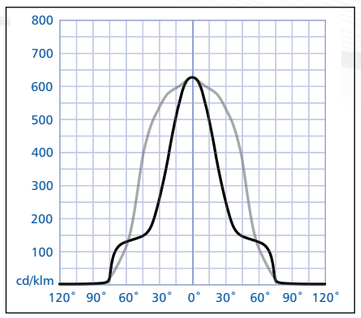
CE158/LV

PC 006
HAMBLE IP65
Page 33



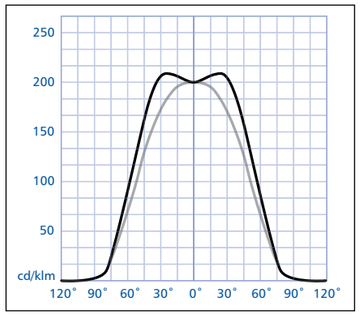
WFL70S/POLY

PC 007
ROMA IP65
Page 35



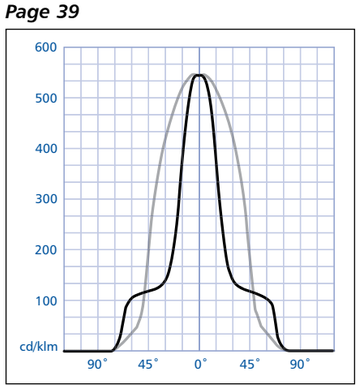
WFL400S/POLY

PC 008
ROMA ULL IP65
Page 37



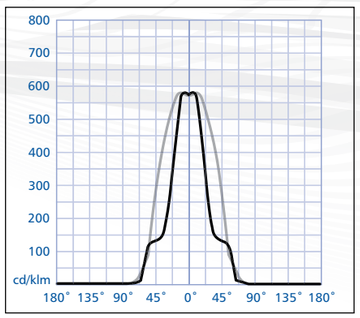
WFL100END/POLY

PC 009
VELA IP65
Page 39



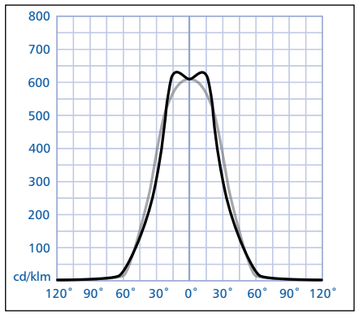
WFL150Q/POLY(V)

PC 010
SOLENT IP65
Page 41



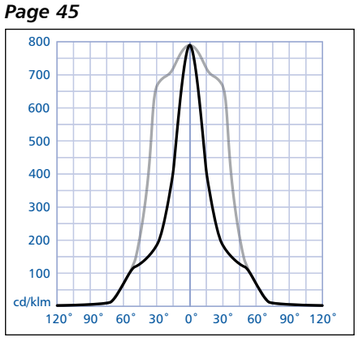
WFL400S

PC 011
SOLENT 1 IP65
Page 43



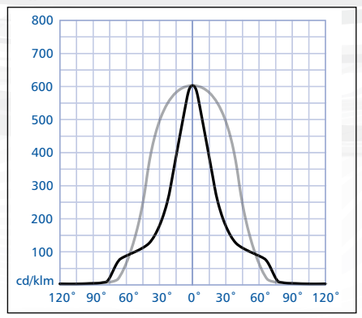
TMP70Q

PC 012
VENUS IP65
Page 45



WFL1000Q

PC 013
VIRTUS IP65
Page 47



WFL1000S/VIR

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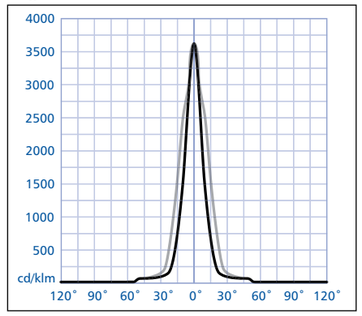
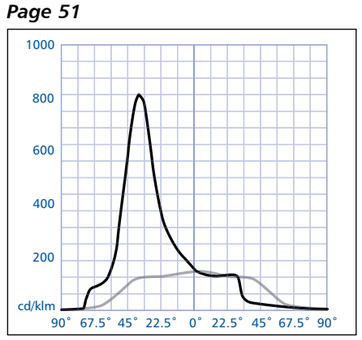
VEGA IP66
Page 49



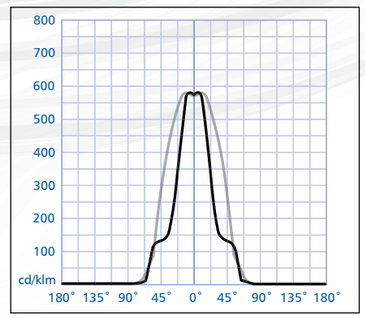
VGA2000Q (without IGCB or AGV)

