

Mini 300

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



PHILIPS

Features

- 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

Applications

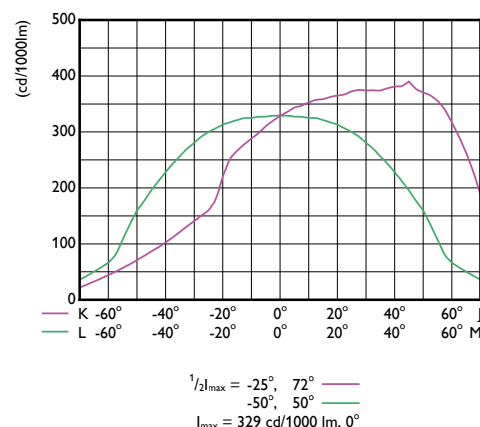
Larger retail areas such as car showrooms, bulk goods stores and supermarkets. Also suitable for petrol station forecourts and under awning lighting.



Technical

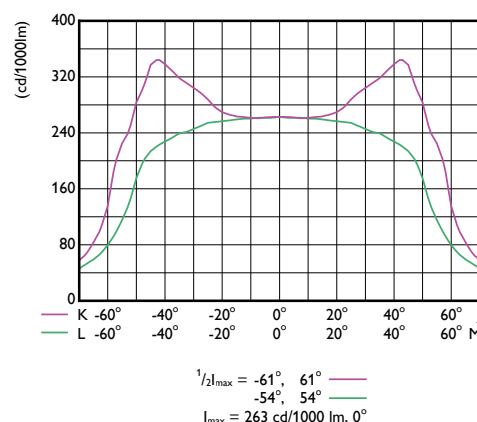
DBP300 A-WB 1 x CDM-TD150W / 942
L.O.R. = 0.84 1 x 14200 lm

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
DBP300A	150W Recessed asymmetric
DBP300S	150W Recessed symmetric
DBP300S250	250W Recessed symmetric
DCP300A	150W Surface mount asymmetric
DCP300S	150W Surface mount symmetric
DCP300S250	250W Surface mount symmetric



458 Adverse



IP65

max dim(mm)
330 x 330 x 210



PIERLITE
professional lighting solutions

Wall Mate

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

Features

- 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

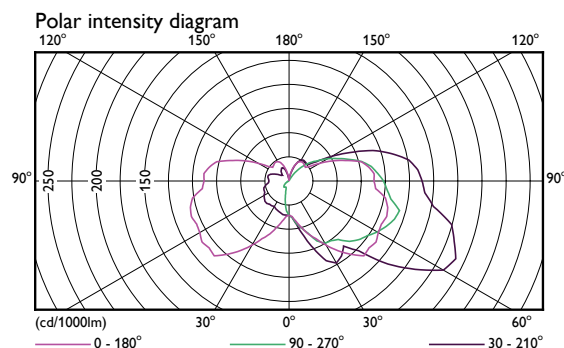
- Lamps included
- Designed for vertical wall mount installation

Applications

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

Technical

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

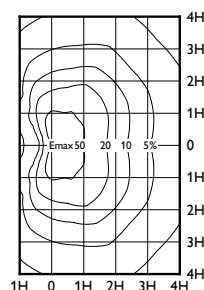


0°
max 160 = 1570 cd
max 180 = 152 cd / 1000 lm
max 190 = 147 cd / 1000 lm

43184

Horizontal Illuminance

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



Product Codes

Code	Version
UW226H	2X26W PLC
UW157C	1x57W PLT
UW70MH	70W MH-E27
UW100MH	100W MH-E27
UW70SI	70W HPS-I
Accessories	
UWWG	Wire guard



TWP

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

Features

- 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 inch, plugged cable entry and centre back gasketed knockout option

Applications

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

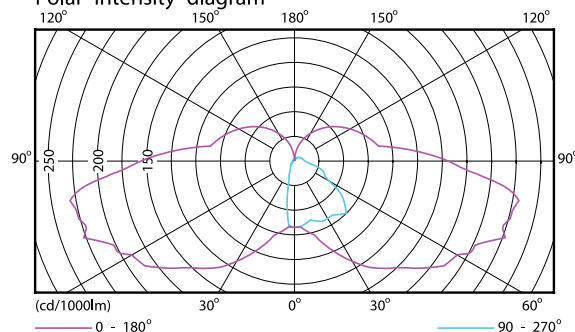


Technical

TWP70MH
L.O.R. = 0.68

1 x 5300 lm

Polar intensity diagram

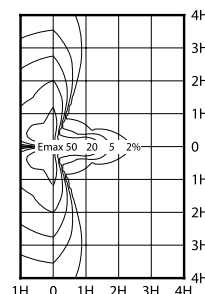


0°
max I60 = 1010 cd
max I80 = 231 cd / 1000 lm
max I90 = 195 cd / 1000 lm

1197021601

Horizontal Illuminance

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



Product Codes

Code	Version
TWP157C	57W PLT
TWP70MH	70W MH
TWP100MH	100W MH
TWP175MH	175W MH
TWP70HPS	70W HPS
TWP150HPS	150W HPS
For Photoelectric cell add 'PE' to code e.g. TWP150HPSPE	

Accessories

TWPWG	Wire guard
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460 Adverse



IP64

max dim(mm)
410 x 392 x 197



TWH

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

Features

- 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

Applications

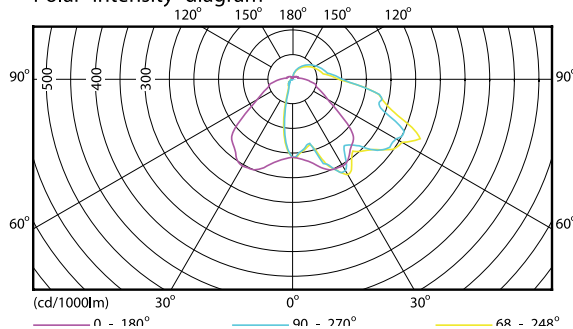
Used around large building perimeters or along access driveways, entrances, loading docks, walkways and vehicle ramps.



