

Adverse



A selection of rugged bulkheads and weatherproof fluorescent lighting products for adverse applications.





Mini 300
598



Wall Mate
599



Centrina LED
600



TWP
602



TWH
603



Maxipac®
604



Powerlite
605



NXS
606



NXS Stainless
Steel
607



NXS LED
608



Mine Master HID
610



Vandalux®
612



Vandaguard®
616



Vandalux &
Vandaguard LED
620

Adverse





Mini Vandalite
622



Quasar
623



Vanda 5
624



Vandalite T5
626



BWP/TLED
628



BWP/T
632



BWP/T5
634



Futurix
638



PWP™ & PWA™
639



SDW & SDWA
642



Forma
643



KWP
644



A selection of rugged bulkheads and weatherproof fluorescent lighting products for adverse applications.

How to Identify a Professional (Industrial) Lighting Solution? Six Easy Steps



Stainless steel hardware



Thermally tested to
meet 40° C ambient



IP 65 termination glands



Robust aluminium housing



Professional silicone
gasket systems



Simple lamp maintenance access

Mini 300

The Mini 300 with superior optical performance using a unique reflector coating and energy efficient lamp technology.



Specifications

- Optional asymmetric or wide symmetrical distributions available
- Unique reflector system is coated with a patented, highly efficient coating system
- Surface mounted and recessed versions available plus a pole mounted version features in the Architectural section of this catalogue
- Body engineered in die-cast and deep drawn aluminium with a durable polyester powder coat paint finish
- Tempered clear glass cover with flush fitting, quick release catches
- Designed for horizontal ceiling orientation
- Supplied with CDM-TD 150W / 942 or CDM-T 250W/942 lamp and integral magnetic control gear
- Recessed version supplied with a separate mounting frame with a trim size 400 x 400mm and cut out 340 x 340mm

PHILIPS



Quick Spec

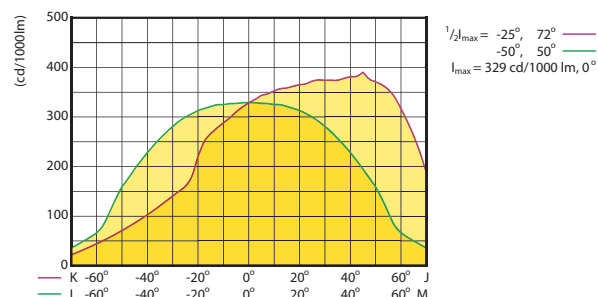
Philips Mini 300 with composite aluminium housing and tempered glass lens, high performance reflector system and integral HID gear.

Design Applications

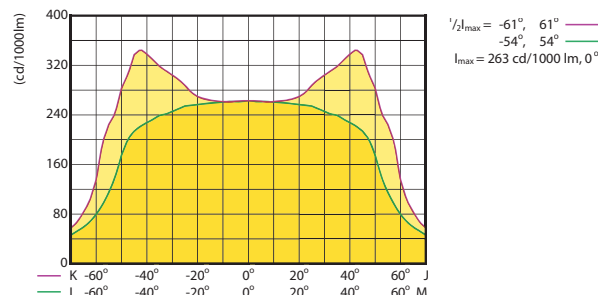
Larger retail areas such as car showrooms, bulk goods stores and supermarkets. Also suitable for petrol station forecourts and under awning lighting.

Performance

DBP300 A-WB 1 x CDM-TD150W / 942
L.O.R. = 0.84 1 x 14200 lm
Cartesian intensity diagram



DCP300 S-WB 1 x CDM-T250W / 942
L.O.R. = 0.88 1 x 23300 lm
Cartesian intensity diagram



Product Codes

Code	Version	Mass (kg)
DBP300A	150W Recessed asymmetric	9.0
DBP300S	150W Recessed symmetric	9.0
DCP300A	150W Surface mount asymmetric	9.0
DCP300S	150W Surface mount symmetric	9.0
DBP300S250	250W Recessed symmetric	10.0
DCP300S250	250W Surface mount symmetric	10.0



Wall Mate

A versatile luminaire with universal commercial and industrial applications, utilising energy efficient lamp systems.



Specifications

- One piece body made from injection moulded UV stabilised, black polycarbonate
- Clear prismatic, injection moulded polycarbonate diffuser
- Lens is securely fixed to the body by four captive stainless steel screws and integral hinge system
- The lens internal prism system affords a smooth exterior for easy cleaning while controlling light flux and glare
- Replaceable sealing gasket provides IP65 weather protection
- Australian designed and manufactured for local conditions
- Lamps included
- Designed for vertical wall mount installation



Quick Spec

Pierlite Wallmate IP65 polycarbonate housing with prismatic lens and integral control gear for low wattage HID and CFL lamps.

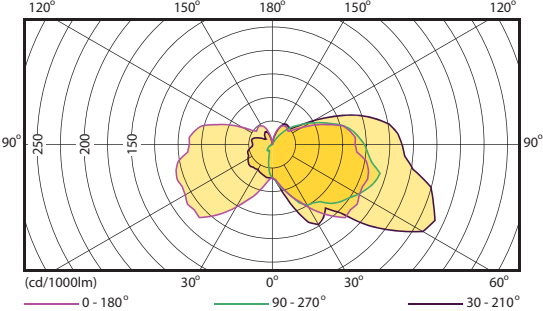
Design Applications

Suitable for general security lighting around building perimeters, car parks, pedestrian areas, forecourts, residential and industrial complexes.

Performance

UW100MH 1 x HIE 100W/C/U/LU/4K
L.O.R. = 0.71 1 x 8500 lm

Polar intensity diagram

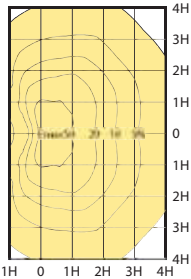


0°
max I60 = 1570 cd
max I80 = 152 cd / 1000 lm
max I90 = 147 cd / 1000 lm

43184

Horizontal
Illuminance

H (m)	E _{max} (lux)
3.0	65
3.5	48
4.0	37



Product Codes

Code	Version	Dim (mm)	Mass (kg)
UW100MH	100W MH-E27	335 x 260 x 190	7.0
UW226H	2 x 26W PLC	335 x 260 x 190	5.5
UW70SI	70W HPS-I	335 x 260 x 190	6.0
UW70MH	70W MH-E27	335 x 260 x 190	6.0

Accessories

UWWG Wire Guard

IP65



Max Dim(mm)
335 x 260 x 190



Adverse



599

Centrina LED

Cost effective, wall mounted bulkhead using energy efficient LEDs.



Specifications

- Total power of only 23W providing a low energy lighting solution
- LED technology with integral driver offer 50,000 hours life and low maintenance
- Hinged prismatic lens with diffuser gives a downward asymmetric distribution
- Robust polycarbonate lens and die-cast aluminium body
- Easy to install with multiple cable entry options
- Integral seal offers IP54 weather protection



Quick Spec

Pierlite Centrina 23W LED, die-cast IP54 aluminium body with hinged polycarbonate prismatic lens, LED panel with diffuser and integral driver.

Design Applications

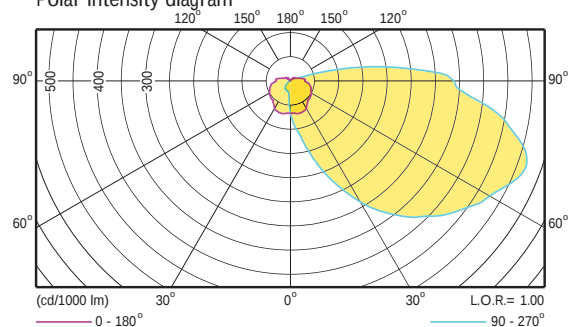
Ideal for security lighting around schools, hospitals, public buildings and industrial sites

Performance

Centrina CENT23WLED 1xLED/865

L.O.R.= 1.00 1 x 713 lm

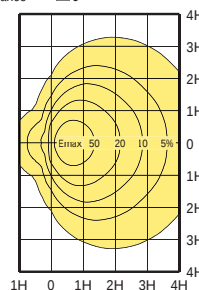
Polar intensity diagram



Horizontal Illuminance $\leq 10^\circ$

H (m)	E _{max} (lux)
2.0	33
3.0	15
4.0	8

M.F.= 1.0



600



Adverse

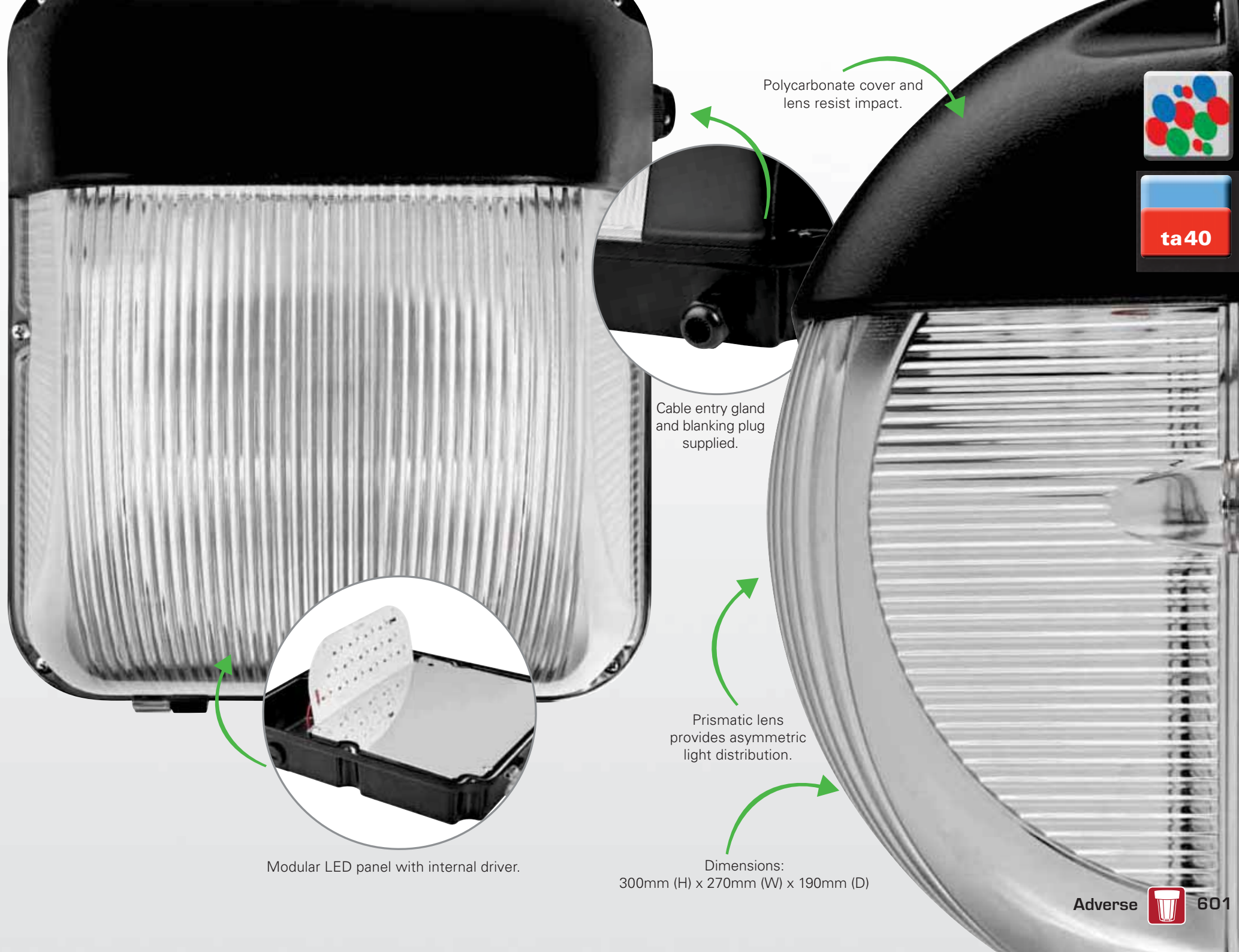


Max. Mass

Max Dim(mm)
300 x 270 x 190



PIERLITE
professional lighting solutions



Polycarbonate cover and lens resist impact.

Cable entry gland and blanking plug supplied.

Prismatic lens provides asymmetric light distribution.

Dimensions:
300mm (H) x 270mm (W) x 190mm (D)

Modular LED panel with internal driver.



ta40

Adverse



601

The TWP is a wall mounted, medium wattage bulkhead built for tough conditions.



Specifications

- Rugged die-cast aluminium rear housing finished in dark bronze, polyester powder coat paint
- One-piece, UV stabilised polycarbonate cover and refractor
- Cover component finished in dark bronze, polyester enamel
- Front cover hinges from top and is secured with two captive screws
- Cover and refractor sealed to rear housing with a compression gasket providing IP64 rating
- Lamp accessed from the front by opening the lens cover
- Designed for vertical wall mount installation
- Quality porcelain E27 or E39 / 40 lamp holders
- Rear housing has a top centre 3/4", plugged cable entry and centre back gasketed knockout option



Quick Spec

Pierlite TWP in die-cast aluminium housing with prismatic polycarbonate lens and integral HID or CFL control gear.

Design Applications

General security lighting around building perimeters, driveways, entrances, loading docks, walkways and vehicle ramps.