PC 015
ZEXEN FL ZONE 2 IP66
Page 51



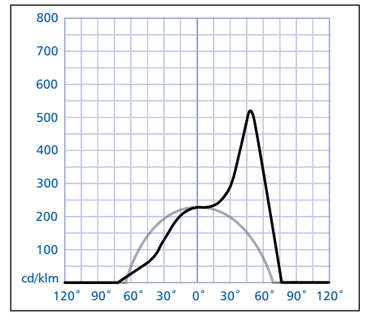
ZFL400S

PC 016
MARS IP65
Page 53



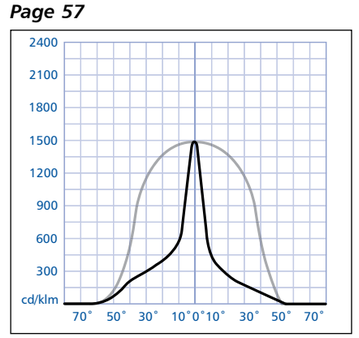
WFL400S/MARS

PC 017
SILVER SOLENT IP66
Page 55



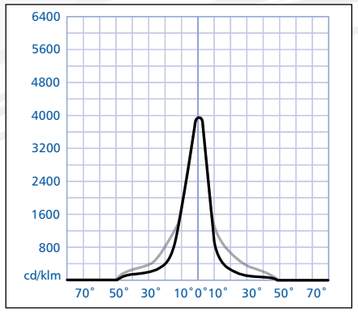
SSO400Q

PC 018
SILVER SPEAR 2000 IP66
Page 57



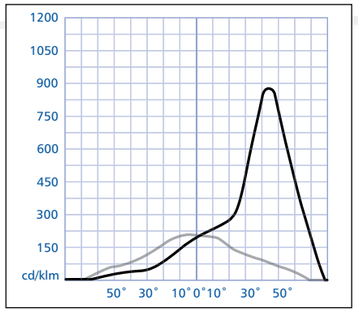
SSP2000Q/SYN

PC 019
SILVER SPEAR 2000 IP66
Page 57



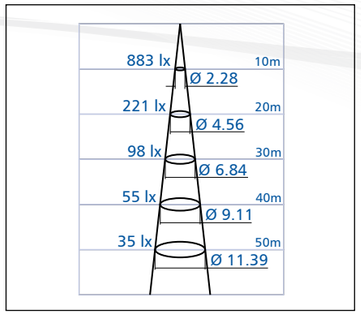
SSP2000Q/HIC

PC 022
SILVER LANCE 1000 IP66
Page 59



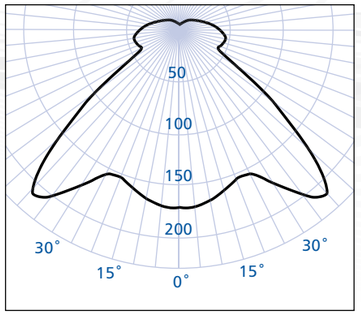
SLA1000Q/ASN

PC 025
VERSA®
Page 67



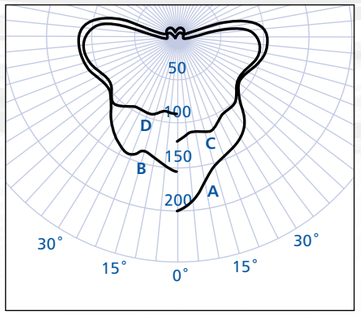
VER150Q

PC 028
ROMSEY REFRACTOR IP20
Page 79



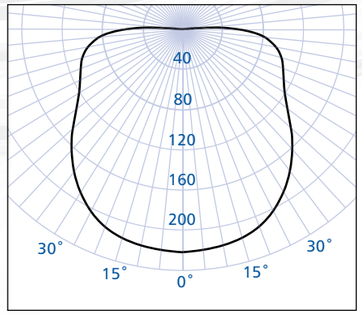
PCHB400Q

PC 031
SILVER COMFORT IP66
Page 85



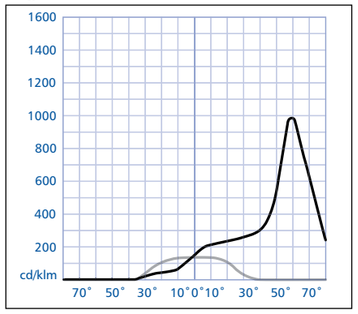
SCO400Q/PREF/CD **A, B, C & D = lamp positions**