Technical

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

Polar intensity diagram

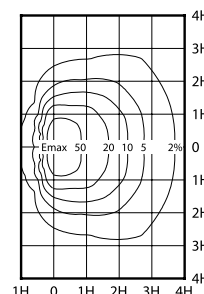


0°
max I60 = 6910 cd
max I80 = 179 cd / 1000 lm
max I90 = 100 cd / 1000 lm

1194121002

Horizontal Illuminance

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



Product Codes

Code	Version
TWH157C	57W PLT
TWH70MH	70W MH
TWH100MH	100W MH
TWH175MH	175W MH
TWH250MH	250W MH
TWH70HPS	70W HPS
TWH150HPS	150W HPS
TWH250HPS	250W HPS
For Photoelectric cell add 'PE' to code e.g. TWH150HPSPE	

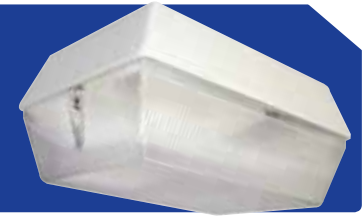
Accessories

TWHWG	Wire guard
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Maxipac

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



Features

- Heavy duty, pressure die-cast aluminium body finished with a durable white polyester powder coat paint
- Clear injection moulded, high impact 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

Applications

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

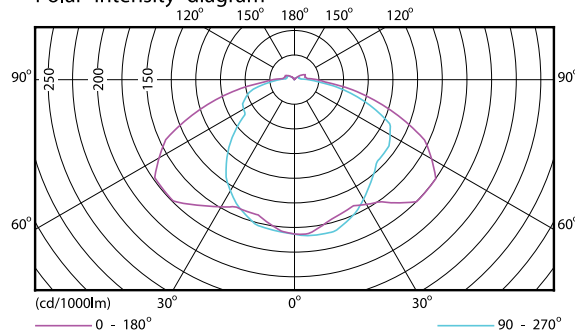


Technical

LPM80MV
L.O.R. = 0.73

1 x MV 80W
1 x 3700 lm

Polar intensity diagram

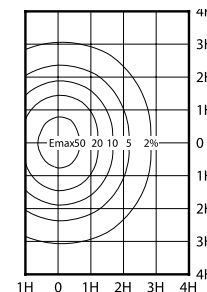


0°
max 160 = 594 cd
max 180 = 68 cd / 1000 lm
max 190 = 30 cd / 1000 lm

C0565

Horizontal Illuminance

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



Product Codes

Code	Version
LPM70MH	70W MH
LPM70HPS	70W HPS
LPM70HPSI	70W HPS-I
LPC118M	18W PLC Maintained
LPC118NM	18W PLC Non-maintained
LPC218	2x18W PLC



462 Adverse



max dim(mm)
315 x 220 x 155



PIERLITE
professional lighting solutions

Powerlite

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



Features

- 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

Applications

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



Technical

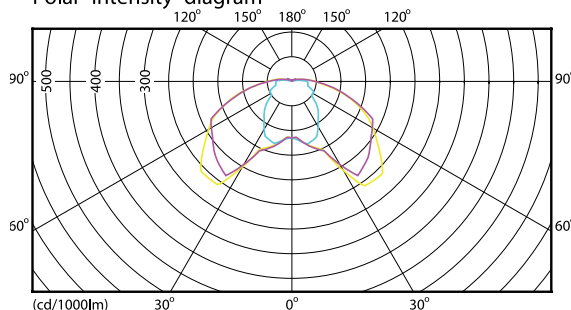
PWR70HPS

1 x HPS-E/I 70W

L.O.R. = 0.82

1 x 5600 lm

Polar intensity diagram

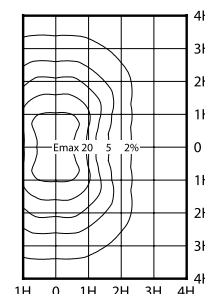


0°
max I60 = 1168 cd
max I80 = 101 cd / 1000 lm
max I90 = 50 cd / 1000 lm

22051

Horizontal Illuminance

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



Product Codes

Code	Version
PWR100MH	100W MH
PWR150MH	150W MH
PWR100HPS	100W HPS
PWR150HPS	150W HPS

Accessories

PWRWG	Wire guard
PWR/BRKT	Galvanised bracket



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



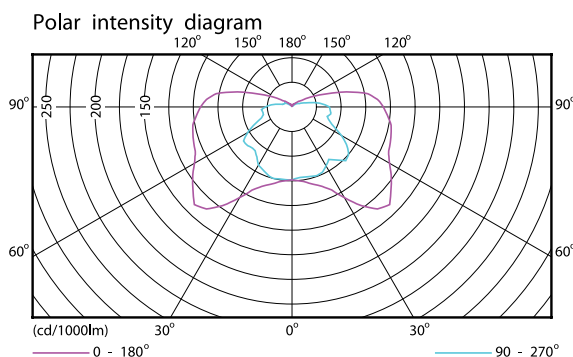
- Pressure die-cast LM6 aluminium with chromate treatment and black epoxy powder coat
- Heavy duty borosilicate glass lens with internal prisms for optimum light distribution and smooth exterior for easy cleaning
- Trim secured to body by four stainless steel screws
- Optional wire guard or visor faces
- 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
- 4 x M20 threaded cable entries for easy wiring access and looping if required