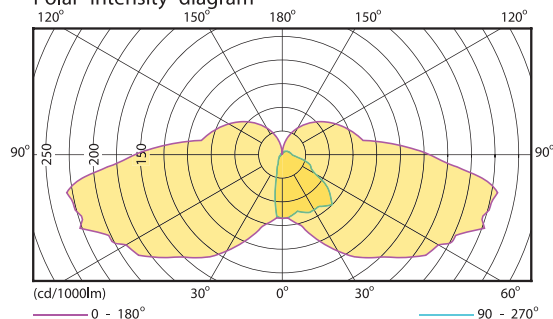
Performance

TWP70MH

L.O.R. = 0.68

1 x 5300 lm

Polar intensity diagram

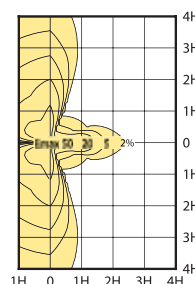


0°
max I60 = 1010 cd
max I80 = 231 cd / 1000 lm
max I90 = 195 cd / 1000 lm

1197021601

Horizontal Illuminance

H (m)	E _{max} (lux)
3.0	53
3.5	39
4.0	30



Product Codes

Code	Version	Dim (mm)	Mass (kg)
TWP100MH	100W MH	392 x 410 x 197	8.0
TWP150HPS	150W HPS	392 x 410 x 197	9.0
TWP175MH	175W MH	392 x 410 x 197	9.5
TWP157C	57W PLT	392 x 410 x 197	7.0
TWP70MH	70W MH	392 x 410 x 197	8.0
TWP70HPS	70W HPS	392 x 410 x 197	8.0

Accessories

TWPGW	Wire Guard
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Max Dim(mm)
392 x 410 x 197



A higher wattage bulkhead featuring a heavy duty prismatic borosilicate glass refractor.



Specifications

- Rugged, die-cast aluminium rear housing and front lens frame
- Finished in a matt black, polyester powder coat paint
- One piece heavy duty, pressed borosilicate glass lens retained by four internal metal clamps
- Front housing hinges from the top and is secured by two captive screws
- Front housing and refractor sealed to the rear housing with a compression gasket providing an IP65 rating
- Lamp and gear accessed from the front by removing the cover lens
- Designed for vertical wall mount installation
- Lamps included
- Quality porcelain E27 or E39 / 40 lampholders
- Rear housing has top centre 3/4" plugged cable entry with a 3/4" centre back gasketed knockout option



Quick Spec

Pierlite TWH in die-cast aluminium housing and framed prismatic borosilicate lens with IP65 seals and integral HID or CFL lamps and gear.

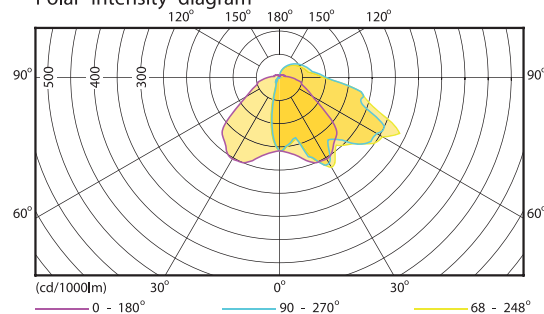
Design Applications

Used around large building perimeters or along access driveways, entrances, loading docks, walkways and vehicle ramps.

Performance

TWH250HPS 1 x NAV-T 250W E40
L.O.R. = 0.75 1 x 27000 lm

Polar intensity diagram

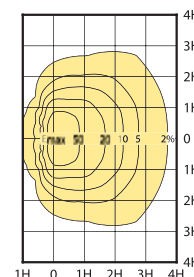


0°
max 160 = 6910 cd
max 180 = 179 cd / 1000 lm
max 190 = 100 cd / 1000 lm

1194121002

Horizontal Illuminance

H	E _{max}
(m)	(lux)
3.0	488
3.5	358
4.0	274



Product Codes

Code	Version	Dim (mm)	Mass (kg)
TWH100MH	100W MH	400 x 409 x 230	13.6
TWH150HPS	150W HPS	400 x 409 x 230	14.0
TWH175MH	175W MH	400 x 409 x 230	14.5
TWH250HPS	250W HPS	400 x 409 x 230	15.0
TWH250MH	250W MH	400 x 409 x 230	15.0
TWH70HPS	70W HPS	400 x 409 x 230	13.0
TWH70MH	70W MH	400 x 409 x 230	13.0
TWH157C	57W PLT	400 x 409 x 230	10.5

Accessories

TWHWG Wire Guard



Max Dim(mm)
400 x 409 x 230



This versatile economic bulkhead is ideal for both interior and exterior applications using energy efficient lamps.



Specifications

- Heavy duty, pressure die-cast LM6 aluminium body finished with a durable white polyester powder coat paint
- Clear injection moulded, high temperature acrylic diffuser; fixed to the body by two captive stainless steel screws
- The lens has internal prisms affording a smooth exterior for easy cleaning and optimum light distribution
- A circular compression gasket can be easily replaced, ensuring the high IP65 weather proof rating is maintained
- Quality E27 porcelain lamp holder for the HID models
- Lamp accessed from the front by removing lens cover screws
- Cabling is via 1 x 20mm entry located on the top of the body
- One extra knockout entry on the top and one on the back of the body
- Lamp included



Quick Spec

Pierlite Maxipac with aluminium body and acrylic prismatic lens, IP65 seal for low wattage HID and CFL lamps. .

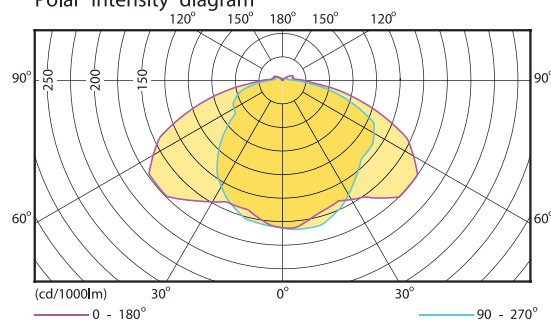
Design Applications

Ideal for use around industrial processing plants, heavy engineering plants, marine sites, car parks, schools, amenity blocks, general security lighting and pedestrian tunnels.

Performance

LPM80MV 1 x MV 80W
L.O.R. = 0.73 1 x 3700 lm

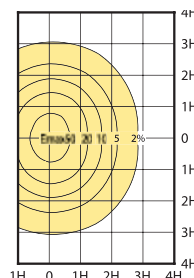
Polar intensity diagram



0°
max 160 = 594 cd
max 180 = 68 cd / 1000 lm
max 190 = 30 cd / 1000 lm

Horizontal
Illuminance

H (m)	E _{max} (lux)
3.0	64
3.5	47
4.0	36



Product Codes

Code	Version	Dim (mm)	Mass (kg)
LPC118M	18W PLC Maintained	315 x 220 x 155	3.5
LPC118NM	18W PLC Non-maintained	315 x 220 x 155	3.2
LPC218	2 x 18W PLC	315 x 220 x 155	3.5
LPM70HPSI	70W HPS-I	315 x 220 x 155	4.0
LPM70HPS	70W HPS	315 x 220 x 155	4.0
LPM70MH	70W MH	315 x 220 x 155	4.0



Max Dim(mm)
315 x 220 x 155



Powerlite

The Powerlite bulkhead has been designed with toughness in mind, providing a unique square lighting distribution.



Specifications

- Corrosion resistant high pressure die-cast, marine grade aluminium body
- Injection moulded high impact, UV resistant polycarbonate lens with internal prisms produce a wide square light distribution
- Silicone foam gasket system ensuring a high IP66 rating
- Single piece, high purity die formed aluminium reflector is mounted into a white powder coated back plate
- Lens frame is secured to the body by four captive, stainless steel screws
- Control gear mounted directly onto the body to provide optimum heat dissipation
- Cable entry is via 1 x M20 threaded entry at one end of the body
- Dia. 20mm hole outlines provided on each side and the centre back, for drilling



Quick Spec

Pierlite Powerlite in die-cast LM6 aluminium alloy with unique prismatic polycarbonate lens and integral HID control gear.

Design Applications

Suitable for larger industrial installations, conveyor belt lighting, cable tunnels, perimeter lighting, under canopies, multi-level car parks, and general security lighting.

Product Codes

Code	Version	Dim (mm)	Mass (kg)
PWR100HPS	100W HPS	410 x 270 x 198	6.5
PWR100MH	100W MH	410 x 270 x 198	6.5
PWR150HPS	150W HPS	410 x 270 x 198	7.0
PWR150MH	150W MH	410 x 270 x 198	7.0

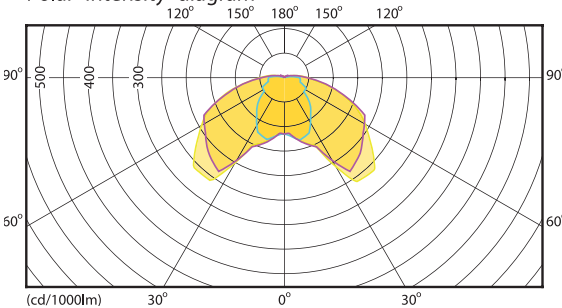
Accessories

PWR/BRKT	Galvanised Bracket
PWRWG	Wire Guard

Performance

PWR70HPS
L.O.R. = 0.82
1 x HPS-E/I 70W
1 x 5600 lm

Polar intensity diagram

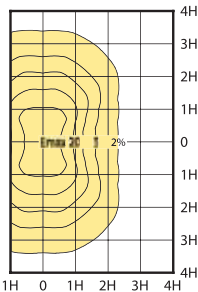


0°
max I60 = 1168 cd
max I80 = 101 cd / 1000 lm
max I90 = 50 cd / 1000 lm

22051

Horizontal
Illuminance

H	E _{max}
(m)	(lux)
3.0	89
3.5	66
4.0	50



IP66



Max Dim(mm)
410 x 270 x 198



Adverse



605

NXS

The NXS bulkhead offers an economical, compact and versatile solution for many adverse lighting applications.



Specifications

- Pressure die-cast LM6 aluminium with chromate treatment and black polyester powder coat
- Heavy duty borosilicate glass lens with internal prisms for optimum light distribution and smooth exterior for easy cleaning
- Trim secured to body by four stainless steel screws
- Optional wire guard or visor faces
- One piece, easy to replace silicone rubber gasket for all models
- Industrial version IP65 and mining version IP66 rated protection
- Ex Zone rated versions available
- All models with durable integral magnetic control gear
- Lamp accessed through front by removing the trim and lens cover, supported by two wire lanyards
- 4 x M20 threaded cable entries for easy wiring access and looping if required



Quick Spec

Pierlite NXS heavy duty die-cast LM6 aluminium body with prismatic borosilicate lens and integral HID or CFL lamp & gear.

Design Applications

Industrial and heavy engineering sites, processing plants and general security lighting. Mining infrastructure, collieries, foundries and most arduous environments.

Product Codes

Code	Version	Dim (mm)	Mass (kg)
NXS118NM	18W PLC Non-maintained	297 x 190 x 178	5.7
NXS70HPSI	70W HPS-I	297 x 190 x 178	5.9
NXS70MH	70W MH	297 x 190 x 178	6.0
NXS110HPS	110W HPS	297 x 190 x 178	6.0
NXS226C	2 x 26W PLC	297 x 190 x 178	5.5
NXS70HPS	70W HPS	297 x 190 x 178	6.0
NXS70SCOM	70W HPS	297 x 190 x 178	6.0

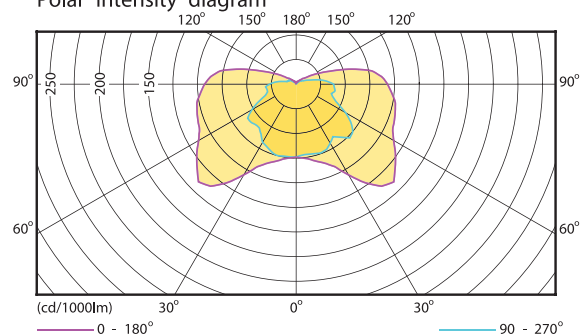
Accessories

NXS/NB32	Mounting adaptor plate for 32mm Dia. pipe
NXS/NB40	Mounting adaptor plate for 40mm Dia. pipe
NXS/WG	Wire Guard Kit
NXSS	Stainless Steel Wire Guard

Performance

NXS70HPS

Polar intensity diagram

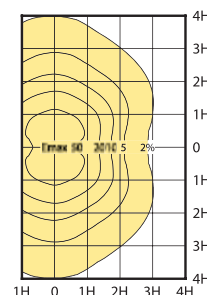


0°
max 160 = 661 cd
max 180 = 102 cd / 1000 lm
max 190 = 93 cd / 1000 lm

PH649A

Horizontal Illuminance

H	E _{max}
(m)	(lux)
3.0	48
3.5	35
4.0	27



IP65/66



Max Dim(mm)
297 x 190 x 178



606

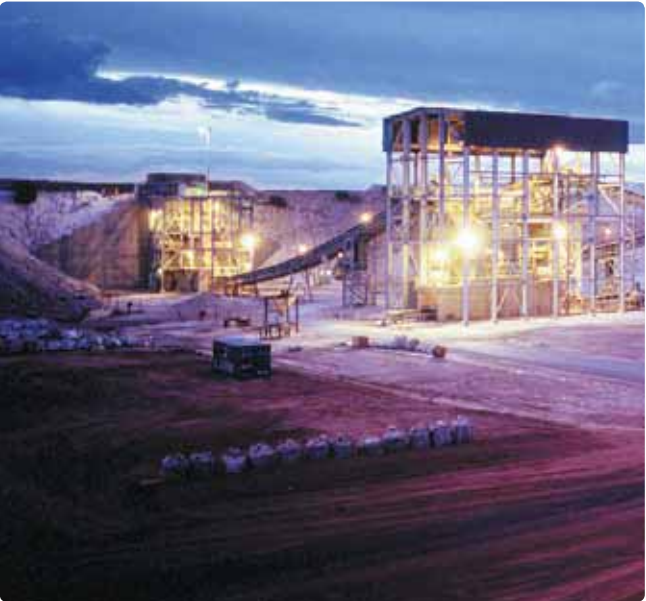


Adverse

PIERLITE
professional lighting solutions

NXS Stainless Steel

Corrosion resistant wall mount stainless steel bulkhead for extreme industrial and mining applications.