PC 034
WIN IP65
Page 99



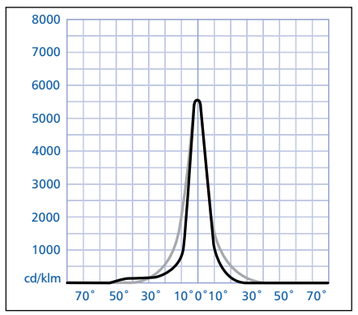
WINS

PC 020
SILVER SPEAR 2000 IP66
Page 57



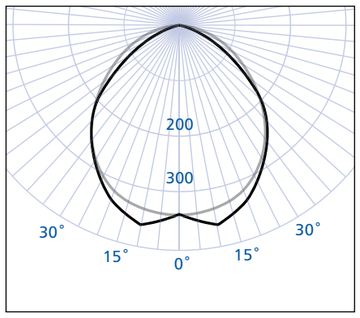
SSP2000Q/ASN

PC 023
SILVER LANCE 1000 IP66
Page 59



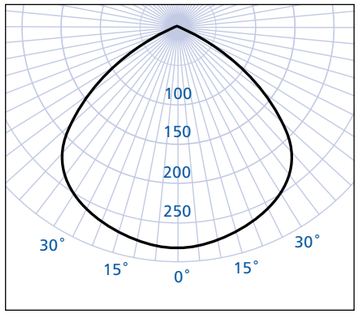
SLA1000Q/HIC

PC 026
ECHO ULL IP20
Page 75



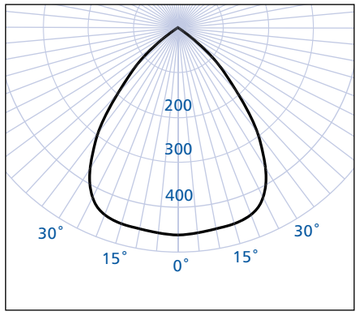
ECLB150END

PC 029
LUNAR IP65
Page 81



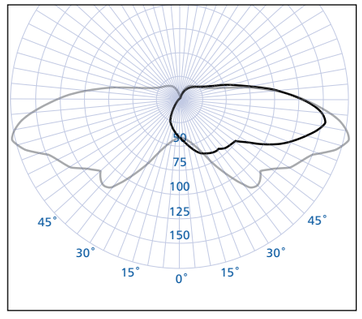
WHB400Q

PC 032
POLAR HIGH POWER IP20
Page 87



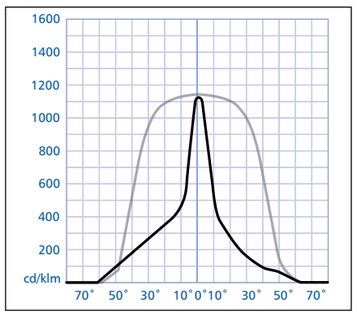
HBL1000Q

PC 035
RAMA IP65
Page 109



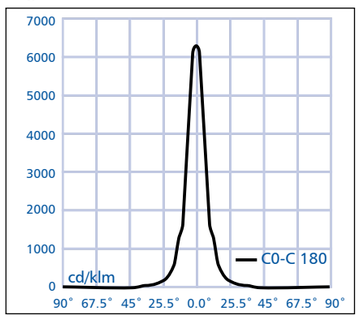
WWP70S

PC 021
SILVER LANCE 1000 IP66
Page 59



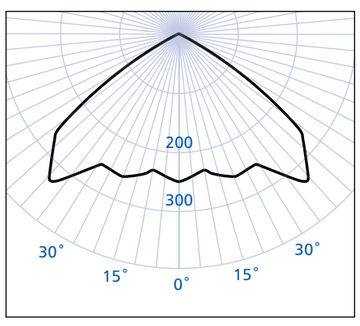
SLA1000Q/SYN

PC 024
VERSA®
Page 67



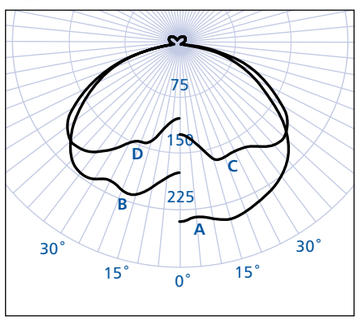
VER150Q

PC 027
ROMSEY REFLECTOR IP20
Page 77



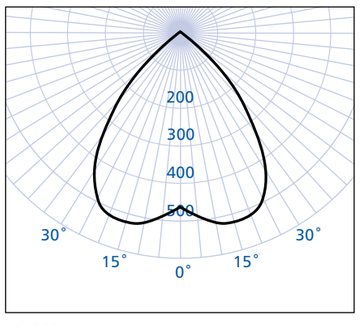
CHB400Q

PC 030
SILVER COMFORT IP66
Page 85



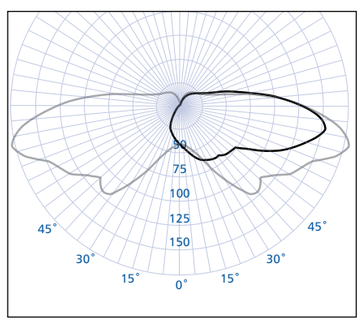
SCO400Q/SREF/CD **A, B, C & D = lamp positions**