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

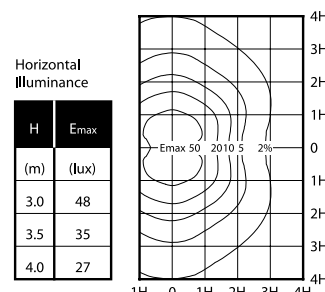


NXS70HPS



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

PH649A



464 Adverse



max dim(mm)
297 x 190 x 178





NXS Stainless Steel

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

Features

- 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

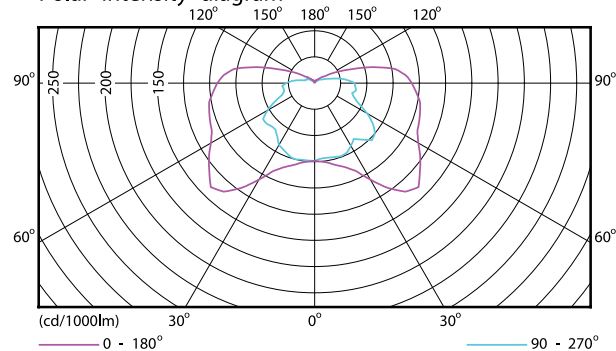
Applications

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

Technical

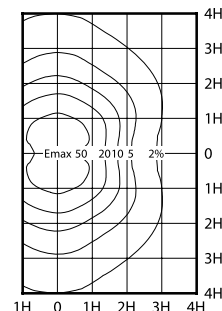
NXS70HPS Ceiling 1 x SHP 70W/CO-E base@C270
L.O.R. = 0.68 1 x 5800 lm

Polar intensity diagram



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

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



Product Codes

Code	Version
NXSS226C	2 x 26W PLC
NXSS80MV	80W MV
NXSS70MH	70W HQI-E
NXSS70HPS	70W HPS
NXSS70HPSI	70W HPS-I
NXSS118NM	18W Non Maintained
NXSS70SCOM	70W HPS Mining



466 Adverse



max dim(mm)
297 x 190 x 178



PIERLITE
professional lighting solutions

Quasar

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



Features

- 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

Applications

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

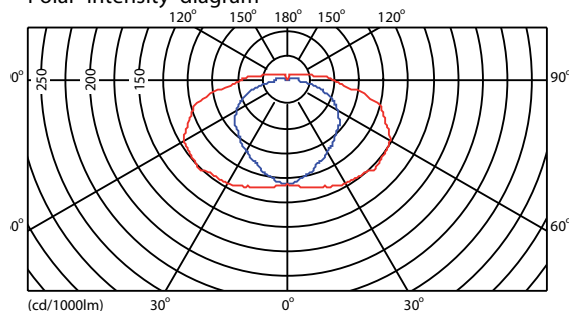
PHILIPS



Technical

PLQUASAR 1 x PL-L18W / 84
L.O.R. = 0.57 1 x 1200 lm

Polar intensity diagram

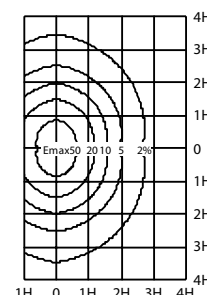


0°
max 160 = 145 cd
max 180 = 79 cd / 1000 lm
max 190 = 48 cd / 1000 lm

1774

Horizontal Illuminance

H (m)	E _{max} (lux)
3.0	14
4.0	8
5.0	5



Product Codes

Code	Version
PLQUASAR	18W PLL



Vandalux®

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



Features

- 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

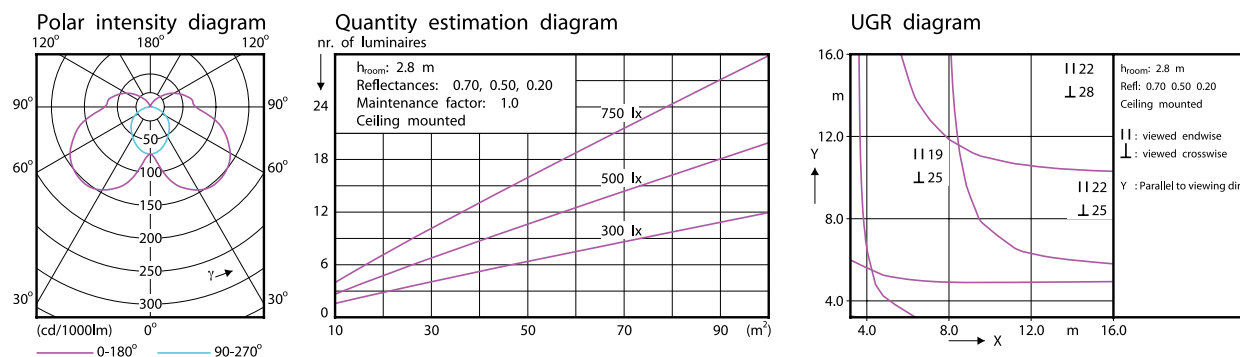
Applications

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.



Technical

VP 236 2xTLD 36W/840



468 Adverse



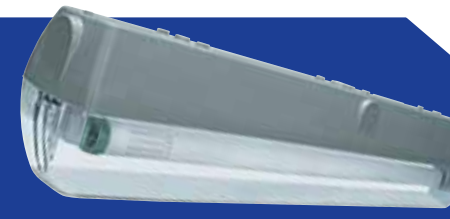
max dim(mm)
1310 x 140 x 120



PIERLITE
professional lighting solutions

Vandalite

Tough, IK10 impact resistant, energy efficient luminaire designed for adverse applications.



PHILIPS

Features

- 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, linear T8 or compact PLL lamp versions with magnetic switch start gear
- IK10 impact rating

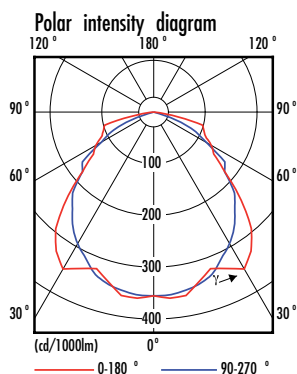
- Housing has moulded end, side and rear conduit entries to be drilled as required
- Lamps included

Applications

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

Technical

VL136HC



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	61	69	76	81	88	92	95	99	102	
0.70	0.30	0.20	54	62	70	75	82	87	91	96	99	
0.70	0.10	0.20	49	57	65	70	78	83	87	93	96	
0.50	0.50	0.20	60	67	74	78	85	89	92	95	98	
0.50	0.30	0.20	53	61	68	73	80	85	88	93	95	
0.50	0.10	0.20	49	57	64	69	76	81	85	90	93	
0.30	0.50	0.20	58	65	72	76	82	86	88	92	94	
0.30	0.30	0.20	53	60	67	72	78	82	85	90	92	
0.30	0.10	0.20	49	56	63	68	75	79	83	87	90	
0.00	0.00	0.00	47	54	60	65	72	76	79	83	86	