Specifications

- Marine grade 316 stainless steel body and visor with passivated finish
- Heavy duty borosilicate glass lens with internal prisms for optimum light distribution
- Smooth exterior for easy cleaning
- Trim secured to body by four stainless steel screws
- One piece, easy to replace silicone rubber gasket for all models
- All models with durable integral magnetic control gear
- 1 x 20mm cable entries for easy wiring access



Quick Spec

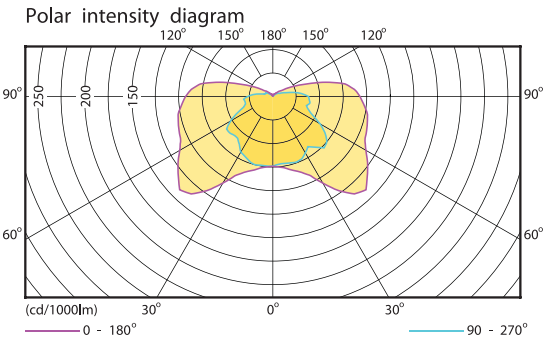
Pierlite NXS Stainless steel fabricated housing to IP66 with prismatic borosilicate glass lens and integral HID or CFL control gear & lamp.

Design Applications

Ideal for extreme adverse conditions especially where corrosive chemicals are present or near salt water environments.

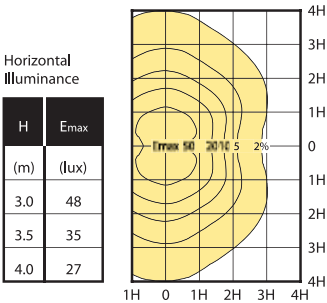
Performance

NXS70HPS Ceiling
L.O.R. = 0.68
1 x SHP 70W/CO-E base@C270
1 x 5800 lm



0°
max I60 = 661 cd
max I80 = 102 cd / 1000 lm
max I90 = 93 cd / 1000 lm

PH649A



IP66



Max Dim(mm)
297 x 190 x 178



Product Codes

Code	Version	Dim (mm)	Mass (kg)
NXSS70HPS	70W HPS	297 x 190 x 178	5.9
NXSS118NM	18W Non Maintained	297 x 190 x 178	5.9
NXSS226C	2 x 26W PLC	297 x 190 x 178	5.9
NXSS70HPSI	70W HPS-I	297 x 190 x 178	5.9
NXSS70SCOM	70W HPS Mining	297 x 190 x 178	5.9
NXSS70MH	70W HQI-E	297 x 190 x 178	5.9
NXSS80MV	80W MV	297 x 190 x 178	5.9

Adverse



607

NXS LED

The NXS bulkhead with LED module offers an energy efficient and versatile solution for adverse lighting applications.



Specifications

- High output linear LED module and electronic driver system, rated for 50,000 hours, L70
- Provides 1800 lumens with an average system power of only 31W. Choice of 3000K or 4000K
- Pressure die-cast LM6 aluminium with chromate treatment and black epoxy powder coat
- Heavy duty borosilicate glass lens with internal prisms for optimum light distribution and smooth exterior for easy cleaning
- One piece, easy to replace silicone rubber gasket
- 4 x M20 threaded cable entries for easy wiring access and looping if required
- Optional wire guard and mounting accessories



Quick Spec

Pierlite NXS LED in heavy duty die-cast LM6 aluminium housing with prismatic borosilicate lens and integral LED module and driver.

Design Applications

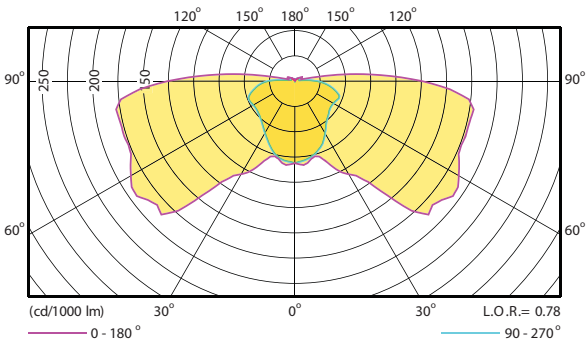
Industrial and heavy engineering sites, processing plants and mining infrastructure.

Performance

NXS LED NXS20FLED 1xPhilips Fortimo LLM 21W/740

L.O.R.= 0.78

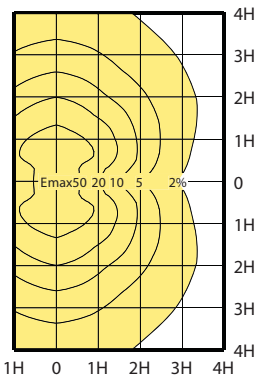
1 x 1800 lm



Horizontal Illuminance $\angle 0^\circ$

H	E _{max}
(m)	(lux)
2.0	37
3.0	16
5.0	6

M.F.= 1.0



Product Codes

Code	Version	Dim (mm)	Mass (kg)
NXS20FLED	28W 1800lms 4000K LED	297 x 190 x 178	5.0
NXS20FLED730	31W 1800 lms 3000K LED	297 x 190 x 178	5.0

Accessories

NXS/NB32	Mounting Adaptor plate for Dia. 32mm pipe
NXS/NB40	Mounting Adaptor Plate for Dia. 40mm pipe
NXS/WG	Wire Guard Galvanised Steel
NXS/WG/SS	Wire Guard 316 Stainless Steel





Marine grade aluminium housing with chromate and powdercoat finish.



Optional steel and stainless steel wire guards for protection.



Energy efficient LED module provides extended maintenance cost advantages.

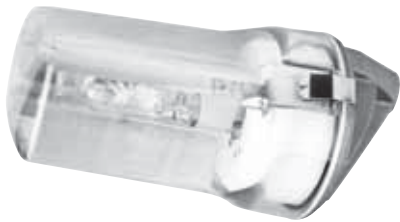
Mine Master HID

Purpose designed luminaire for mining and industrial infrastructure



Specifications

- Robust die-cast aluminium body or marine grade stainless steel body for corrosive and marine environments
- High temperature moulded lens to resist UV degradation
- The asymmetric optical design provides a wider spacing advantage
- Symmetrical optics for downwards illumination
- Both HID and compact fluorescent lamp models available
- Designed for easier installation and maintenance with quick release lens clips
- Dia 34mm spigot mount socket with two locking screws
- Integral control gear mounted to optimise heat dissipation
- Lamp support steady and vibration resistant design



Quick Spec

Pierlite Mine Master in Stainless steel or LM6 aluminium body as required. Moulded one piece lens with internal reflector and modular gear tray with HID or CFL lamp.

Design Applications

Industrial and mining infrastructure such as conveyors, platforms and walkways.

Product Codes

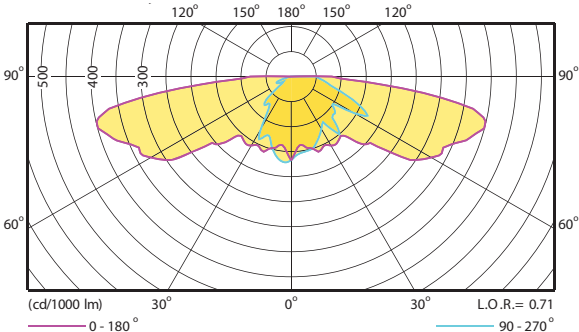
Code	Version	Dim (mm)	Mass (kg)
MRA50S2	50W High Pressure Sodium	196 x 186 x 380	4.0
MRA50S5	50W High Pressure Sodium	196 x 186 x 380	4.0
MRA70H2	70W Metal Halide	196 x 186 x 380	4.2
MRA70H5	70W Metal Halide	196 x 186 x 380	4.2
MRA70S2	70W High Pressure Sodium	196 x 186 x 380	4.2
MRA70S5	70W High Pressure Sodium	196 x 186 x 380	4.2
MRS18FM	18W PLC	196 x 186 x 380	5.1
MRS50S2	50W High Presure Sodium	196 x 186 x 380	5.4
MRS50S5	50W High Pressure Sodium	196 x 186 x 380	5.4
MRS70H2	70W Metal Halide	196 x 186 x 380	5.6
MRS70H5	70W Metal Halide	196 x 186 x 380	5.6
MRS70S2	70W High Pressure Sodium	196 x 186 x 380	5.6
MRS70S5	70W High Pressure Sodium	196 x 186 x 380	5.6

Performance

Mine Master MRS100H2 1xHIE 100W/U/LU/740

L.O.R.= 0.71

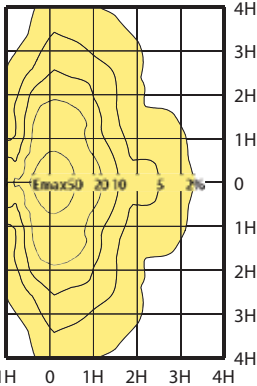
1 x 8100 lm



Horizontal Illuminance $\leq 5^\circ$

H	E _{max}
(m)	(lux)
2.0	348
2.4	241
2.8	177

M.F.= 1.0





Acrylic lens material resists
UV discolouring.

Body shape is functional
and designed to minimise
dirt build up.

Two clips make it easier
and quicker for maintenance.

Unique profile of the lens
is designed to shed dirt
and resist impact.

Solid cast marine grade
stainless steel body is
designed for strength and
durability.



Integral control gear operates in elevated
ambient temperatures.



Simple one piece visor complete with
optical reflectors.

The benchmark range of fluorescent luminaires for hostile, vandal-prone environments or adverse industrial applications.



Specifications

- Pressure die-cast, low copper aluminium alloy body with powder coat paint finish in RAL 8301 grey
- Models can be customised to suit specific applications, environments and operational criteria
- Optional prismatic, clear or opalised lens covers in polycarbonate or acrylic polymers
- White powder coated gear tray has screw locators and lanyards for ease of maintenance
- Replaceable single piece EPDM gasket ensures the high IP66 rating
- Cable entry via 20mm threaded ports at both ends plus provision via centre of the base
- Various accessories allow mounting on to wall and pole brackets, supplied separately
- 18W emergency versions have a thermally isolated battery housing annexed to the body
- Ex Zone rated versions available



Quick Spec

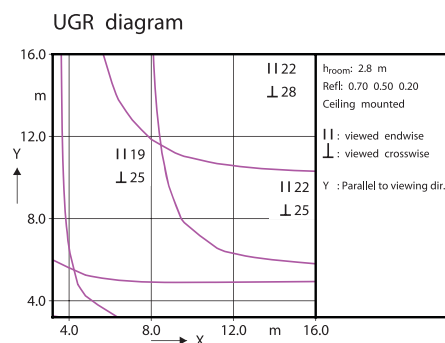
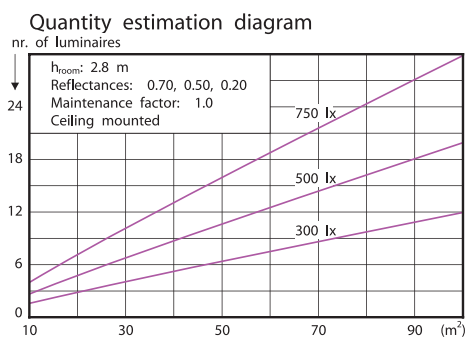
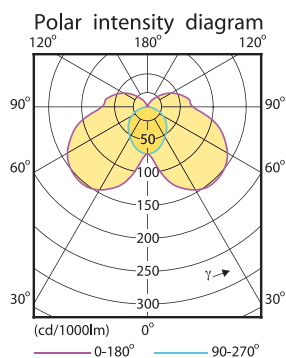
Pierlite Vandalux in die-cast LM6 aluminium body with polycarbonate lens in prismatic, clear or opal options and integral fluorescent control gear.

Design Applications

Heavy industrial areas, railway stations, wharves, sports grounds, car parks, construction sites, maritime areas, factories, mine sites and schools. Contact Pierlite regarding suitability for use in chemically laden environments.

Performance

VP 236 2x TLD 36W/840



Product Codes

Code	Version	Dim (mm)	Mass (kg)
VP114	1 x 14W T5	670 x 140 x 120	4.0
VP118EL	1 x 18W T8	670 x 140 x 120	4.5
VP128	1 x 28W T5	1310 x 140 x 120	7.0
VP136EL	1 x 36W T8	1310 x 140 x 120	7.5
VP214	2 x 14W T5	670 x 140 x 120	4.0
VP218EL	2 x 18W T8	670 x 140 x 120	5.0
VP228	2 x 28W T5	1310 x 140 x 120	7.0
VP236EL	2 x 36W T8	1310 x 140 x 120	8.0
VO135	1 x 35W T5	1610 x 140 x 120	10.6
VO149	1 x 49W T5	1610 x 140 x 120	10.6
VO158EL	1 x 58W T8	1610 x 140 x 120	11.0
VO180	1 x 80W T5	1610 x 140 x 120	10.6
VO235	2 x 35W T5	1610 x 140 x 120	10.6
VO249	2 x 49W T5	1610 x 140 x 120	10.6
VO258EL	2 x 58W T8	1610 x 140 x 120	10.7

Prismatic supplied as standard

For Clear lens replace P with C For Opal lens replace P with O

e.g. VC136H

Special lenses available for petrochemical and ammonia laden environments, upon request

Add suffix to code for the following:

'M' for maintained emergency 'NM' for non-maintained emergency

'EL' for electronic HF ballast circuit for T8 models

'QS' for Quality Spec version 'AV' for anti-vibration version

e.g. VP236HAV

Dimming and heavy duty control gear versions available, upon request.