PC 033
POLAR PROFESSIONAL IP20
Page 89



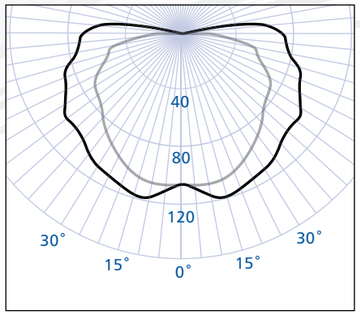
HB400S

PC 036
SPACER IP65
Page 111



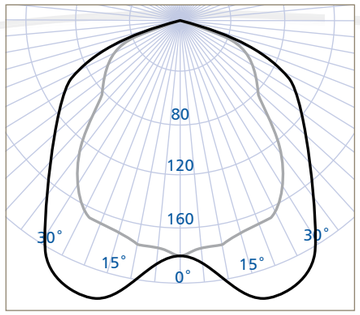
WWPC70S

PC 037
ZEXEN BH ZONE 2 IP65
Page 113



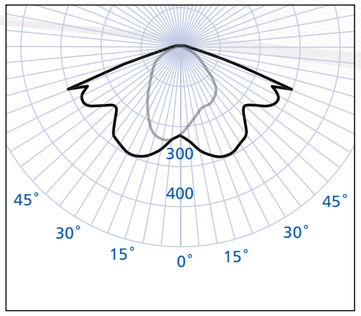
ZBH70S

PC 040
RONDO
Page 119



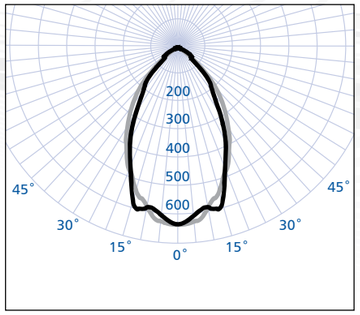
RDL218

PC 043
ASTRA 1,2 & 3 IP65
Page 123



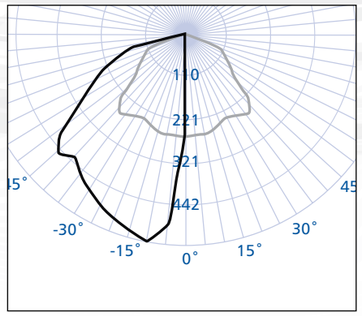
AST2/250S

PC 046
ACRUX LED
Page 177

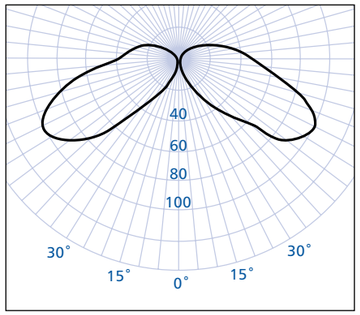


ACRUX LED 55W

PC 049
DECO LED
Page 195

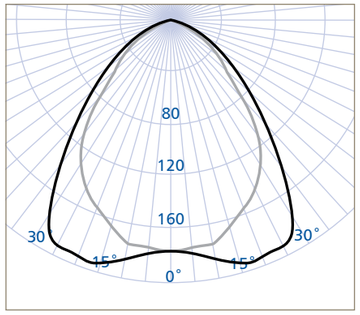


PC 038
BOLARD IP65
Page 115



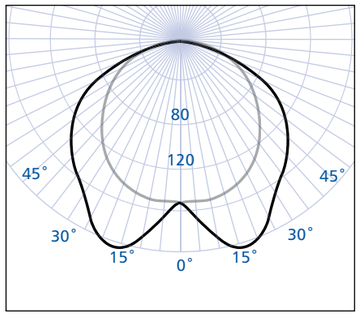
WBL1170QP

PC 041
RONDO
Page 119



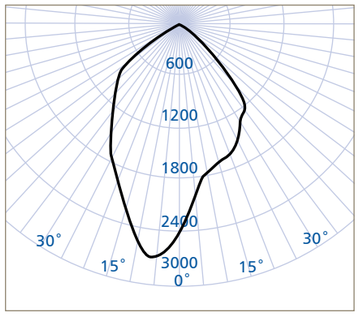
RDL218/FL

PC 044
ASTRA 3 ULL IP65
Page 125



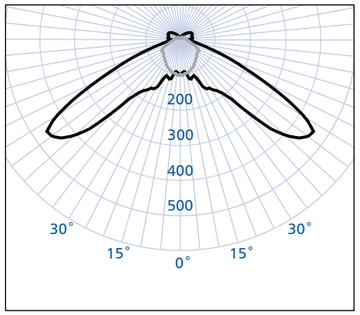
AST3/100END

PC 047
LED FLOODLIGHT - SPOT
Page 191



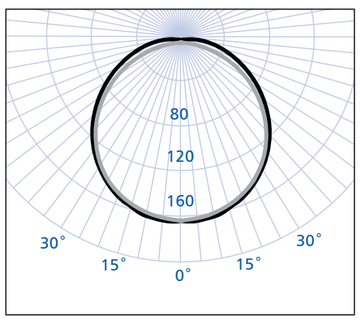
FLS70W

PC 050
STREET-LED
Page 199



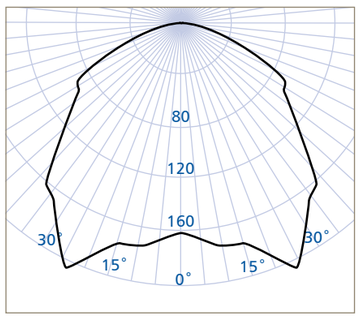
LVLED3000

PC 039
SPECTRUM
Page 117



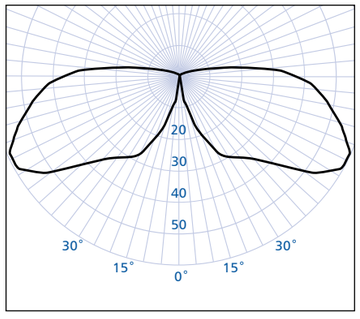
SPE128 OPAL

PC 042
RONDO
Page 119



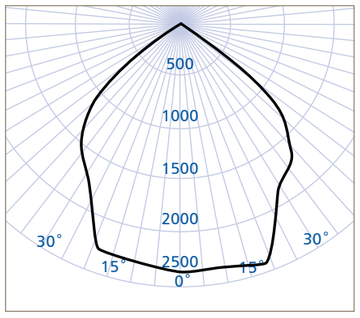
RDL126

PC 045
PLAZA® IP65
Page 129



150W HPS-E

PC 048
LED FLOODLIGHT - FLOOD
Page 191



FLB70W

Resistance Table

CHEMICAL RESISTANCE INFORMATION
FOR GUIDANCE PURPOSES ONLY

✓ Resistant

▲ Resistant within limits

✗ Not resistant

Chemical Material Investigated	Aluminium	Glass Reinforced Polyester	Acrylic	Polycarbonate	Stainless Steel
Acetic Acid up to 5%	▲	✓	✓	✓	✓
Acetic Acid up to 15%	✗	✓	✓	✓	✓
Acetone	✓	✗	✗	✗	✓
Alcohol up to 30%	▲	✓	✓	✓	✓
Alcohol concentrate	✓	✗	✗	✓	✓
Ammonia 25%	✓	▲	✓	▲	✓
Aniline	✓	✗	✗	✗	✓
Aromatic Hydrocarbons	✓	▲	✓	▲	✓
Battery Acid	✗	✓	✓	▲	▲
Benzene	✓	✗	✗	▲	✓
Carbon Dioxide	✓	✓	✓	✓	✓
Carbon Monoxide	✓	✓	✓	✓	✓
Carbon Tetrachloride	▲	▲	▲	✓	✓
Caustic Soda 2%	✗	▲	✓	✗	✓
Caustic Soda 10%	✗	✗	✓	✗	✓
Chloroform	✓	✗	✗	✗	▲
Common Salt	▲	✓	✓	▲	✓
Crude Oil	✓	✓	✓	▲	✓
Diesel Oil	✓	✓	✓	▲	✓
Dioxane	▲	✓	✗	✗	✓
Ether	✓	▲	✗	✗	✓
Ethyl Acetate	✓	✗	✗	✓	✓
Glycerine	✓	✓	✓	▲	✓
Glycol	✓	✓	✓	✓	✓
Hydrobromic Acid	✗	✗	▲	✗	✗
Hydrocarbons	✓	▲	▲	▲	✓
Hydrochloric Acid 5%	✗	✓	✓	✓	✗
Hydrochloric Acid 30%	✗	✓	✓	✓	✗