Ceiling mounted



Product Codes

Code	Version
VL114O	14W T5 Opal
VL114C	14W T5 Clear
VL118HO	18W T8 Opal
VL118HC	18W T8 Clear
VL136HO	36W PL - L Opal
VL136HC	36W PL - L Clear



Product Codes		
Code	Version	Dim (mm)
VP118H	1x18WT8	670 x 140 x 120
VP218H	2x18WT8	670 x 140 x 120
VP136H	1x36WT8	1310 x 140 x 120
VP236H	2x36WT8	1310 x 140 x 120
VP114	1x14WT5	670 x 140 x 120
VP214	2x14WT5	670 x 140 x 120
VP128	1x28WT5	1310 x 140 x 120
VP228	2x28WT5	1310 x 140 x 120
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 '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 for 18W	
C29VANDALUX	Horizontal wall bracket for 36W	
C32VANDALUX	Spigot mounting kit with cable gland to suit dia.34mm pipe - FOR 18W VERSION ONLY	
C33VANDALUX	Flat wall bracket, 5' upcast with Dia. 34mm spigot	
C34VANDALUX	Corner wall bracket, 5' upcast with Dia. 34mm spigot	
C35VANDALUX	Universal bracket	
C36VANDALUX	Ceiling mounting bracket	
PMB32/VAN	Single pipe mounting bracket to suit Dia. 42 - 46mm pipe	
PMB40/VAN	Single pipe mounting bracket to suit Dia. 48 -51mm pipe	



Vandaguard®

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



Features

- 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

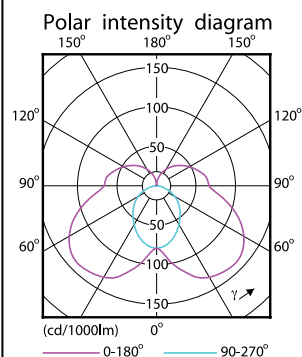
- Cable entry via centre of the base

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.

Technical

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



470 Adverse



IP66

max dim(mm)
1310 x 140 x 80

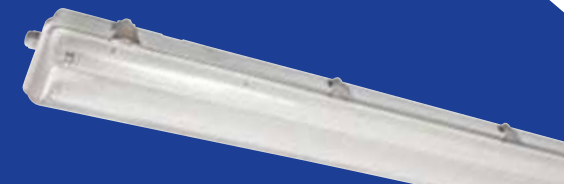


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Product Codes		Dim
Code	Version	(mm)
VPF118H	1 x 18WT8	670 x 140 x 80
VPF218H	2 x 18WT8	670 x 140 x 80
VPF136H	1 x 36WT8	1310 x 140 x 80
VPF236H	2 x 36WT8	1310 x 140 x 80
Prismatic supplied as standard, For Clear lens replace P with C For Opal lens replace P with O e.g. VCF136H.		
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. 'QS' for Quality Spec version. 'AV' for anti-vibration version. e.g. VPF236HAV		
Dimming and heavy duty control gear versions available, upon request.		

BWP/T

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

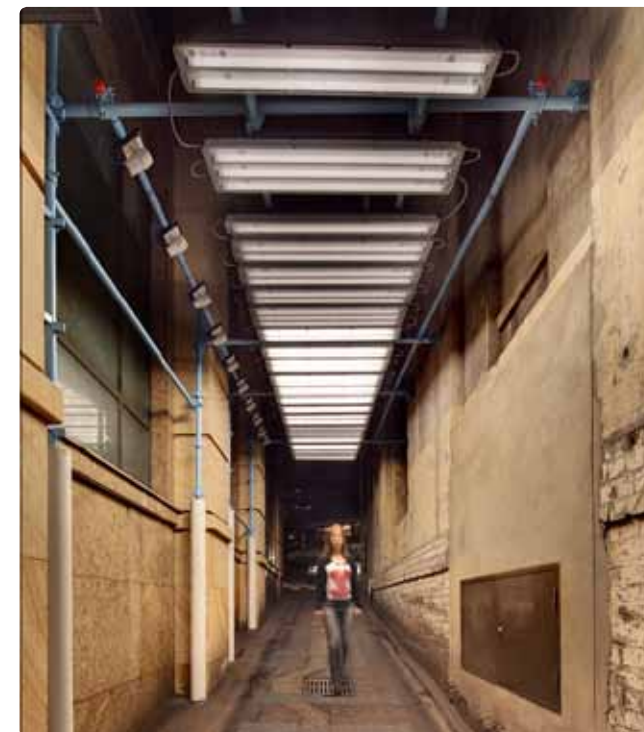


Features

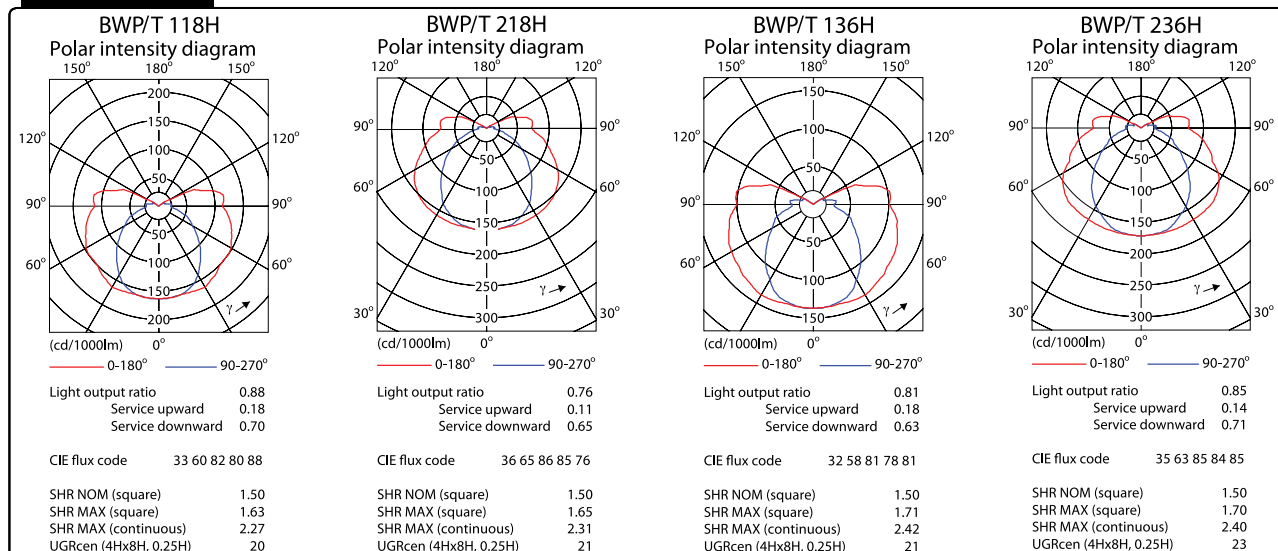
- Self extinguishing and UV stabilised polycarbonate body in a neutral light grey colour
- Clear prismatic polycarbonate lens resists impact and abuse. T8 4000K lamps included
- Supplied with robust and lockable stainless steel clips fitted to the body, rated IK08
- 20mm cable entry with PG8.5 gland 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
- Supplied with stainless steel mounting clips for easy installation without compromising the IP integrity