Accessories

C28VANDALUX	Horizontal Wall Bracket
C29VANDALUX	Horizontal Wall Bracket
C32VANDALUX	Spigot Mounting Kit with Cable Gland
C33VANDALUX	Flat Wall Bracket
C34VANDALUX	Corner Wall Bracket
C35VANDALUX	Universal Bracket
C36VANDALUX	Ceiling Mount Bracket
PMB32/VAN	Single Pipe Mounting Bracket
PMB40/VAN	Single Pipe Mounting Bracket



Vandalux®

IP66

ta40



Slim Profile



Low profile range of robust weatherproof fittings to withstand adverse or vandal prone environments.



Specifications

- Pressure die-cast, low copper aluminium alloy body with powder coat paint finish in RAL 8301 grey
- Models can be customised to suit specific applications, environments and operational criteria
- Optional prismatic, clear or opalised lens covers in polycarbonate or acrylic polymers
- White powder coated gear tray has screw locators and lanyards for ease of maintenance
- Replaceable single piece EPDM gasket ensures the high IP66 rating
- Cable entry via centre of the base



Quick Spec

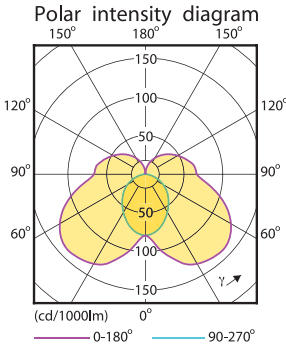
Pierlite Vandaguard with a low profile die-cast LM6 aluminium body and polycarbonate lens in prismatic, clear or opal options, with integral fluorescent lamp and gear.

Design Applications

Prison cells and associated infrastructure, railway stations and transport terminals. Subways, undercover walkways and covered car parks. Mining and industrial sites. Contact Pierlite regarding suitability for use in chemically laden environments.

Performance

VPF236 2 x TLD 36W / 840
2 x 3350 lm



Utilisation factor table

Reflectances			Room Index							
C	W	F	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00 5.00
0.70	0.50	0.20	27	34	38	41	46	50	52	56 58
0.70	0.30	0.20	22	28	33	36	42	45	48	52 55
0.70	0.10	0.20	18	24	28	32	38	42	45	49 52
0.50	0.50	0.20	25	30	34	37	42	45	47	50 52
0.50	0.30	0.20	20	26	30	33	38	41	44	47 50
0.50	0.10	0.20	17	22	26	30	35	38	41	45 48
0.30	0.50	0.20	23	28	31	34	38	40	42	45 47
0.30	0.30	0.20	19	24	27	30	35	38	40	43 45
0.30	0.10	0.20	16	21	24	27	32	35	38	41 43
0.00	0.00	0.00	13	17	21	23	27	30	32	35 37

Ceiling mounted

Product Codes

Code	Version	Dim (mm)	Mass (kg)
VPF114	1 x 14WT5	670 x 140 x 80	4.2
VPF118EL	1 x 18WT8	670 x 140 x 80	4.5
VPF128	1 x 28WT5	1310 x 140 x 80	7.4
VPF136EL	1 x 36WT8	1310 x 140 x 80	7.0
VPF214	2 x 14WT5	670 x 140 x 80	4.2
VPF218EL	2 x 18WT8	670 x 140 x 80	5.0
VPF228	2 x 28WT5	1310 x 140 x 80	7.4
VPF236EL	2 x 36WT8	1310 x 140 x 80	7.5



IP66

ta40

Slimline aluminium body profile

Secure access screws



Tough polycarbonate lens

Adverse



617

Sydney - Australia





Vandalux® & Vandaguard® LED

IP66 linear LED weatherproof luminaire designed for hostile and vandal prone environments.



Specifications

- Energy efficient LED linear lamps with integrated electronics and diffuse lens
- 40,000 hours average lamp life
- Pressure die-cast marine grade aluminium body with a powder coated paint finish
- Complete with security screws, removable gear tray and single one piece gasket
- Low profile IP66 protection
- Robust clear polycarbonate lens resist impact & abuse
- Optional body profiles and mounting accessories
- Dual conduit access



Quick Spec

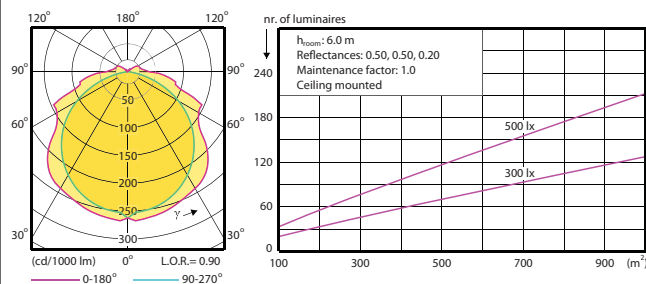
Pierlite Vandalux or Vandaguard TLED with die-cast LM6 aluminium body with clear polycarbonate lens, modular gear tray and replaceable TLED lamps.

Design Applications

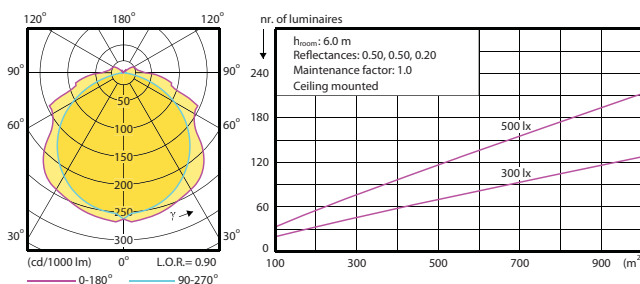
Prisons, subways, railway stations and underground car parks.

Performance

Vandaguard VCF222TLED
2xPhilips LED tube 22W/6500K 2 x 1534 lm



Vandalux VC222TLED
2xPhilips LED tube 22W/6500K 2 x 1534 lm



Product Codes

Code	Version	Dim (mm)	Mass (kg)
VC110TLED4	1 x 10W	670 x 140 x 120	4.0
VC119TLED4	1 x 19W	1310 x 140 x 120	8.0
VC210TLED4	2 x 10W	670 x 140 x 120	4.5
VC219TLED4	2 x 19W	1310 x 140 x 120	8.5
VCF110TLED4	1 x 10W	670 x 140 x 80	3.5
VCF119TLED4	1 x 19W	1310 x 140 x 80	7.5
VCF210TLED4	2 x 10W	670 x 140 x 80	4.0
VCF219TLED4	2 x 19W	1310 x 140 x 80	8.0

620



Adverse



IP66

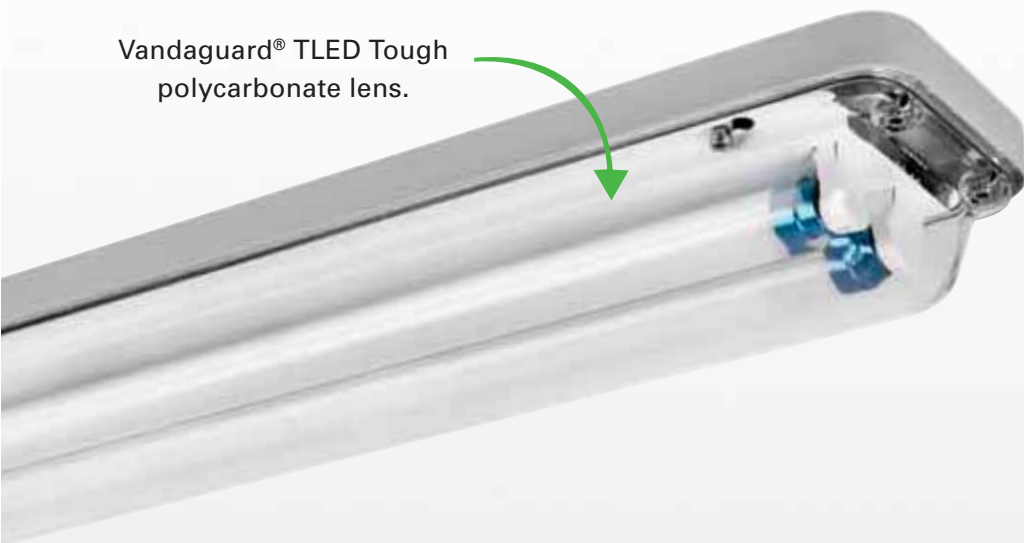


Max Dim(mm)
1310 x 140 x 120

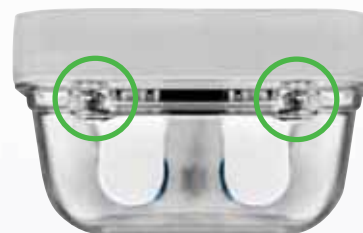
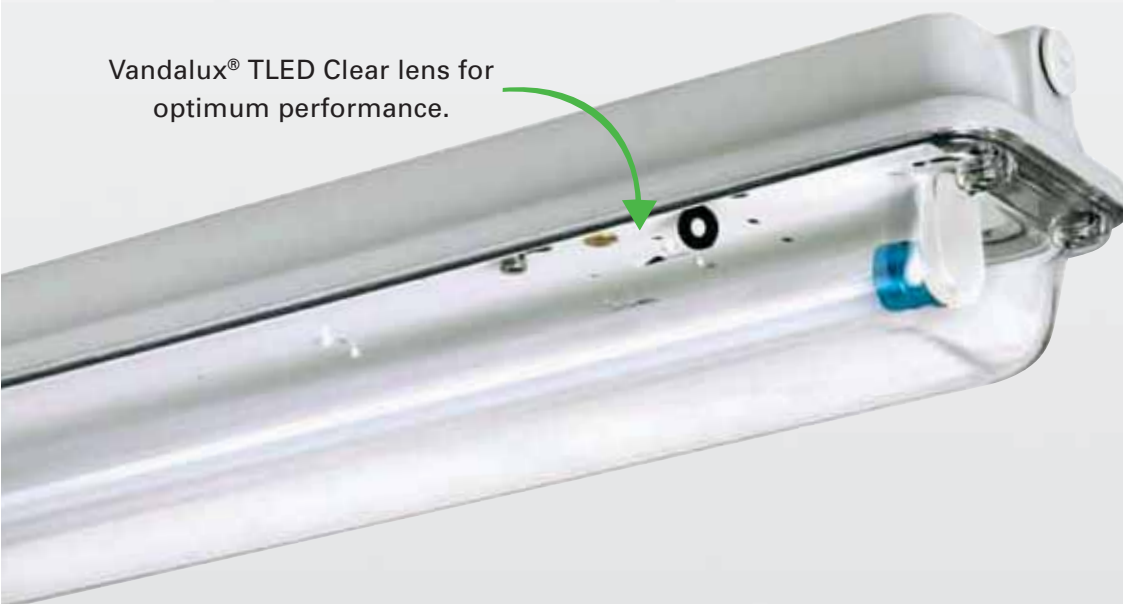


PIERLITE
professional lighting solutions

Vandaguard® TLED Tough polycarbonate lens.



Vandalux® TLED Clear lens for optimum performance.



Secure stainless steel visor fasteners.



Modular gear tray with retaining lanyards.



Vandaguard® rear cable entry.



Vandalux® body accepts a range of mounting options.



Electronic Control Gear



Adverse



621

Mini Vandalite

Compact size utility luminaire featuring an impact resistant housing and diffuser cover.



Specifications

- Housing moulded in grey filled nylon for strength
- Diffuser cover in moulded opal polycarbonate with two securing screws
- Internal white metal reflector
- Easy to install E27 lampholder module by BJB
- Supplied with PG8.5 nylon cable gland
- Integral expanded foam seal provides IP54 weather protection
- Lamps included



Quick Spec

Philips Mini Vandalite with reinforced nylon body and opal polycarbonate diffuser and IP54 seal for E27 self ballasted CFL lamp.

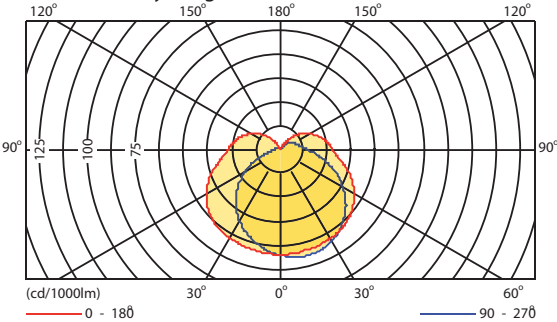
Design Applications

Ideal for entrances, plant rooms and around schools or public amenities. Can be mounted on walls, ceilings or under roof eaves of houses, unit complexes and commercial buildings.

Performance

MVL24W 1 x Tornado 24W / CDL
L.O.R. = 0.31 1 x 1450 lm

Polar intensity diagram

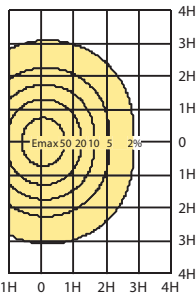


0°
max 160 = 67 cd
max 180 = 34 cd / 1000 lm
max 190 = 28 cd / 1000 lm

P200711120

Horizontal
Illuminance

H	E _{max}
(m)	(lux)
3.0	9
4.0	5
5.0	3



Product Codes

Code	Version	Dim (mm)	Mass (kg)
MVL24W	E27 24W CFLI maximum	245 x 120 x 114	0.5



Quasar

Robust utility bulkhead utilising energy efficient, compact fluorescent lamp in a corrosion resistant housing.