Chemical Material Investigated	Aluminium	Glass Reinforced Polyester	Acrylic	Polycarbonate	Stainless Steel
Hydrochloric Acid 96%	✗	✓	✓	✓	✗
Hydrogen Peroxide 40%	▲	✗	✓	▲	✓
Hydrogen Peroxide over 40%	✓	✗	▲	✗	✓
Hydrogen Sulphide	✓	✓	✓	✓	✓
Keytones	✓	✗	✗	✓	✓
Lysol	✓	✗	✗	✗	✓
Metal Salts and their aqueous solutions	✗	✓	✓	✓	▲
Methanol	✓	▲	✗	✓	✓
Methylene Chloride	▲	✗	✗	✗	✓
Milk of Lime	✗	✓	✓	▲	✓
Nitric Acid 5%	✗	✓	✓	✓	✓
Nitric Acid 30%	✗	▲	▲	▲	▲
Nitric Acid concentrate	✗	✗	✗	✗	✓
Petrol	✓	✓	✓	✓	✓
Petroleum Ether	✓	▲	✓	✓	✓
Phenol	▲	✗	✗	✗	✓
Pyridine	✓	✗	✗	✓	✓
Sea Water	▲	✓	✓	✓	✓
Soap Suds	▲	✓	✓	▲	✓
Soda	✗	✓	✓	✓	▲
Sulphuric Acid 5%	✗	✓	✓	✓	✗
Sulphuric Acid 30%	✗	✓	✓	✓	✗
Sulphuric Acid concentrate	✗	✗	✗	▲	✗
Sulphurous Acid 5%	▲	▲	✓	✗	▲
Synthetic detergent	✗	✓	✓	✓	✓
Turpentine	✓	✓	✓	✓	✓
Water up to 70°C	✓	✓	✓	✓	✓
Xylene	✓	✗	✗	✗	✓

Glossary

General Terms

Lumen Output symbol: lm
The SI unit of luminous flux. A quantity of light emitted by a source ie: A lamp.

Illuminance symbol: E Unit: lux
The luminous flux at a point on a surface.

Lux symbol: lx
The unit of illuminance, equal to one lumen per square metre.

Lumens per Watt
The ratio of light emitted by a lamp to the power consumed by the lamp.

FFL
Finished Floor Level.

WP
Working Plane (The surface or level on which light is measured).

Maintenance Factor
The method for calculating light loss after installation.

RSMF (Room Surface Maintenance Factor)
Calculates the loss of light from reflective surfaces such as floors and walls.

LMF (Luminaire Maintenance Factor)
Considers the loss of light from a luminaire after a given usage due to dirt disposition.

LLMF (Lamp Lumen Maintenance Factor)
The proportion of the initial light output of a lamp produced after a given time.

Non-Maintained Emergency Lighting
A luminaire incorporating one or more lamps which function from the emergency supply only upon full mains failure.

All dimensions shown are in millimetres.

Maintained Emergency Lighting
A luminaire incorporating one or more lamps which function from both mains and emergency supply.

Combined Emergency Lighting
A luminaire incorporating two or more lamps, one of which only functions from the emergency supply.

Ingress Protection

IP Rating
Ingress Protection - the IP code followed by two significant digits shows the fixture protection against solid bodies and liquids. Degree of protection (IEC 529 publication). First digit against solid bodies and electric shocks. Second digit against ingress of water.

Initial Number
1 Solid objects over 50mm
2 Solid objects over 12mm
3 Solid objects over 2.5mm
4 Solid objects over 1mm
5 Harmful deposits of dust
6 Any ingress of dust

Secondary Number
1 Dripping water
2 Dripping water when enclosure tilted up to 15°
3 Water sprayed 60° from the vertical
4 Water splashed from any angle
5 Water propelled by jets
6 Water from heavy seas
7 Immersion to a depth of 1m
8 Total immersion

INVESTOR IN PEOPLE
An Investor in People develops effective strategies to improve the performance of the organisation through its people.

wirefield

Quality – Wirefield Ltd is committed to providing customers with in-depth quality products. Our policy is to manufacture and supply only products that ensure safety, quality, performance and reliability.

Quality Assurance ISO 9001-2008 – We operate a rigorous policy conforming to registration of ISO 2000 quality system. All our activities associated with ISO including, production, development, testing, despatch, customer relations and general administration are monitored to give our customers first class products and service.

The **ENEC** mark represents the harmonisation of the major European approval authorities and ensures that the products which carry the mark comply with the most stringent international conditions and regulations relating to EN 60 598.

The **CE** mark signifies that a product conforms to the requirements of relevant EEC directives relating to Electromagnetic compatibility (EMC) and the Low Voltage Directive (LVD).

Where appropriate all Wirefield products are tested and comply with all the above directives.