Applications

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



Technical



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



474 Adverse



max dim(mm)
1300 x 152 x 104



PIERLITE
professional lighting solutions



Secure access screws

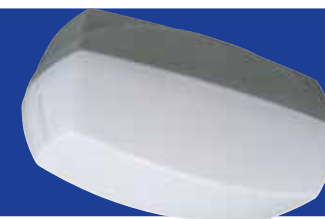


Tough polycarbonate lens



Mini Vandalite

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



PHILIPS

Features

- 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

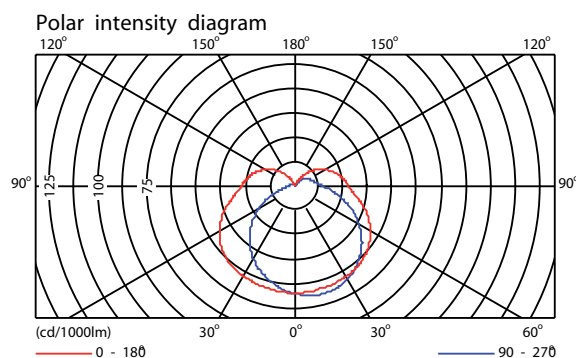
Applications

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.

Technical

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

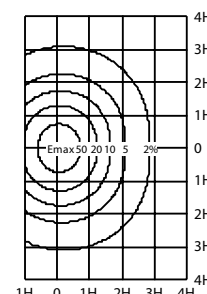


0°
max 160 = 67 cd
max 180 = 34 cd / 1000 lm
max 190 = 28 cd / 1000 lm

P200711120

Horizontal
Illuminance

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



Product Codes		Dim	Mass
Code	Version	(mm)	(kg)
MVL24W	E27 24W CFLI maximum	245 x 120 x 114	0.50



472 Adverse



IP54

max dim(mm)
245 x 120 x 114



PIERLITE
professional lighting solutions



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.



Features

- Self extinguishing and UV stabilized polycarbonate body in a neutral light grey colour
- Efficient prismatic lenses in clear polycarbonate provide optimum lighting performance from the T5 lamps
- 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 40c 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

Applications

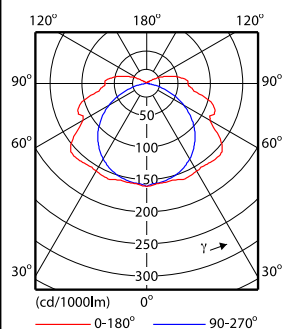
Ideal for exposed applications around buildings, undercover car parks, waterfront areas, construction sites or wherever security lighting is required and energy consumption is a criteria.



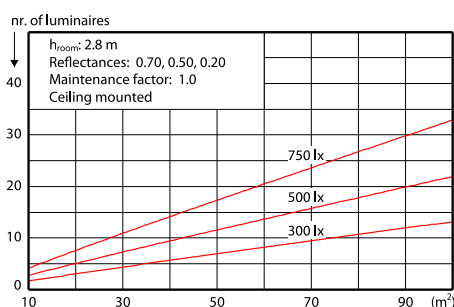
Technical

BWP/T5228 2 x 28W T5

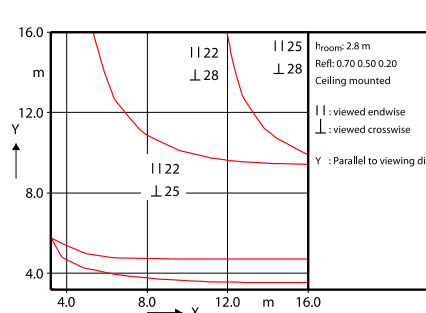
Polar intensity diagram



Quantity estimation diagram



UGR diagram



Product Codes		Dim
Code	Version	(mm)
BWP/T5114	1 x 14W T5	620 x 65 x 80
BWP/T5214	2 x 14W T5	620 x 110 x 80
BWP/T5128	1 x 28W T5	1220 x 65 x 90
BWP/T5228	2 x 28W T5	1220 x 110 x 90