Specifications

- Vandal resistant construction using a clear polycarbonate prismatic diffuser and glass filled nylon body
- IP65 weather protection ensures extended maintenance scheduling
- Energy saving lamp and gear combination
- The low profile, classic design compliments any application
- Lamps included

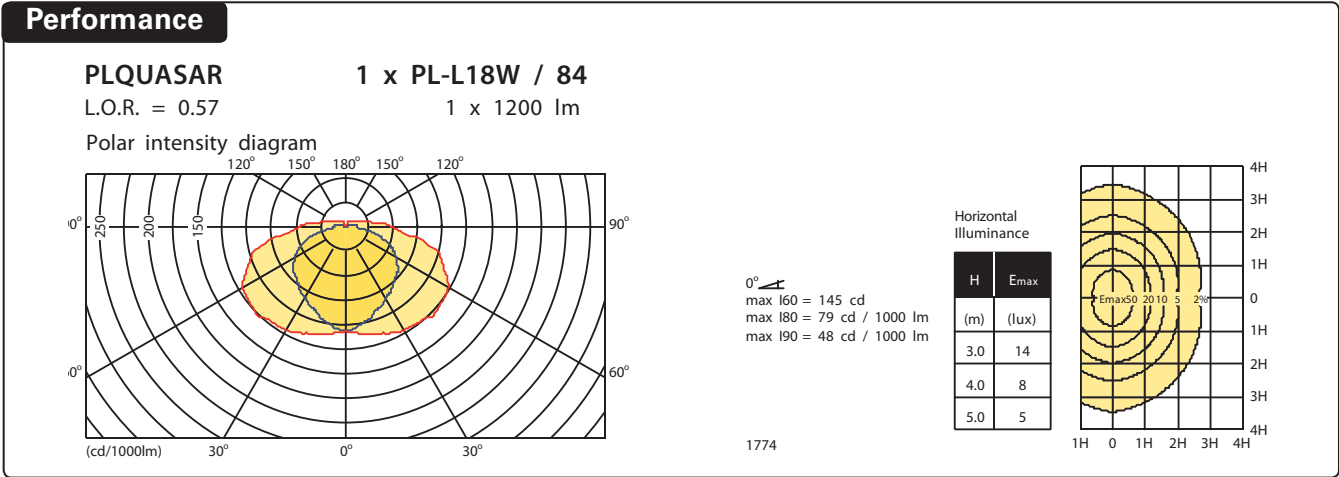


Quick Spec

Pierlite Quasar IP65 reinforced nylon body with polycarbonate prismatic lens and linear CFL lamp and gear.

Design Applications

Ideal for security lighting around schools, construction sites, shopping centres, banks, utility buildings, marine vessels and foreshore areas.



Product Codes

Code	Version	Dim (mm)	Mass (kg)
PLQUASAR	18W PLL	290 x 180 x 104	2.0



Max Dim(mm)
290 x 180 x 104



VANDA5

Vandal resistant T5 design, IP65 weatherproof fluorescent



Secure Access Screws

Specifications

- Utility fitting for exposed, vandal prone and high abuse areas
- Pressure die-cast marine grade aluminium body for strength with powdercoat paint finish in grey
- Polycarbonate lens in clear or opal finish resists impact; tested and rated to IK10
- Integral electronic control gear provides extra energy savings
- Utilises energy efficient and slimline T5 lamp technology
- Versatile design allows for easy installation with five possible cable entry points
- Less obtrusive, low profile shape with contemporary styling
- Suitable for environments up to +50°C ambient temperature and down to -10°C



Quick Spec

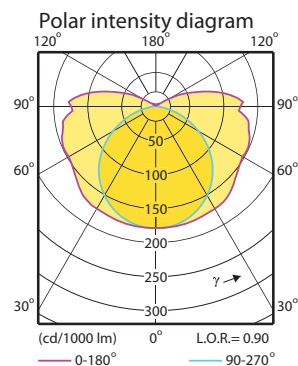
Pierlite Vanda5 IP65 with 14W T5 4000K lamp, select opal or clear cover and pressure die cast LM6 aluminium body IK10. Integral ballast on a modular gear tray with optional PE cell. Stainless steel tamper resistant screws and durable silicone seal.

Design Applications

Vandal prone and exposed environments such as schools, public transport terminals, council facilities and industrial sites.

Performance

VANDA5114C 1xT5 14W/840 Clear 1 x 1200 lm



Light output ratio	0.90
Service upward	0.16
Service downward	0.74
CIE flux code	35 62 83 82 90
S/H ratio crosswise	max. 1.8
lengthwise	max. 1.8
UGRcen (4Hx8H, 0.25H)	24
UTE71-121:	0.74AS + 0.16T

Utilisation factor table

Room Index k	Reflectances for ceiling, walls and working plane (CIE)											
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00	
	0.50	0.50	0.50	0.50	0.50	0.30	0.30	0.10	0.30	0.10	0.00	
0.60	0.30	0.10	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.00	
0.80	0.36	0.34	0.35	0.34	0.33	0.26	0.25	0.21	0.23	0.20	0.17	
1.00	0.45	0.42	0.43	0.42	0.41	0.33	0.31	0.27	0.29	0.25	0.22	
1.25	0.52	0.48	0.50	0.48	0.46	0.39	0.37	0.32	0.34	0.30	0.26	
1.50	0.59	0.54	0.56	0.54	0.52	0.45	0.42	0.37	0.40	0.35	0.31	
2.00	0.64	0.58	0.61	0.59	0.56	0.50	0.46	0.42	0.44	0.39	0.35	
2.50	0.73	0.65	0.69	0.66	0.63	0.57	0.53	0.49	0.50	0.46	0.41	
3.00	0.79	0.70	0.75	0.71	0.67	0.62	0.58	0.54	0.54	0.51	0.45	
4.00	0.83	0.73	0.79	0.74	0.70	0.65	0.61	0.57	0.57	0.54	0.48	
5.00	0.89	0.77	0.84	0.79	0.74	0.70	0.66	0.62	0.62	0.59	0.53	
	0.93	0.80	0.88	0.82	0.77	0.73	0.69	0.66	0.64	0.62	0.56	

Ceiling mounted

Product Codes

Code	Version	Dim (mm)	Mass (kg)
VANDA5 1140	T5 14W 4000K Opal Lens	70 x 85 x 600	1.35
VANDA5 114C	T5 14W 4000K Clear lens	70 x 85 x 600	1.35



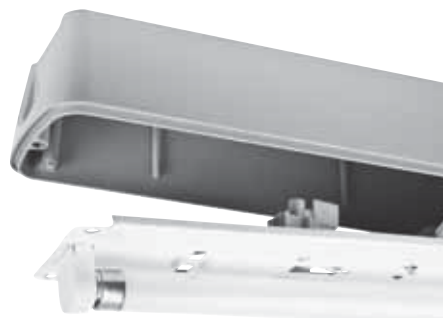
T5 Lamp Technology



IP65 Silicone Seal



Modular Gear Tray



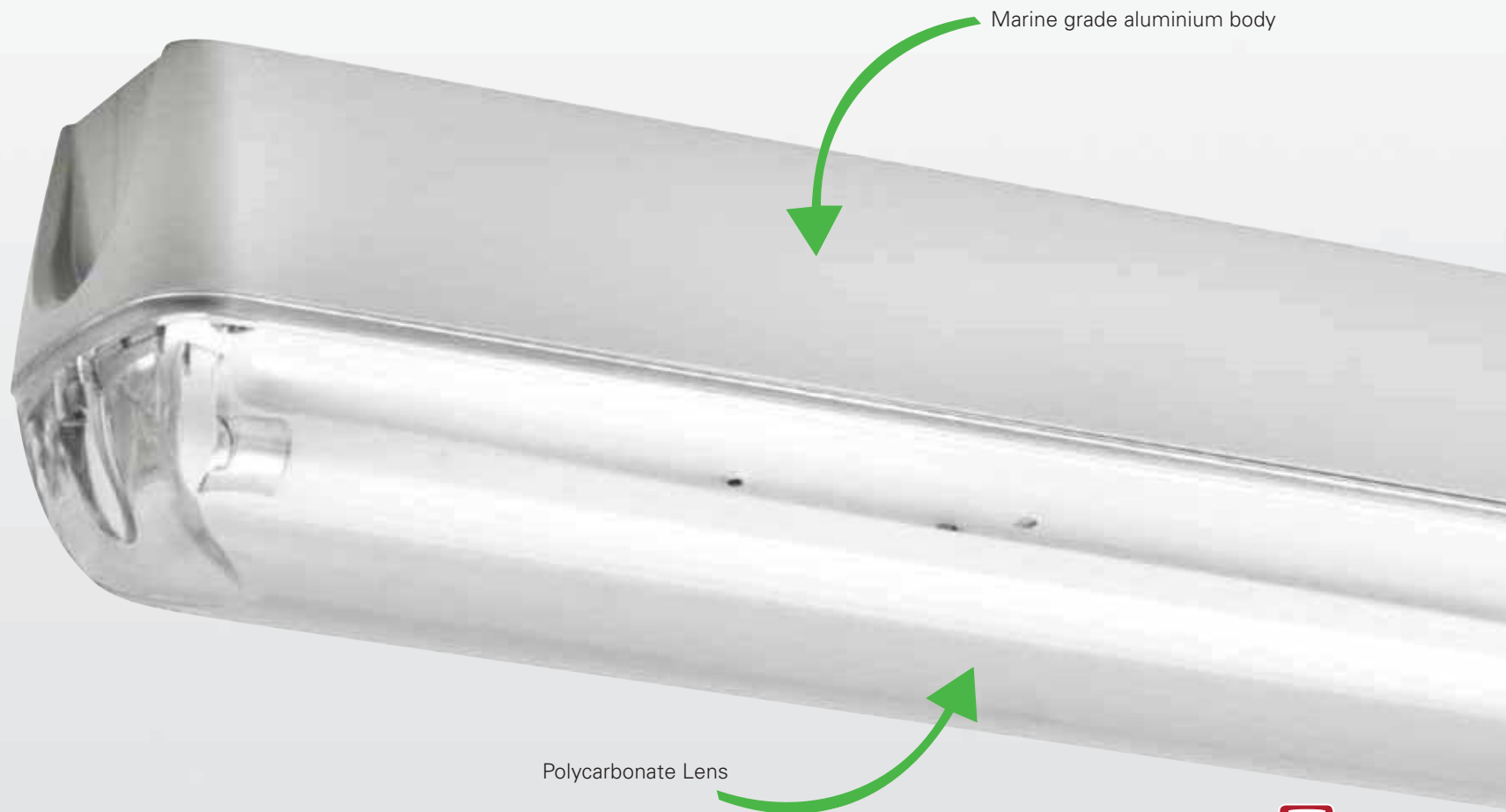
Low Profile Shape



Electronic
Control Gear



LED option
new for 2012



Marine grade aluminium body

Polycarbonate Lens

Adverse



625

Vandalite T5

Tough, energy efficient luminaires designed for adverse applications



PHILIPS



Specifications

- Glass filled nylon moulded housing for strength
- Optional clear cover or opal polycarbonate diffuser secured by two stainless steel screws
- Modular white painted steel gear tray assemblies for easy installation
- Integral moulded seals provide IP65 weather protection
- Optional linear T5 electronic or compact PLL lamp version with magnetic switch start gear
- IK10 impact rating
- Housing has moulded end, side and rear conduit entries to be drilled as required
- Cool white 4000K Lamp included

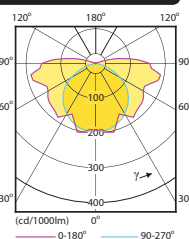
Quick Spec

Philips Vandalite T5 IP65 with IK10 nylon body and polycarbonate lens, integral gear tray c/w 4000K lamp as per legend.

Design Applications

Adverse applications such as in schools, railway stations, industrial sites, car parks and public buildings.

Performance



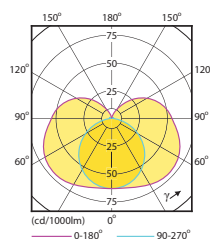
VL114C 1 x TL5 14W / 840
1 x 1200 lm

Utilisation factor table

Reflectances			Room Index								
C	W	F	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	44	51	58	62	69	74	77	82	85
0.70	0.30	0.20	36	43	50	54	62	67	71	77	81
0.70	0.10	0.20	31	37	43	48	55	61	65	72	76
0.50	0.50	0.20	42	48	54	58	64	69	72	76	80
0.50	0.30	0.20	35	41	47	52	58	63	67	72	75
0.50	0.10	0.20	30	36	42	46	53	58	62	68	72
0.30	0.50	0.20	39	45	51	54	60	64	67	71	74
0.30	0.30	0.20	33	39	45	49	55	59	63	67	71
0.30	0.10	0.20	29	34	40	44	50	55	59	64	68
0.00	0.00	0.00	26	31	36	40	45	50	53	58	61

Ceiling mounted

Light output ratio 0.93
Service upward 0.10
Service downward 0.83
CIE flux code 33 59 80 89 93
SHR NOM (square) 1.50
SHR MAX (square) 1.59
SHR MAX (continuous) 2.27
UGRcen (4Hx8H, 0.25H) 24
UTE71-121: 0.83H + 0.10T



VL114O 1 x TL5 14W / 840
1 x 1200 lm

Utilisation factor table

Reflectances			Room Index								
C	W	F	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	n/a	23	26	28	31	33	35	37	39
0.70	0.30	0.20	n/a	19	22	25	28	30	32	35	36
0.70	0.10	0.20	n/a	17	19	22	25	28	30	33	34
0.50	0.50	0.20	n/a	21	23	25	28	30	31	33	35
0.50	0.30	0.20	n/a	18	20	22	25	27	29	31	33
0.50	0.10	0.20	n/a	15	18	20	23	25	27	29	31
0.30	0.50	0.20	n/a	19	21	23	25	27	28	30	31
0.30	0.30	0.20	n/a	16	18	20	23	25	26	28	29
0.30	0.10	0.20	n/a	14	16	18	21	23	24	27	28
0.00	0.00	0.00	n/a	12	14	15	17	19	20	22	23

Ceiling mounted

Light output ratio 0.44
Service upward 0.12
Service downward 0.32
CIE flux code 30 58 81 73 44
SHR NOM (square) 1.75
SHR MAX (square) 1.75
SHR MAX (continuous) 2.74
UGRcen (4Hx8H, 0.25H) 19
CIBSE: LG3 55 deg, 1500 cd/m2
UTE71-121: 0.32H + 0.12T

Product Codes

Code	Version	Dim (mm)	Mass (kg)
VL114C	14W	675 x 97 x 123	1.8
VL114O	14W	675 x 97 x 123	1.8
VL114OP	14W	675 x 97 x 123	1.8
VL136HC	36W	675 x 97 x 123	2.4
VL136HO	36W	675 x 97 x 123	2.4



IP65



Max Dim(mm)
675 x 97 x 123



2.4kg



2.4kg



Glass filled nylon moulded housing for strength.