Wattage	Type	Lumen Output	Ra	BLF Output	Circuit Watts Magnetic B2 Max	Circuit Watts HF A2
T8 Triphosphor						
18	T8	1350	80-89	0.12	26	19
36	T8	3350	80-89	0.08	43	36
58	T8	5200	80-89	0.07	67	55
70	T8	6200	80-89	0.07	80	68
T5 Triphosphor (@ 25°C)						
14	HE T5	1200	80-89	0.16	-	17
21	HE T5	1900	80-89	0.16	-	24
24	HO T5	1750	80-89	0.12	-	26
28	HE T5	2600	80-89	0.12	-	32
35	HE T5	3300	80-89	0.13	-	39
39	HO T5	3100	80-89	0.08	-	43
49	HO T5	4300	80-89	0.07	-	55
54	HO T5	4450	80-89	0.06	-	60
80	HO T5	6150	80-89	0.05	-	88
T5 Circular						
22	T5C	1800	80-89	0.15	-	25
40	T5C	3200	80-89	0.08	-	46
55	T5C	4200	80-89	0.07	-	66
TC-L						
36	TC-L	2600	80-89	0.09	43	36
40	TC-L	3100	80-89	0.06	-	45
55	TC-L	4300	80-89	0.09	-	62
80	TC-L	6500	80-89	-	-	84
TC-D, TC-T and 2D						
13	TC-D	900	80-89	0.08	18	18
18	TC-D	1200	80-89	0.15	24	24
26	TC-D	1700	80-89	0.11	32	32
26	TC-TE	1700	80-89	0.11	-	32
32	TC-TE	2200	80-89	0.10	-	35
42	TC-TE	3200	80-89	0.08	-	46
16	2D	1050	80-89	0.18	21	16
28	2D	2050	80-89	0.09	34	28
38	2D	3000	80-89	0.07	49	36
SON Tubular						
150	SON-T E40	15000	25	-	172	-
250	SON-T E40	26000	25	-	276	-
400	SON-T E40	47000	25	-	431	-
SON Eliptical						
70	SON-E E27	5800	25	-	86	-
150	SON-E40	15000	25	-	172	-
250	SON-E40	26000	25	-	76	
400	SON-E40	47000	25	-	431	-
HQI Tubular						
70	HIT E27	5600	68	-	86	-
150	-	14000	68	-	172	-
250	HIT E40	20000	68	-	276	-
400	HIT E40	38000	68	-	431	-
HQI Eliptical						
70	HIPE	5600	65	-	86	-
150	HIPE E40	14000	70	-	172	-
250	HIPE E40	20000	65	-	276	-
400	HIPE E40	38000	65	-	431	-
HQI Double Ended						
70	HQI-DE	5600	70	-	86	-
150	HQI-DE	14000	70	-	172	-
CDM Double Ended						
70	CDM-TD	7000	85	-	86	79
150	CDM-TD	14000	85	-	172	161

Terms & Conditions of Sale

WIREFIELD LIMITED ("THE COMPANY")

1. General
(a) Any order sent to the Company by the Purchaser shall be accepted entirely at the discretion of the Company, and, if so accepted, will only be accepted upon these conditions (hereafter referred to as the "Conditions") and by means of the Company's standard order acknowledgment form.
(b) Each order which is so accepted shall constitute an individual legally binding contract between the Company and the Purchaser and such contract is hereafter referred to in these Conditions as an "Order".
(c) These Conditions shall override any contrary different or additional terms or conditions (if any) contained on or referred to in an order form or other documents or correspondence from the Purchaser, and no addition alteration or substitution of these terms will bind the Company or form part of any Order unless they are expressly accepted in writing by a person authorised to sign on the Company's behalf.
(d) Acceptance of delivery of goods subject to an Order ("the Goods") shall be deemed conclusive evidence of the Purchaser's acceptance of these Conditions.
(e) The Purchaser acknowledges that in entering into the contract for the purchase of the Goods incorporating these Conditions it has not done so in reliance upon any representation or warranty except as expressly provided herein.

2. Validity of Quotation
Any quotation given by the Company will remain valid for no longer than 60 days from issue, unless stated otherwise in writing.

3. Prices
The price payable in consideration of the Goods ("the Price") shall be either: (a) the Price agreed between the parties in respect of the Order in question or, (b) if no such Price is agreed, as provided in the Company's price list current at the date of dispatch of the Goods in question, subject to any variation provided for and with the addition of any sums payable under these Conditions. The Price payable is subject to Value Added Tax at the applicable rate.

4. Variation
The Company may by written notice to the Purchaser vary the Price if: any alteration in the supply of the Goods is made with the agreement or at the request of the Purchaser including but not limited to an alteration in the quantity of the Goods; or there is any suspension or hindrance to the supply of the Goods as a result of the Purchaser's instructions or failure to provide such instructions, approvals, access, any particulars or information or to otherwise accept delivery or performance or undertake collection within the agreed timescales.