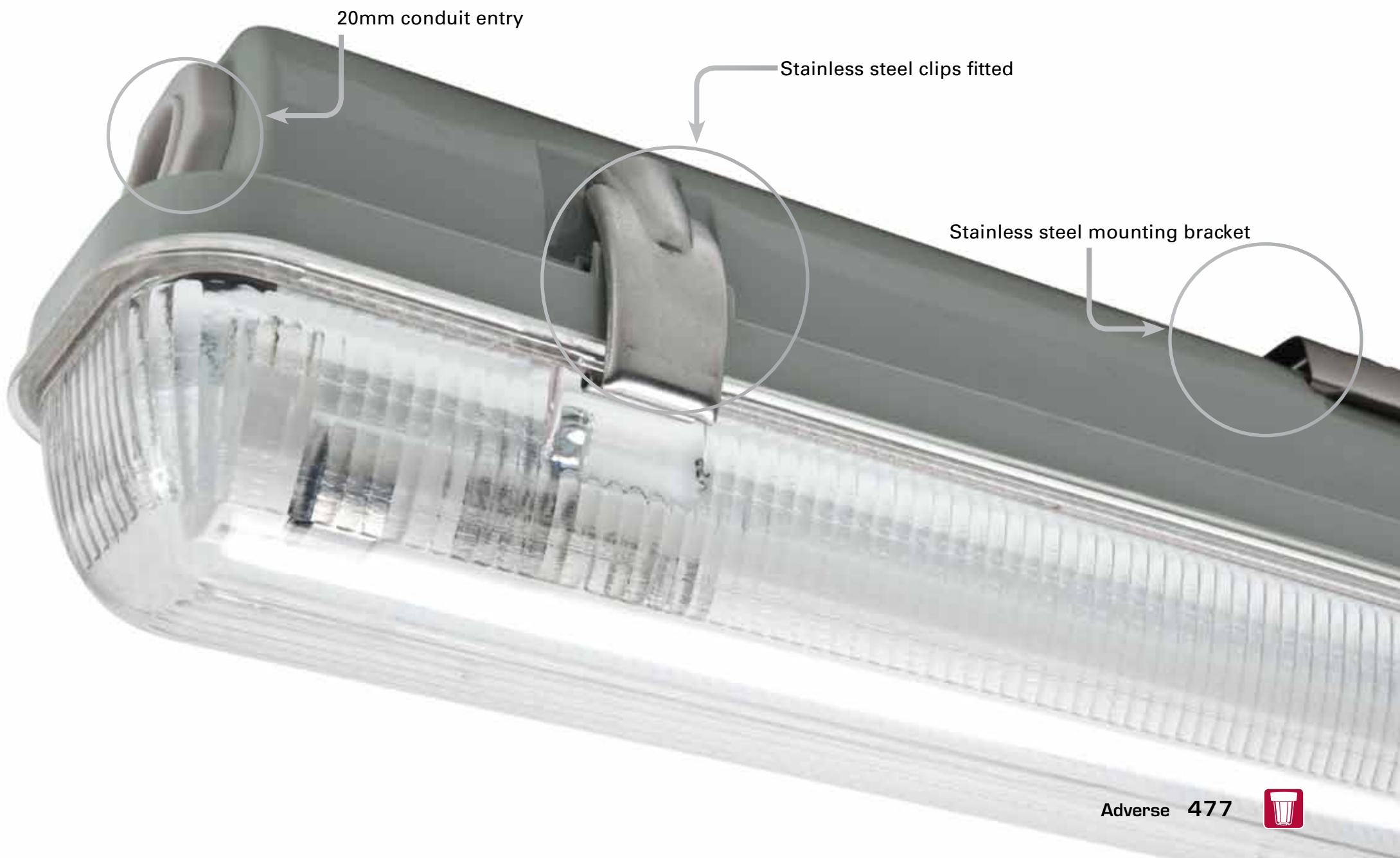
476 Adverse



max dim(mm)
1220 x 110 x 90



PIERLITE
professional lighting solutions



20mm conduit entry

Stainless steel clips fitted

Stainless steel mounting bracket



Futurix

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



Features

- 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
- Can be surface mounted or suspended using the installation clip accessories

- Lamp included
- Optional integral emergency versions available

Applications

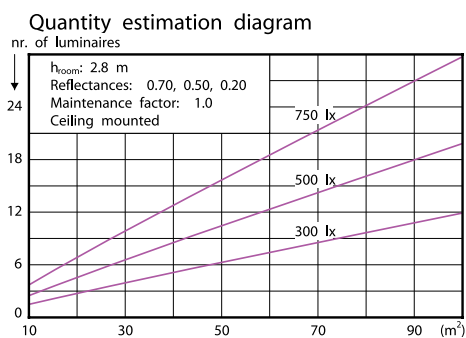
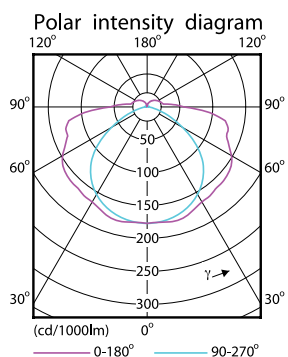
Industrial areas, car parks, awnings, security lighting and general weatherproof applications where performance and energy efficiency are a criteria.



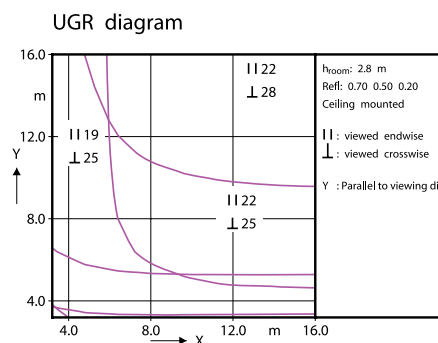
Easy clip in installation

Technical

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



Utilisation factor table



Luminance Table



478 Adverse



max dim(mm)
1575 x 134 x 98

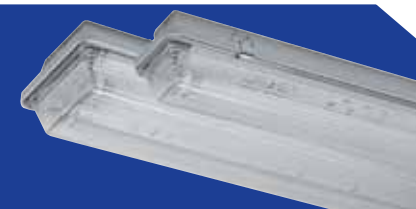


Product Codes		Dim
Code	Version	(mm)
FRX114	1 x 14WT5	665 x 84 x 98
FRX124	1 x 24WT5	665 x 84 x 98
FRX128	1 x 28WT5	1275 x 84 x 98
FRX135	1 x 35WT5	1575 x 84 x 98
FRX214	2 x 14WT5	665 x 134 x 98
FRX224	2 x 24WT5	665 x 134 x 98
FRX228	2 x 28WT5	1275 x 134 x 98
FRX154	1 x 54WT5	1275 x 134 x 98
FRX180	1 x 80WT5	1575 x 134 x 98
Maintained emergency		
FRX228ME	2 x 28WT5	1275 x 134 x 98