Optional clear cover or opal polycarbonate diffuser.

T5

IP65

Exposed screws
are Stainless Steel.

T5 lamp technology provides real energy savings.

Housing has moulded end, side
and rear conduit entries to be drilled
as required

Adverse



627

BWP/TLED

Range of IP65 weatherproof fixtures with LED lamps for reduced energy and maintenance costs.



Specifications

- Integral LED linear lamps offer 40,000 hours life (B50, L70)
- Up to 40% energy savings compared to standard fluorescent fixtures
- Light grey colour, self extinguishing polycarbonate body with UV inhibitors and durable foam seal
- Clear prismatic polycarbonate lens resists impact (rated IK08)
- Clip-in modular gear tray with safety lanyards for easy installation and maintenance
- 20mm cable entry with PG8,5 gland and optional knockout at the opposite end
- Supplied with stainless steel mounting clips for easy installation without compromising the IP65 integrity
- Robust and lockable stainless steel clips fitted to the body speed up installation time



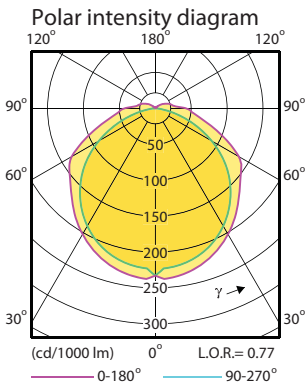
Quick Spec

Pierlite BWP/TLED polycarbonate IP65 weatherproof housing with modular gear tray, stainless steel clips and replaceable TLED lamps.

Design Applications

Car parks, building security and where ever extended maintenance is a criteria. Ideal for coolrooms and low temperature climates.

Performance



Light output ratio 0.77
Service upward 0.05
Service downward 0.72

CIE flux code 43 74 92 94 77

S/H ratio crosswise max. 1.6
lengthwise max. 1.6

UGRcen (4Hx8H, 0.25H) 22
UTE71-121: 0.72E + 0.05T

Utilisation factor table

Room Index k	Reflectances for ceiling, walls and working plane (CIE)											
	0.80 0.80				0.70 0.70				0.50 0.50			
	0.80	0.50	0.30	0.10	0.50	0.30	0.10	0.10	0.30	0.10	0.10	0.00
0.60	0.35	0.33	0.34	0.33	0.32	0.27	0.26	0.22	0.25	0.22	0.20	0.20
0.80	0.43	0.40	0.42	0.41	0.39	0.33	0.33	0.29	0.32	0.28	0.26	0.26
1.00	0.49	0.46	0.48	0.46	0.45	0.39	0.38	0.34	0.37	0.33	0.31	0.31
1.25	0.56	0.51	0.54	0.52	0.50	0.45	0.43	0.39	0.42	0.39	0.36	0.36
1.50	0.61	0.55	0.59	0.56	0.54	0.49	0.47	0.44	0.46	0.43	0.40	0.40
2.00	0.68	0.61	0.66	0.63	0.60	0.55	0.54	0.50	0.52	0.49	0.46	0.46
2.50	0.74	0.65	0.71	0.67	0.64	0.60	0.58	0.55	0.56	0.54	0.51	0.51
3.00	0.77	0.68	0.74	0.70	0.66	0.63	0.61	0.58	0.59	0.57	0.54	0.54
4.00	0.82	0.71	0.79	0.74	0.70	0.67	0.65	0.62	0.63	0.61	0.58	0.58
5.00	0.85	0.73	0.82	0.76	0.72	0.69	0.67	0.65	0.65	0.63	0.60	0.60

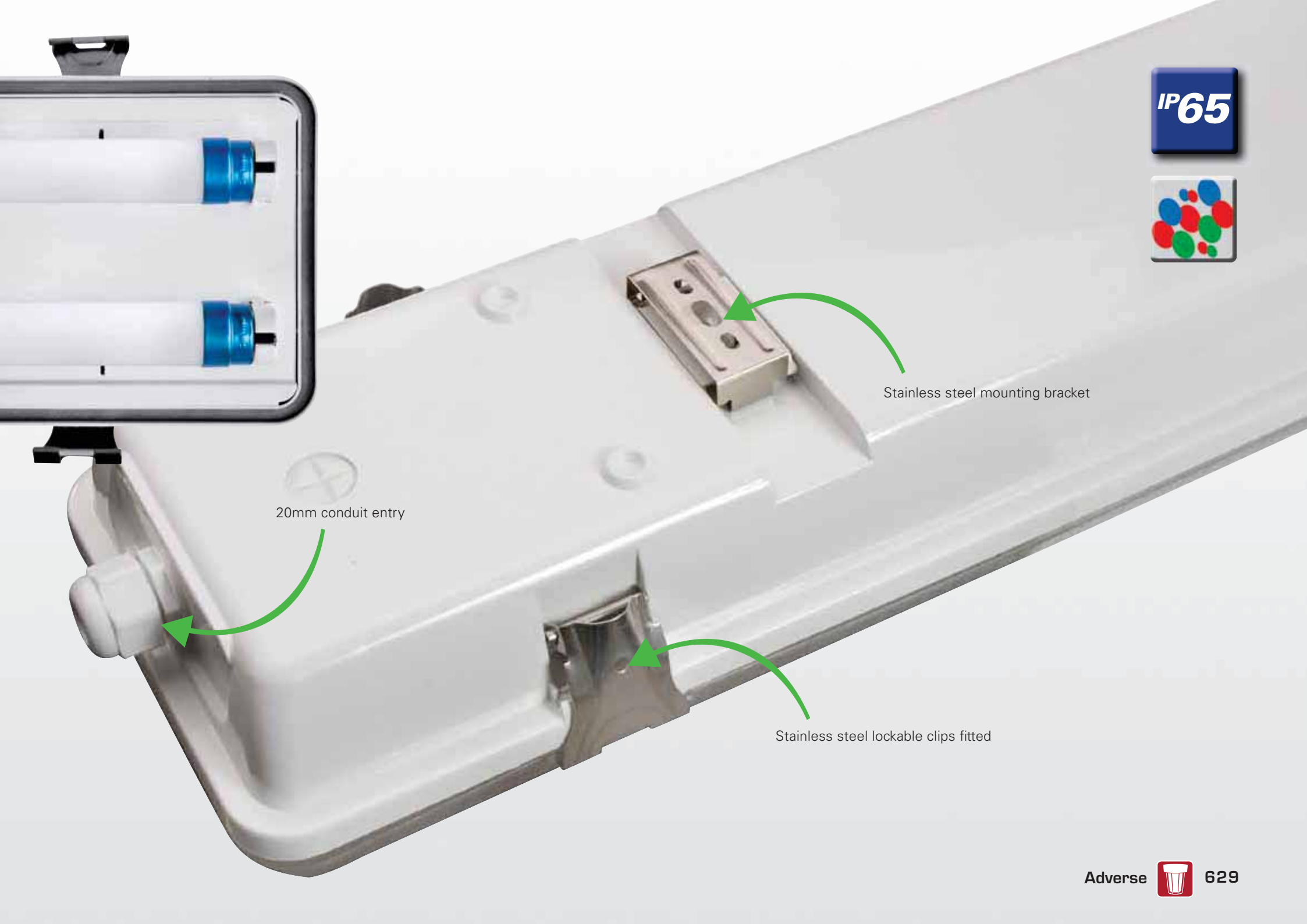
Ceiling mounted

Product Codes

Code	Version	Dim (mm)	Mass (kg)
BWP/TLED110840	1 x 10W LED	670 x 98 x 104	2.0
BWP/TLED119840	1 x 19W LED	1300 x 98 x 104	2.3
BWP/TLED210840	2 x 10W LED	670 x 152 x 104	2.4
BWP/TLED219840	2 x 19W LED	1300 x 152 x 104	2.4



IP65



Stainless steel mounting bracket

20mm conduit entry

Stainless steel lockable clips fitted







BWP/T

A versatile range of weatherproof fluorescent luminaires for adverse conditions and exposed environments.



Specifications

- Self extinguishing and UV stabilised polycarbonate body in a neutral light grey colour
- Clear prismatic polycarbonate lens resists impact and abuse
- T8 4000K lamps included
- Supplied with robust and lockable stainless steel clips fitted to the body, rated IK08
- 20mm cable entry with PG8.5 gland and optional knock-out at the opposite end
- Clip-in modular gear tray with safety lanyards for easy installation and maintenance
- Durable polyurethane foam seal ensures the IP65 weather protection; tested to 40°C ambient
- V90T internal wiring and 3-way terminal block with fused active
- Designed for horizontal surface mount installation and supplied with stainless steel mounting clips for easy installation without compromising the IP integrity



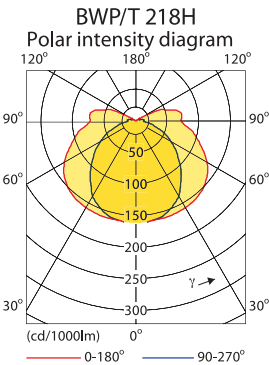
Quick Spec

Pierlite BWP/T polycarbonate IP65 weatherproof housing with stainless steel clips and modular gear tray. Stainless steel mounting clips.

Design Applications

Exposed applications around waterfront areas, car parks, industrial and construction sites and for general security.

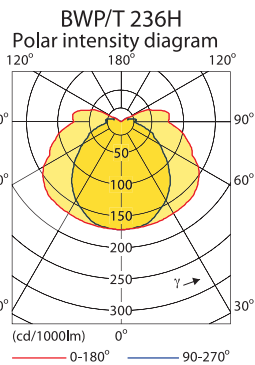
Performance



Light output ratio
Service upward 0.76
Service downward 0.11
Service downward 0.65

CIE flux code 36 65 86 85 76

SHR NOM (square) 1.50
SHR MAX (square) 1.65
SHR MAX (continuous) 2.31
UGRcen (4Hx8H, 0.25H) 21



Light output ratio
Service upward 0.85
Service upward 0.14
Service downward 0.71

CIE flux code 35 63 85 84 85

SHR NOM (square) 1.50
SHR MAX (square) 1.70
SHR MAX (continuous) 2.40
UGRcen (4Hx8H, 0.25H) 23

Product Codes

Code	Version	Dim (mm)	Mass (kg)
BWP/T118H	1 x 18WT8	670 x 98 x 104	2.5
BWP/T136H	1 x 36WT8	1300 x 98 x 104	3.1
BWP/T218H	2 x 18WT8	670 x 152 x 104	3.1
BWP/T236H	2 x 36WT8	1300 x 152 x 104	3.5



Low profile design



Stainless steel clips fitted



IP65

ta40

20mm conduit entry

Stainless steel mounting bracket

Stainless steel lockable clips fitted

BWP/T5

Energy saving weatherproof fixture using T5 lamp technology, robust enclosure and stainless steel clips.



Specifications

- Self extinguishing and UV stabilised polycarbonate body in a neutral light grey colour
- Efficient prismatic lenses in clear polycarbonate provide optimum lighting performance from the T5 lamps
- Designed for horizontal surface mount installation; fitted with stainless steel, quick release diffuser retaining clips that resist corrosion and heavy operation
- 20mm cable entry with PG8.5 gland and provision for entry drilling in the opposite end
- Clip-in modular gear tray with safety lanyards for easy installation and maintenance
- Durable polyurethane seals provide IP65 weather protection in a tested 40°C ambient
- V90T internal wiring and 3 way, fused active terminal block with a quality HF electronic ballast
- Supplied with 4000K lamps and stainless steel mounting clips, ready for easy installation



Quick Spec

Pierlite BWP/T5 slimline IP65 weatherproof polycarbonate housing with stainless steel clips and electronic ballast on a modular gear tray. .

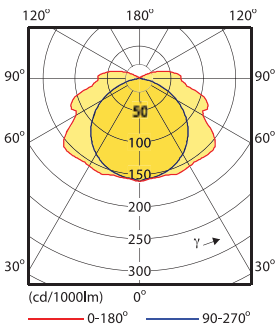
Design Applications

Ideal for exposed applications around buildings, undercover car parks, waterfront areas, construction sites or wherever security lighting is required and energy consumption is a criteria.

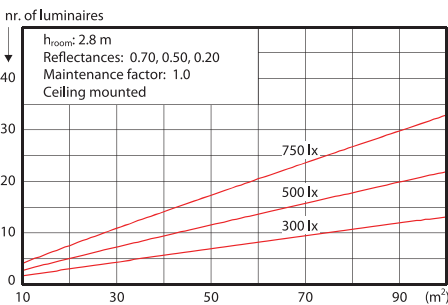
Performance

BWP/T5228 2 x 28W T5

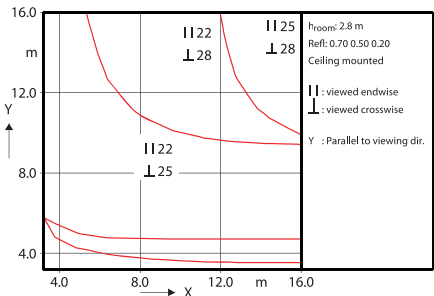
Polar intensity diagram



Quantity estimation diagram



UGR diagram



Product Codes

Code	Version	Dim (mm)	Mass (kg)
BWP/T5235	2 x 35W IP65	1530 x 110 x 90	3.3
BWP/T5135	1 x 35W IP65	1530 x 65 x 90	3.0
BWP/T5228	2 x 28W T5	1220 x 110 x 90	2.8
BWP/T5128	1 x 28W T5	1220 x 65 x 90	2.6
BWP/T5214	2 x 14W T5	620 x 110 x 80	1.6
BWP/T5114	1 x 14W T5	620 x 65 x 80	1.4



Single Profile



Twin Profile



20mm conduit entry

Stainless steel clips fitted

Stainless steel mounting bracket



**Electronic
Control Gear**







A premium performance T5 weatherproof luminaire that is both functional and energy efficient.