5. Payments
(a) Unless otherwise agreed in writing, payment for Goods supplied will become due upon delivery.
(b) Where the Company has agreed in writing to open a credit account for the Purchaser, payment shall be due in full in pounds sterling by the end of the month following the month in which the Company's invoice was issued, invoices being issued at any time after delivery of the Goods or earlier if the Company is ready to make or continue delivery but is unable to do so due to the Customer's instructions or failure to provide such instructions, approvals, access, or any particulars or information or to otherwise accept delivery or performance or undertake collection within the timescales agreed.
(c) All invoices must be paid in full. An early settlement discount may be taken if agreed in writing in advance by the company and is conditional on the invoice being paid before the due date. Any retrospective rebates offered by the company may not be offset against invoices for Goods supplied.
(d) Payment by cheque does not deem a payment until the said cheque is honoured.
(e) Time for payments due hereunder to the Company, shall be of the essence and in the event of any payment being overdue the Company shall be entitled to claim interest at a rate of 3 percent above the HSBC Bank base rate, accruing daily until the overdue amounts are paid. In the event of payment being overdue, the Purchaser shall indemnify the Company in full against all loss, costs, damages, charges, and expenses incurred by the Company including (without limitation) any legal expenses (of whatsoever nature) and court fees incurred as a result of such late payment.
(f) The Company reserves the right to suspend the supply of the Goods and/or cancel any allowance or further credit in the event of any payments not being made when due or if the Company in its sole discretion at any time considers the financial position of the Purchaser has ceased to justify any such terms being permitted.

6. Delivery and Risk
(a) Unless otherwise stated in the Order, and subject to a minimum net Order value of £250, the price quoted includes delivery to the address specified in the Order, provided that the Seller reserves the right to make an additional charge to cover any increase in transport costs occurring before the date of delivery. Any Order with a net value of less than £250, or requiring delivery to more than one destination or a destination outside mainland UK will be subject to an additional carriage charge.
(b) Any time or date for delivery given by the Company is given in good faith, but is an estimate only and not a contractual statement. Should the Company's estimates prove inaccurate it will use its reasonable endeavours to notify the Purchaser of the rescheduled periods or dates for the delivery of the Goods at the earliest reasonable opportunity.
(c) Risk in the goods shall pass to the Purchaser upon delivery to or collection by or on behalf of the Purchaser and thereafter the Goods shall be at the Purchaser's risk.
(d) The Purchaser shall be deemed to have accepted the Goods within 7 days of the date of delivery or collection (as the case may be).
(e) The Purchaser shall not in any event be entitled to reject the Goods on the basis of any failure to correspond with the quantities required under the Order which is so slight that it would be unreasonable for the Purchaser to reject.
(f) Where it is agreed to part deliver goods against an official order, each separate instalment should be treated, for payment terms, as an individual order.

7. Title
(a) Title to the Goods comprised in each consignment shall not pass to the Purchaser until the Company has received in cash or cleared funds payment of the Price in full, but, even though title has not passed, the Company shall be entitled to sue for the Price once its payment has become due.
(b) Whilst the Purchaser may resell or use the Goods in the ordinary course of its business, until such time as title in the Goods passes to the Purchaser the Purchaser shall otherwise hold the Goods as the Company's fiduciary agent and bailee and shall keep such Goods separate from those of the Purchaser and third parties, properly stored, protected and insured and identified as the Company's property.
(c) Until such time as the title in the Goods passes to the Purchaser, the Purchaser shall have a right to possession of the Goods provided that such right shall cease in circumstances where (i) the Purchaser has not paid for the Goods on the date when payment became due under these Conditions; (ii) the Purchaser is declared insolvent or makes any proposal to its creditors for a composition or other voluntary arrangement; or (iii) a receiver, liquidator or administrator is appointed in respect of the Purchaser's business. On a cessation of the Purchaser's right to possession of the Goods in accordance with this clause, the Company will be entitled to repossess the Goods from any premises where they are stored. For the purposes of repossessing in accordance with this clause, the Purchaser will permit the Company, its employees and/or agents to enter upon such premises and the Purchaser shall pay to the Company the cost of removal and transport of the Goods.

8. Loss or Damage in Transit
The Company will replace free of charge any goods proved to the Company's satisfaction to have been damaged in transit provided that within 48 hours after delivery both the Company and the carriers have received from the Purchaser notification in writing of the occurrence of the damage and also, if and so far as practicable, of its nature and extent.

9. Defects after Delivery
(a) In respect of all Goods manufactured by the Company, the Company shall free of charge either repair or, at its option, replace defective Goods where the defects appear under proper use within 12 months from the date of delivery, PROVIDED THAT:
- notice in writing of the defects complained of shall be given to the Company upon their appearance, and
- such defects shall be found to the Company's reasonable satisfaction to have arisen solely from the Seller's faulty design, workmanship or materials, and
- the defective Goods shall be returned to the Company's factory at the Purchaser's expense if so requested by the Company.
- all warranties exclude consumables such as lamps and batteries.

(b) Any repaired or replaced Goods shall be redelivered by the Company free of charge to the original point of delivery but otherwise in accordance with and subject to these Conditions of Sale.
(c) Alternatively to Clause 9(a) the Company shall be entitled at its absolute discretion to refund the price of the defective Goods in the event that such price shall already have been paid by the Purchaser to the Company, or, if such price has not been so paid, to relieve the Purchaser of all obligation to pay the same by the issue of a credit note in favour of the Purchaser in the amount of such price.
(d) In respect of all Goods manufactured and supplied to the Company by third parties the Company will pass on to the Purchaser (in so far as possible) the benefit of any warranty given to the Company by such third parties and will (on request) supply to the Purchaser details of the terms and conditions of such warranty and copies of any relevant product information sheets, technical data sheets or product leaflets issued by such third parties and the Purchaser shall be solely responsible to the entire exclusion of the Company for complying with all of these.
(e) The Company's liability under this Clause shall be to the exclusion of all other liability to the Purchaser whether contractual, tortious or otherwise for defects in the Goods or for any loss or damage to or caused by the Goods, and all other conditions, warranties, stipulations or other statements whatsoever concerning the Goods, whether express or implied, by statute, at common law or otherwise howsoever, are hereby excluded; in particular (but without limitation of the foregoing) the Company grants no warranties regarding the fitness for purpose, performance, use, nature or quality of the Goods, whether express or implied, by statute, at common law or otherwise howsoever.