PIERLITE
professional lighting solutions

PWP™ & PWA™

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



Features

- 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

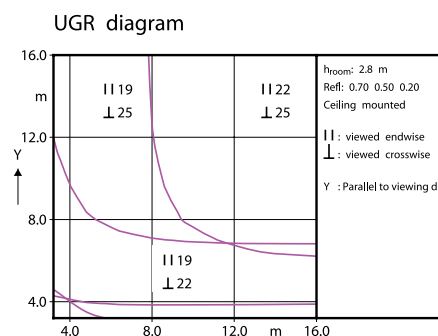
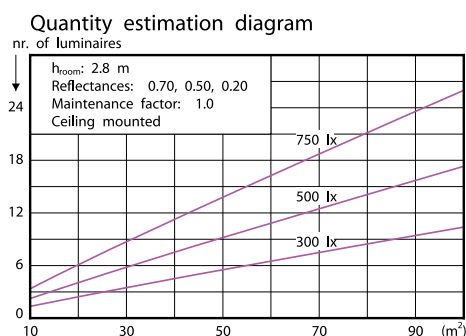
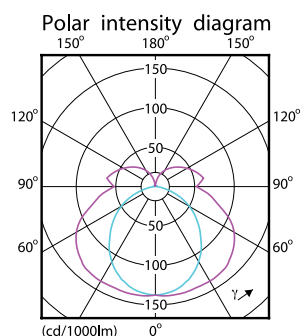
Applications

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



Technical

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



Product Codes		Dim
Code	Version	(mm)
PWP118H	1 x 18W T8	697 x 102 x 108
PWP218H	2 x 18W T8	697 x 172 x 108
PWP136H	1 x 36W T8	1307 x 102 x 108
PWP236H	2 x 36W T8	1307 x 172 x 108
PWP158H	1 x 58W T8	1612 x 102 x 108
PWP258H	2 x 58W T8	1612 x 172 x 108

For Acrylic diffuser replace P with A e.g. PWA118H
For Electronic gear replace H with EL e.g. PWP118EL
For Emergency version add suffix M or NM e.g. PWP236NM
For Quality spec add suffix QS e.g. PWP236QS

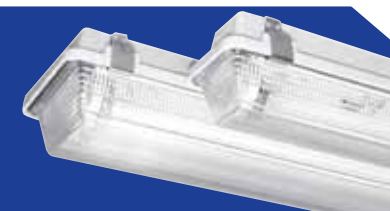
Accessories

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



NPSK & NLT

A special range of weatherproof luminaires engineered for use in adverse, low temperature environments.



Features

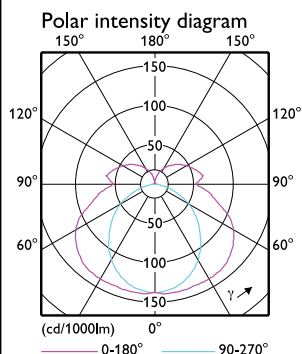
- Tough fibre-glass reinforced polyester body with screw lockable stainless steel diffuser clips
- Polyurethane machine-poured foam gasket guarantees high IP65 protection against the environment
- Polycarbonate prismatic diffuser resists impact and abuse
- 20mm plugged cable entries located at both ends. Mounting holes moulded into body with rubber sealing washers included
- NTL lamp holders feature additional polycarbonate inner sleeve/s to insulate the lamps. Both models use electronic starters
- Luminaire cold ambient operating temperatures. NPSK diffuser only with electronic starters and T12 Ø38mm tube is -7°C
- NLT diffuser and lamp sleeve with electronic starters and T8 Ø26mm tube is -30°C
- Emergency versions and or electronic ballasts are available options with the NPSK only

Applications

Large and small cool rooms, cold storage areas and produce freezer rooms. Open industrial sites exposed to sub zero climates.

Technical

NPSK236 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	33	39	44	47	52	56	58	61	64	
0.70	0.30	0.20	28	33	38	42	47	51	54	58	61	
0.70	0.10	0.20	24	29	34	38	43	47	51	55	58	
0.50	0.50	0.20	31	36	40	43	48	51	53	56	58	
0.50	0.30	0.20	26	31	36	39	44	47	50	53	55	
0.50	0.10	0.20	23	27	32	35	40	44	47	51	53	
0.30	0.50	0.20	28	33	37	39	43	46	48	51	53	
0.30	0.30	0.20	24	29	33	36	40	43	46	49	51	
0.30	0.10	0.20	21	26	30	33	38	41	43	47	49	
0.00	0.00	0.00	19	22	26	29	33	35	38	40	42	

Ceiling mounted

Light output ratio **0.69**
Service upward **0.15**
Service downward **0.54**

CIE flux code **37 67 88 78 69**

SHR NOM (square) **1.50**
SHR MAX (square) **1.63**
SHR MAX (continuous) **2.38**
UGRcen (4Hx8H, 0.25H) **24**

Product Codes		Mass
Code	Version	(mm)
Diffuser and sleeves for Ta -30°C		
NLT118H	1 x 18WT8	702 x 102 x 188
NLT218H	2 x 18WT8	702 x 172 x 108
NLT136H	1 x 36WT8	1312 x 102 x 108
NLT236H	2 x 36WT8	1312 x 172 x 108
NLT158H	1 x 58WT8	1612 x 102 x 108
NLT258H	2 x 58WT8	1612 x 172 x 108
Diffuser only for Ta -7°C		
NPSK118H	1 x 18WT12	702 x 102 x 188
NPSK218H	2 x 18WT12	702 x 172 x 108
NPSK136H	1 x 36WT12	1312 x 102 x 108
NPSK236H	2 x 36WT12	1312 x 172 x 108
NPSK158H	1 x 58WT12	1612 x 102 x 108
NPSK258H	2 x 58WT12	1612 x 172 x 108
For Quality spec add suffix QS e.g. NPSK236QS		
For emergency version add suffix M or NM e.g.		
Accessories		
PMB32/SDW	Mounting bracket for 32NB Pipe (o/dia 42-46mm)	
PMB40/SDW	Mounting bracket for 40NB Pipe (o/dia 48-51mm)	