Easy clip in installation

Specifications

- Body moulded in glass reinforced polyester with neutral grey colour as standard
- Optional polycarbonate body in transparent clear or selected colours, available to indent order
- Injection moulded polycarbonate, prismatic diffuser cover
- Stainless steel lens retaining clips are supplied fitted to the body
- Designed for horizontal surface mounted installation or suspended using the installation clip accessories
- Lamp included
- Optional integral emergency versions available



Quick Spec

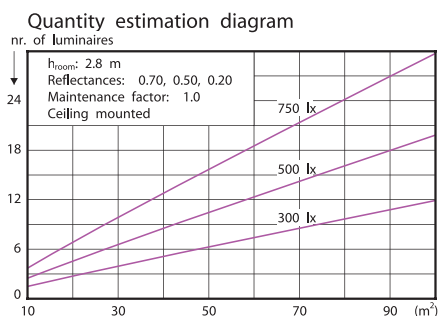
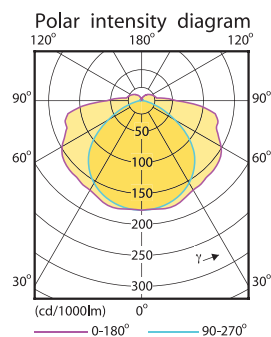
Pierlite Futurix reinforced polyester body and polycarbonate diffuser with stainless steel clips. Optional ceiling mounting clips for IP65 installation. Modular gear tray with electronic T5 ballast.

Design Applications

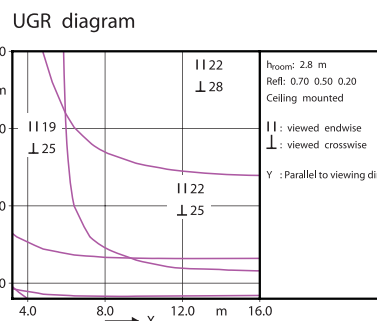
Industrial areas, car parks, awnings, security lighting and general weatherproof applications where performance and energy efficiency are a criteria.

Performance

FRX228 2 x T5 28W / 840
2 x 2600 lm



Utilisation factor table



Luminance Table

Product Codes

Code	Version	Dim (mm)	Mass (kg)
FRX114	1 x 14W T5	665 x 84 x 98	2.7
FRX124	1 x 24W T5	665 x 84 x 98	2.7
FRX128	1 x 28W T5	1275 x 84 x 98	5.0
FRX135	1 x 35W T5	1575 x 84 x 98	5.5
FRX154	1 x 54W T5	1275 x 134 x 98	5.0
FRX180	1 x 80W T5	1575 x 134 x 98	6.0
FRX214	2 x 14W T5	665 x 134 x 98	2.8
FRX224	2 x 24W T5	665 x 134 x 98	2.8
FRX228	2 x 28W T5	1275 x 134 x 98	5.0
FRX228ME	2 x 28W T5	1275 x 134 x 98	5.5

A premium performance range of weatherproof luminaires designed for use in most adverse environments.



Specifications

- Tough glass fibre reinforced polyester body is rustproof, weatherproof and corrosion resistant (refer to Pierlite for specific data)
- UV stabilised, high impact polycarbonate or composite acrylic diffusers, both with internal prisms
- Tamper resistant stainless steel (PWP) or polycarbonate (PWA) diffuser retaining clips
- White powder coated gear tray suspends on lanyards for ease of installation and maintenance
- Polyurethane machine-poured foam gasket guarantees high IP65 protection
- 20mm grommet cable entries located at both ends
- V90T internal wiring at 6mm² 3 way terminal block
- Lamps included



Quick Spec

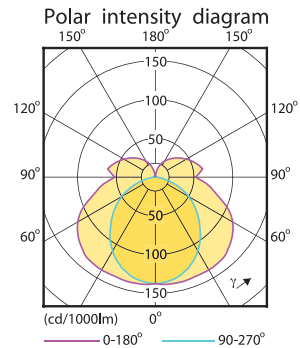
Pierlite PWP or PWA IP65 reinforced polyester body with optional polycarbonate or acrylic prismatic lens and modular gear trays.

Design Applications

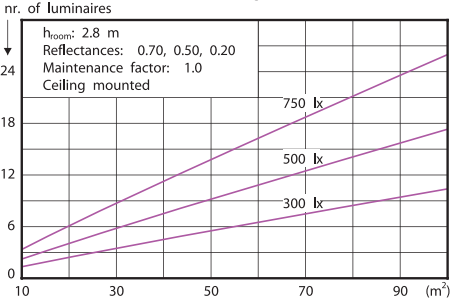
Wharves, waterfront areas, construction sites, multi-storey car parks and general lighting for areas with adverse conditions and environments.

Performance

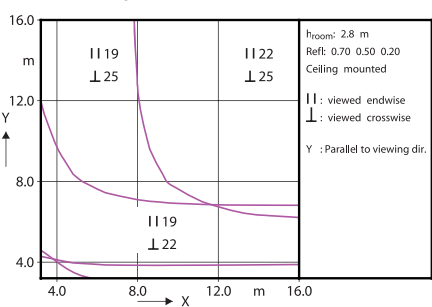
PWP236 2 x T8 36W / 840
2 x 3350 lm



Quantity estimation diagram



UGR diagram



Product Codes

Code	Version	Dim (mm)	Mass (kg)
PWP118H	1 x 18W T8	697 x 102 x 108	2.1
PWP136H	1 x 36W T8	1307 x 102 x 108	3.6
PWP158H	1 x 58W T8	1612 x 102 x 108	4.6
PWP218H	2 x 18W T8	697 x 172 x 108	2.3
PWP236H	2 x 36W T8	1307 x 172 x 108	4.1
PWP258H	2 x 58W T8	1612 x 172 x 108	5.0

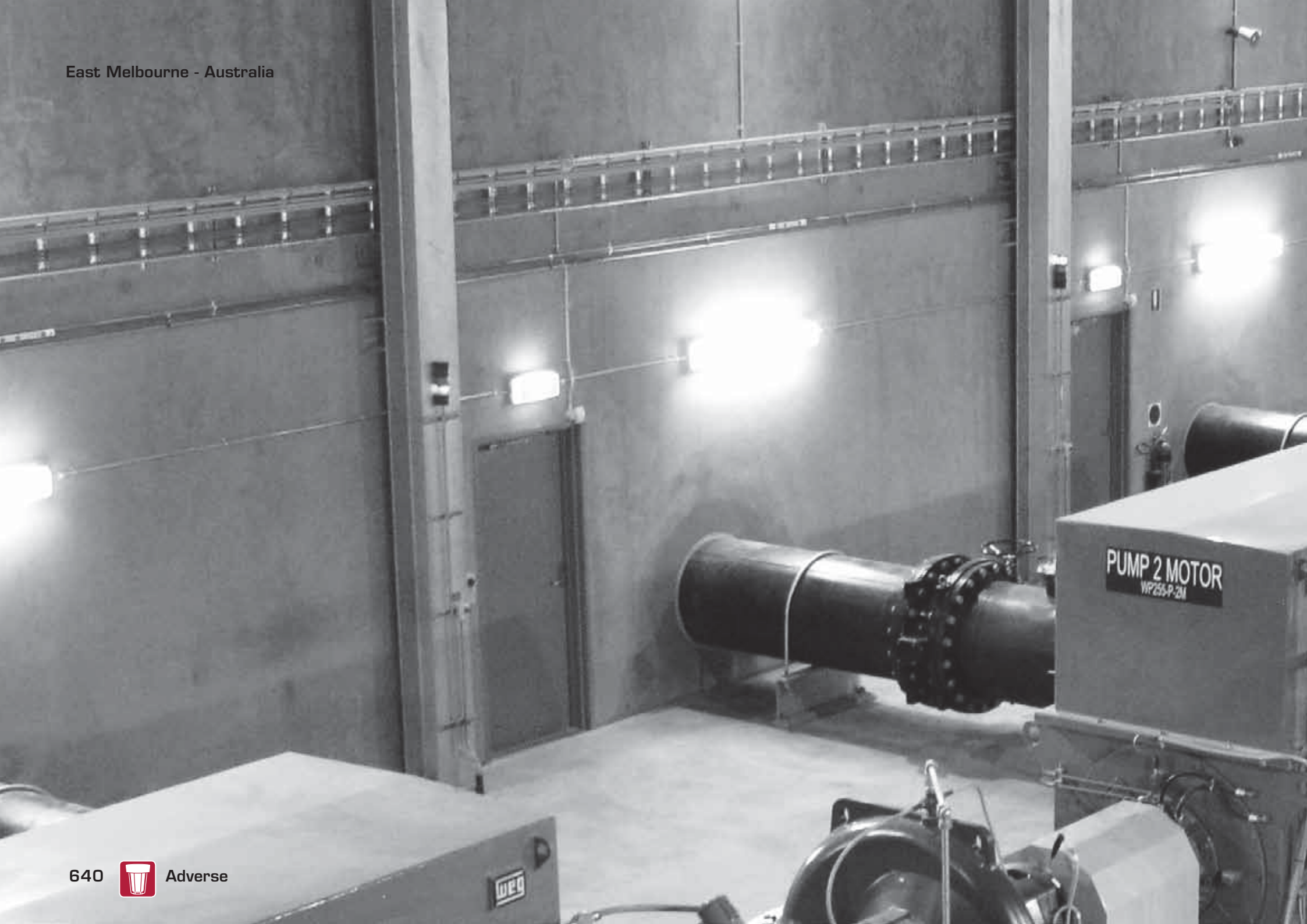
Accessories

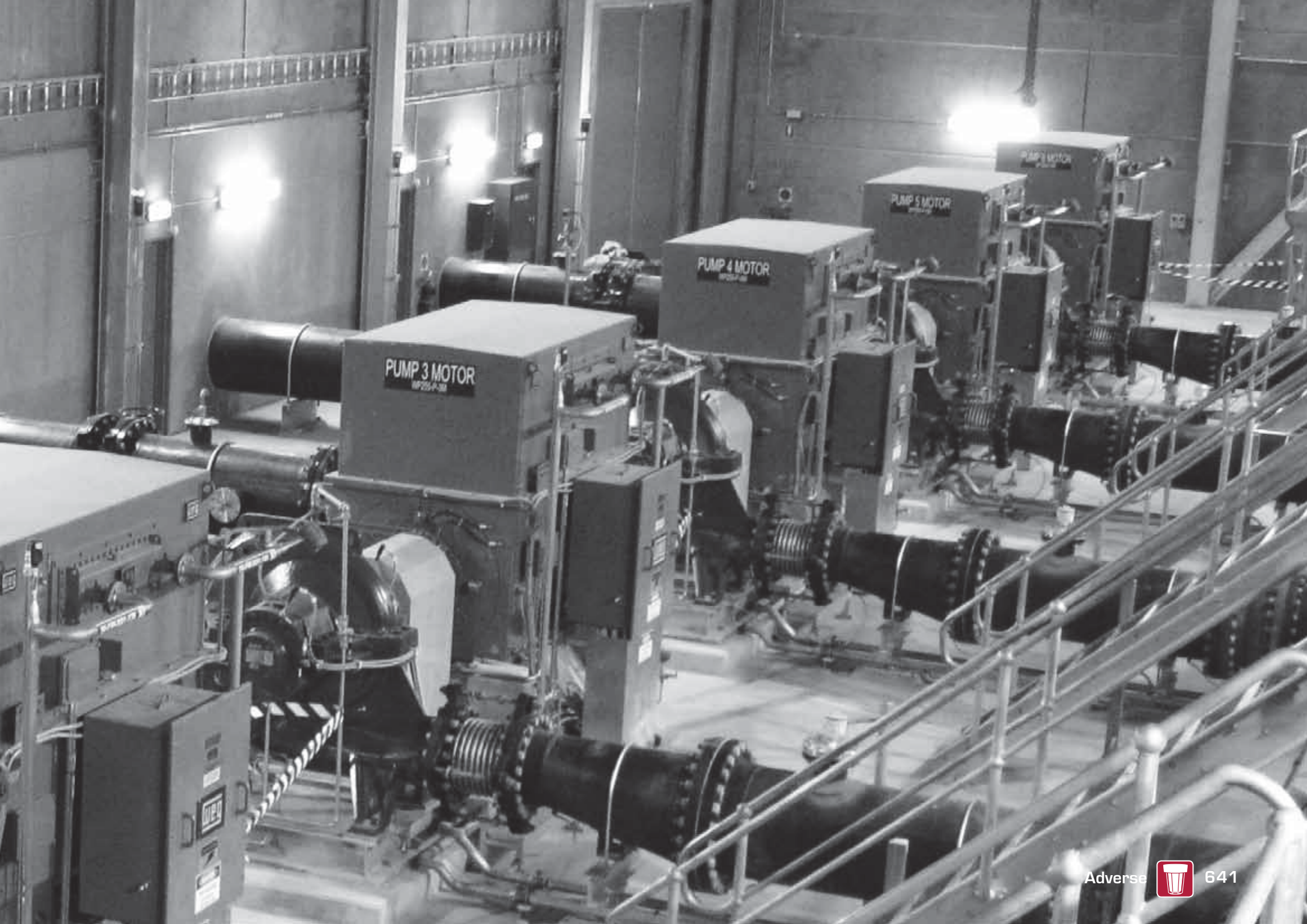
- PMB32/SDW Mounting bracket for 32NB Pipe (o/dia. 42-46mm)
- PMB40/SDW Mounting bracket for 40NB Pipe (o/dia. 48-51mm)



Max Dim(mm)
1612 x 172 x 108







SDW & SDWA

A high quality range of fully moulded weatherproof and adverse location luminaires.