10. Limitations of Liability
(a) The Company does not seek to exclude or restrict any legal liability it may have for death or personal injury resulting from the negligence of the Company, its employees, agents or sub-contractors.
(b) The Company does not exclude or restrict any of its legal obligations arising under section 12 of the Sale of Goods Act 1979 and/or Section 2 of the Supply of Goods and Services Act 1982. All other terms, conditions, warranties or other undertakings, whether express or implied by statute, common law, trade usage, custom, or otherwise are excluded from and by these Conditions.
(c) The Company shall not be liable in respect of any loss or damage of whatever kind, to premises or other tangible property (whether arising by reason of the negligence of the Company or otherwise) arising out of or in connection with the Goods or the use to which the Purchaser puts the Goods. In the event of legal liability being established the Company shall not be liable to pay damages arising from the aforementioned loss or damage.
(d) The Company shall in no circumstances be liable for economic loss, loss of profit or indirect loss or damage of the Purchaser including, without limitation, any damage to its business, (whether arising by reason of negligence of the Company or otherwise) arising out of or in connection with the Goods (including any delay in or failure to undertake the supply of the Goods) or the use to which the Purchaser puts the Goods. In the event of any legal liability being established the Company shall not be liable to pay damages arising fro the aforementioned loss or damage.
(e) In the event of legal liability being established against the Company in respect of the Goods, then the Purchaser's sole rights of redress against the Company shall be limited to the payment of any claim or claims for damages the total for which will in no circumstances exceed the price paid for the Goods specified in the Order.

11. Storage
If the Company shall be unable, through circumstances beyond its control (including without limitation lack of shipping instructions from the Purchaser), to deliver the Goods within 14 days after notification to the Purchaser or its agent that the Goods are ready for delivery, the Company shall be entitled to arrange storage on behalf of the Purchaser, whereupon delivery shall be deemed to have taken place, all risk in the Goods shall pass to the Purchaser, and delivery to the Purchaser of the relevant warehouse receipt shall be deemed to be delivery of the Goods for the purposes of Clause 6. All charges incurred by the Company for storage or insurance shall be paid by the Purchaser within 30 days of submission of an invoice.

12. WEEE Directive
Unless otherwise agreed in writing between the customer and Wirefield:-
12.1 The Customer shall:
12.1.1 be responsible for financing the collection, treatment, recovery and environmentally sound disposal of:
12.1.2 all WEEE (excepting gas discharge lamps) arising or deriving from the Products; and
12.1.3 all WEEE (excepting gas discharge lamps) arising and deriving from products on the market prior to 13 August 2005 where such products are to be replaced by the Products and the Products are of an equivalent type or are fulfilling the same function as that of such products;
12.1.4 comply with all additional obligations placed upon the Customer by the WEEE Regulations by virtue of the Customer accepting the responsibility set out in clause (12.1.1); and
12.1.5 provide the Customer's WEEE compliance scheme operator with such data, documents, information and other assistance as such scheme operator may from time to time reasonably require to enable such operator to satisfy the obligations assumed by it as a result of the Seller's membership of the operator's compliance scheme.
12.2 The Customer shall be responsible for all costs and expenses arising from and relating to its obligations in clause 12.1). excepting gas discharge lamps in which case a charge will have been levied at the outset and the Customer must contact the compliance scheme of the actual gas discharge lamp branded manufacturer to arrange recycling.
12.3 Further information in respect of the arrangements set out in clause 12.1. can be found at www.electrolink.eu.com by clicking on the 'WEEE FINAL USERS' button and quoting WEEE registration number WEE/GG0061TU where prompted

13. Export
These Conditions apply only to the UK mainland. For export please request specific details.

14. Product and Availability
All Goods supplied by the Company shall be in accordance with the Order. No other specification, descriptive material, written or oral representation, correspondence or statement, catalogue, promotional or sales literature shall form part of or be incorporated by reference into the Order.

15. Termination
The Company shall be entitled to immediately by written notice to the Purchaser terminate the contract for the Goods incorporating these Conditions in circumstances where: (i) the Purchaser breaches any provision of these Conditions and, in a breach capable of remedy, fails to remedy the same within 14 days of receipt of a written notice giving particulars of the breach and requiring it to be remedied, or (ii) the Purchaser is unable to pay its debts, is declared bankrupt, enters into compulsory or voluntary liquidation (other than for the purpose of effecting a reconstruction or amalgamation), compounds with or convenes a meeting with its creditors, has a receiver or manager or administrator appointed, or ceases for any reason to carry on business.

16. Force Majeure
(a) The Company cannot accept any liability in relation to the Goods wherever and to the extent to which fulfilment of the Company's obligations is prevented, frustrated, impeded and/or delayed as a consequence of any occurrence whatsoever beyond its reasonable control including, without limitation, any adverse weather conditions, road traffic accidents, strike, lock-out, or other form of industrial action, disease, unavailability of materials or production breakdowns.
(b) The Company undertakes to make every reasonable endeavour to overcome any difficulties so occasioned but reserves the right to cancel, suspend, or vary its obligations in these circumstances and/or, by written notice, to the Purchaser, vary the Price to reflect any increased costs incurred by the Company in overcoming such difficulties.

17. Law
This contract shall be subject to and interpreted in accordance with the laws of England and the parties hereby submit to the exclusive jurisdiction of the English Courts.

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In keeping with the company's policy of continued development, Wirefield reserve the right to change specifications without notice. The information contained herein is representative only of general models and does not form part of any contract.

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