480 Adverse

IP65



max dim(mm)

1612 x 172 x 108



PIERLITE
professional lighting solutions

SDW & SDWA

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



Features

- 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

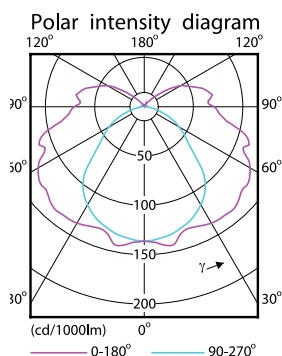
Applications

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



Technical

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		Dim
Code	Version	(mm)
SDW118H	1 x 18W T8	662 x 188 x 115
SDW218H	2 x 18W T8	662 x 188 x 115
SDW136H	1 x 36W T8	1272 x 188 x 115
SDW236H	2 x 36W T8	1272 x 188 x 115
SDW158H	1 x 58W T8	1572 x 188 x 115
SDW258H	2 x 58W T8	1572 x 188 x 115
For Acrylic diffuser add A to the code e.g. SDWA236H		
For Emergency versions add suffix M or NM e.g. SDW236NM		
For Electronic versions add suffix EL e.g. SDW236EL		
For Quality spec versions add suffix QS e.g. SDW236HQS		
For Watershed versions add suffix WS e.g. SDW236HWS (36W & 58W only)		
Accessories		
PMB32/SDW	Mounting bracket for 32NB Pipe (o/dia. 42-46mm)	
PMB40/SDW	Mounting bracket for 40NB Pipe (o/dia. 48-51mm)	
99018918	Eye suspension hook set	



Forma

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



Features

- 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

Applications

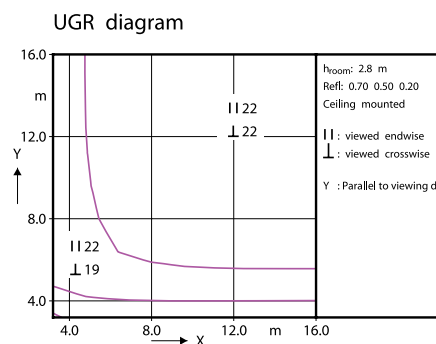
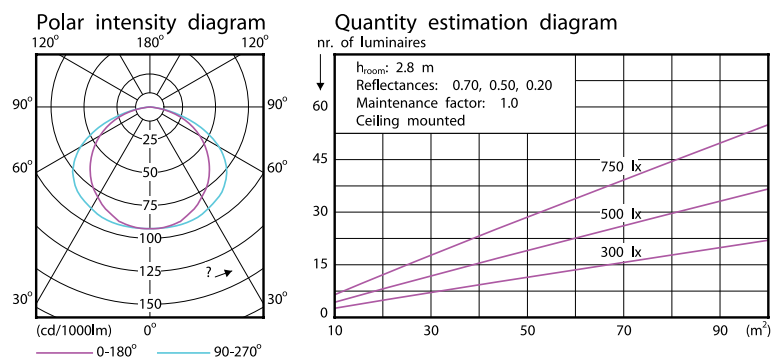
Arduous environments such as mines, chemical plants, construction sites, agricultural plants and commercial laundries. Especially suited to marine applications such as wharves and docks.

disano



Technical

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



Product Codes		Dim
Code	Version	(mm)
FMA236H	2 x 36WT8	1293 x 190 x 92
FMA258H	2 x 58WT8	1593 x 190 x 92
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		



482 Adverse

IP65



max dim(mm)
1593 x 190 x 92



PIERLITE
professional lighting solutions

KWP

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



Features

- 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

Applications

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

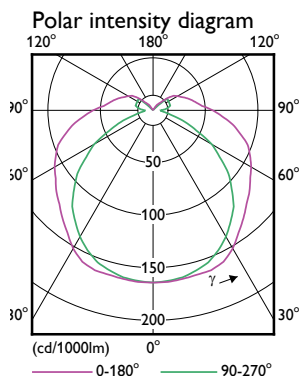


Central locking system

Technical

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	0.00
0.60	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00	0.00
0.80	0.36	0.34	0.35	0.34	0.33	0.28	0.26	0.23	0.25	0.22	0.19	0.19
1.00	0.42	0.39	0.40	0.39	0.38	0.32	0.31	0.27	0.29	0.26	0.23	0.23
1.25	0.47	0.43	0.45	0.44	0.42	0.37	0.35	0.31	0.33	0.30	0.27	0.27
1.50	0.52	0.47	0.49	0.47	0.45	0.40	0.38	0.35	0.36	0.33	0.30	0.30
2.00	0.58	0.52	0.56	0.53	0.50	0.46	0.43	0.40	0.41	0.38	0.34	0.34
2.50	0.63	0.55	0.60	0.56	0.54	0.50	0.47	0.44	0.44	0.42	0.38	0.38
3.00	0.66	0.58	0.63	0.59	0.56	0.52	0.50	0.47	0.47	0.45	0.40	0.40
4.00	0.70	0.61	0.67	0.63	0.59	0.56	0.53	0.51	0.50	0.48	0.44	0.44
5.00	0.73	0.63	0.69	0.65	0.61	0.58	0.55	0.53	0.52	0.50	0.46	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

Product Codes		Dim
Code	Version	(mm)
KWP118EL	1 x 18W T8	730 x 222 x 145
KWP218EL	2 x 18W T8	730 x 222 x 145
KWP318EL	3 x 18W T8	730 x 222 x 145
KWP218MEL	18W maintained emergency	
KWP318NMEL	18W non-maintained emergency	
KWP136EL	1 x 36W T8	1335 x 222 x 145
KWP236EL	2 x 36W T8	1335 x 222 x 145
KWP336EL	3 x 36W T8	1335 x 222 x 145
KWP236MEL	36W maintained emergency	
KWP336NMEL	36W non-maintained emergency	
Accessories		
PMB40/CLDN	Dia. 40mm pipe mount kit	
CHS/CLDN	500mm chain suspension set	
PDT/CLDN	Pendant mount kit	
CLM/CLDN	Ceiling mount kit	