Specifications

- Tough fibre glass reinforced polyester body with stainless steel diffuser clips fitted
- Optional polycarbonate or acrylic diffusers with internal prism patterns for easy cleaning
- Single and twin lamp versions have the same body width and profile
- Machine-applied polyurethane foam gasket guarantees the high IP66 rating
- Twin 36W and 58W units available with 45° watershed GRP covers for use in the food processing industry
- 20mm grommet cable entry at one end
- Double insulated version also available with GRP gear tray
- Available as an EX Zone rating



Quick Spec

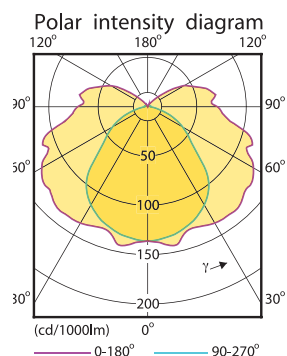
Pierlite SDW or SDWA reinforced polyester body with prismatic polycarbonate lens and IP66 seals. Optional double insulated gear tray module and watershed cover.

Design Applications

Mines, chemical plants, abattoirs, food processing areas, dairies, agricultural plants, farm sheds, breweries and enclosed swimming pools.

Performance

SDW236H 2 x T8 36W / 840
2 x 3350 lm



Utilisation factor table

Reflectances			Room Index									
C	W	F	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	32	38	43	46	51	55	57	61	63	
0.70	0.30	0.20	27	32	37	41	46	50	53	57	60	
0.70	0.10	0.20	23	28	33	36	42	46	49	54	57	
0.50	0.50	0.20	30	35	39	43	47	50	52	56	58	
0.50	0.30	0.20	25	30	35	38	43	46	49	53	55	
0.50	0.10	0.20	22	26	31	34	39	43	46	50	53	
0.30	0.50	0.20	28	32	36	39	43	46	48	51	53	
0.30	0.30	0.20	24	28	33	36	40	43	45	49	51	
0.30	0.10	0.20	21	25	29	32	37	40	43	47	49	
0.00	0.00	0.00	18	22	26	29	33	36	38	41	43	

Ceiling mounted

Light output ratio 0.68
Service upward 0.12
Service downward 0.56

CIE flux code 35 64 86 82 68

SHR NOM (square) 1.50
SHR MAX (square) 1.65
SHR MAX (continuous) 2.47
UGRcen (4Hx8H, 0.25H) 24

Product Codes

Code	Version	Dim (mm)	Mass (kg)
SDW118H	1 x 18WT8	662 x 188 x 115	2.9
SDW136H	1 x 36WT8	1272 x 188 x 115	4.4
SDW158H	1 x 58WT8	1572 x 188 x 115	5.5
SDW218H	2 x 18WT8	662 x 188 x 115	3.0
SDW236H	2 x 36WT8	1272 x 188 x 115	5.1
SDW258H	2 x 58WT8	1572 x 188 x 115	6.0
99018918	Eye suspension hook set		
PMB32/SDW	Mounting bracket for 32NB Pipe (o/dia. 42-46mm)		
PMB40/SDW	Mounting bracket for 40NB Pipe (o/dia. 48-51mm)		



Forma

A heavy duty, corrosion resistant luminaire body formed from grade 304 stainless steel.



Specifications

- 4mm tempered glass lens sealed into a one-piece, grade 304 stainless steel frame by a silicone gasket
- Separate closed cell rubber gasket seals the frame to the body and ensures an IP65 rating
- Frame is attached to the body by latches on one side and hinges to the other side
- Cable entry via two 1/2" plugged cable glands, one at either end plus an internal modular, white paint gear tray
- Special brackets and custom fixings available for mounting in tunnel projects plus plug & socket power connectors



Quick Spec

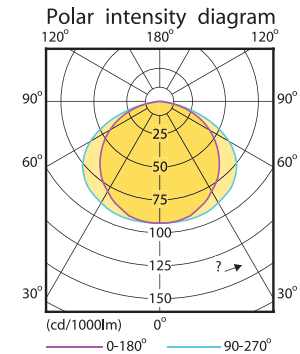
Pierlite Forma stainless steel housing with clips and tempered glass lens sealed to IP65. Modular gear tray with integral ballast.

Design Applications

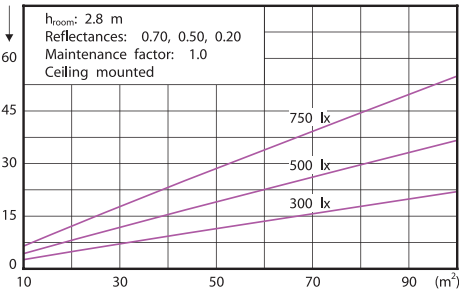
Arduous environments such as mines, chemical plants, construction sites, agricultural plants and commercial laundries. Especially suited to marine applications such as wharves and docks.

Performance

FMA236 2 x T16 36W / 840
2 x 3350 lm

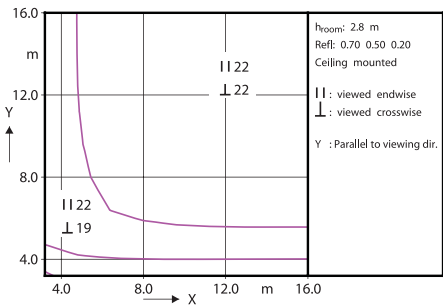


Quantity estimation diagram



Utilisation factor table

UGR diagram



Luminance Table

Product Codes

Code	Version	Dim (mm)	Mass (kg)
FMA236H	2 x 36W T8 IP65	1293 x 190 x 92	8.2
FMA258H	2 x 58W T8 IP65	1593 x 190 x 92	10.6

Notes:

For Electronic version add suffix EL e.g. FMA236EL. For Emergency versions add suffix M or NM e.g. FMA236NM. For Quality spec versions add suffix QS e.g. FMA236QS.

IP65



Max Dim(mm)
1593 x 190 x 92



Robust weatherproof fixtures for up to three lamps with a unique central locking system.



Specifications

- Housing moulded in glass reinforced polyester to resist adverse environments
- Prismatic hinged diffuser moulded in clear polycarbonate to resist impact
- Key operated central locking system with optional power cut-off switch
- Integrated silicone rubber seal ensures IP66 weather protection
- Modular gear tray accessed via a hinged white internal reflector
- HF electronic ballast circuit as standard or optional emergency versions with inverters and battery packs
- Supplied with stainless steel surface mounting brackets or install with optional mounting accessories



Quick Spec

Pierlite KWP with reinforced polyester body and hinged polycarbonate lens with key operated central locking mechanism. Integral hinged reflector and gear cover. Supplied with key.

Design Applications

Industrial environments where maintenance down time or OH&S issues are a criteria. Generally exposed applications where secure access is required.

Product Codes

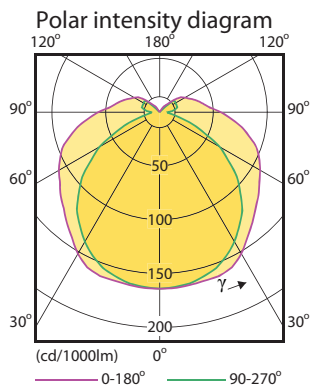
Code	Version	Dim (mm)	Mass (kg)
KWP118EL	1 x 18W T8	730 x 222 x 145	3.6
KWP218EL	2 x 18W T8	730 x 222 x 145	4.1
KWP136EL	1 x 36W T8	1335 x 222 x 145	7.8
KWP236EL	2 x 36W T8	1335 x 222 x 145	7.9
KWP336EL	3 x 36W T8	1335 x 222 x 145	8.2
KWP318EL	3 x 18W T8	730 x 222 x 145	4.4
KWP218MEL	18W maintained	730 x 222 x 145	4.5
KWP236MEL	36W maintained	1335 x 222 x 145	9.0
KWP318NMEL	18W non-maintained	730 x 222 x 145	4.8
KWP336NMEL	36W non-maintained	1335 x 222 x 145	9.3

Accessories

CHS/CLDN	500mm chain suspension set
CLM/CLDN	Ceiling mount kit
PDT/CLDN	Pendant mount kit
PMB40/CLDN	Dia. 40mm pipe mount kit

Performance

KWP336EL 3 x T8 36W / 840
3 x 3200 lm



Utilisation factor table

Room Index k	Reflectances (%) for ceiling, walls and working plane (CIE)															
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00	0.80	0.80	0.70	0.70	0.70
0.60	0.30	0.28	0.29	0.28	0.27	0.22	0.21	0.18	0.20	0.17	0.15	0.80	0.36	0.34	0.35	0.34
1.00	0.42	0.39	0.40	0.39	0.38	0.32	0.31	0.27	0.29	0.26	0.23	1.25	0.47	0.43	0.45	0.44
1.25	0.47	0.43	0.45	0.44	0.42	0.37	0.35	0.31	0.33	0.30	0.27	1.50	0.52	0.47	0.49	0.47
2.00	0.58	0.52	0.56	0.53	0.50	0.46	0.43	0.40	0.41	0.38	0.34	2.50	0.63	0.55	0.60	0.56
3.00	0.66	0.58	0.63	0.59	0.56	0.52	0.50	0.47	0.47	0.45	0.40	4.00	0.70	0.61	0.67	0.63
5.00	0.73	0.63	0.69	0.65	0.61	0.58	0.55	0.53	0.52	0.50	0.46					

Ceiling mounted

Light output ratio 0.69
Service upward 0.12
Service downward 0.57

CIE flux code 40 68 88 83 69

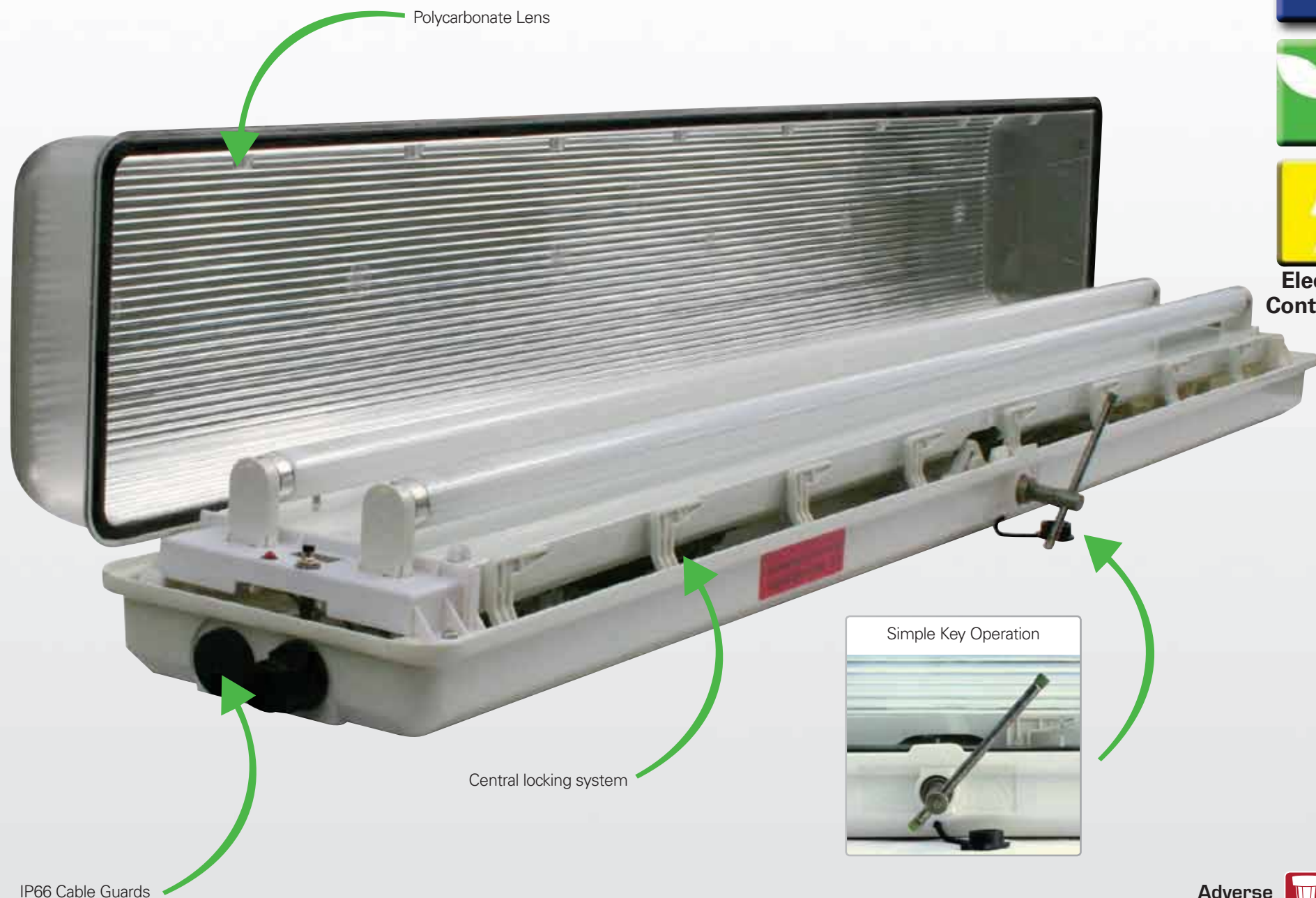
UGRcen (4Hx8H, 0.25H) 23

IP66



Max Dim(mm)
1335 x 222 x 145





Electronic
Control Gear



IP66 Cable Guards

Polycarbonate Lens

Central locking system

Simple Key Operation

Adverse



645