



**2010-2011**

**P PROMELUX**

Waterproof Lighting Fixtures





# T8D SERIES PROMELUX LIGHTING

## IP65 Waterproof lighting fixtures

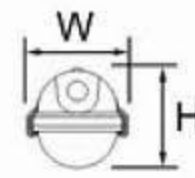
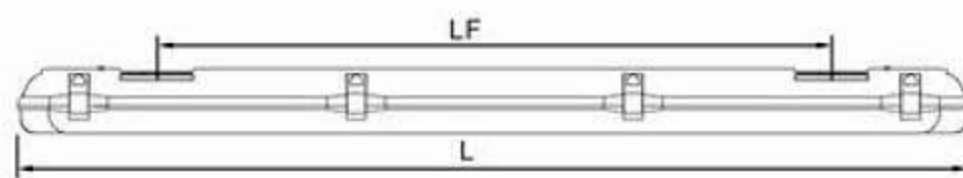


### Features:

**Body:** Injection moulded, opaque UV stabilized polycarbonate body, waterproof gasket in natural silicon gel . Secure the gear tray by "T" shape rotated supports, with plastic gear tray holder connected to the body for easy installation and maintenance. Closing clips in polycarbonate or stainless steel , with two clips at one side of the diffuser suspending the cover once opened. The design of the end of the clips is for easy opening the diffuser by fingers only, no need other tool.

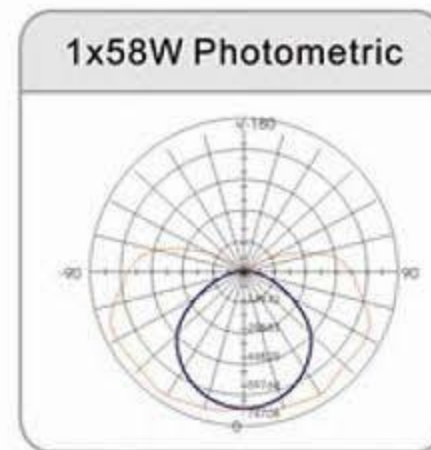
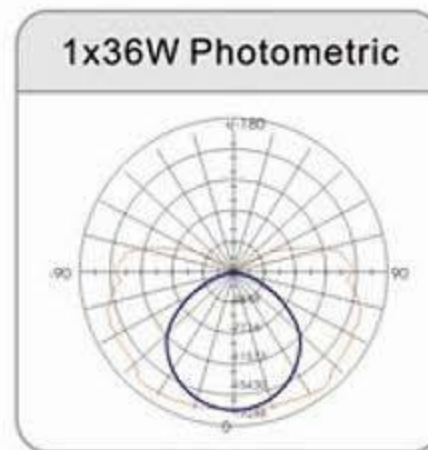
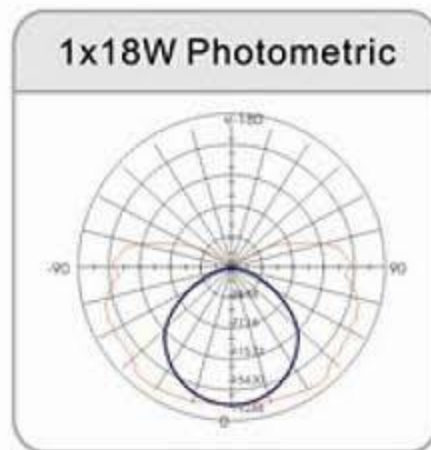
**Reflector:** White-coated flat metal plate, with two ends 5mm down for the appropriate position of the lamp once installed.

**Diffuser:** Injection moulded, transparent UV stabilized polycarbonate diffuser, highly impact resistant, It features averaged 3mm width anti-dazzling prismatic line and stylish ,fine grained frosted front "{" and "}" shape planes.



### T8D single lamp

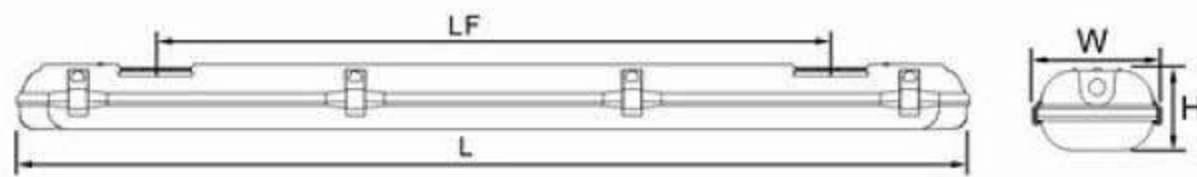
Code	Lamps	IP Rating	Clip Q'TY	Dimensions mm				Q'TY/ctn (PCS)	Packing size (mm)
				L	W	H	LF		
V3118D	1x18W T8 G13	IP65	6	664	90	90	350	12	685x395x300
V3136D	1x36W T8 G13	IP65	8	1274	90	90	900	9	1295x300x300
V3158D	1x58W T8 G13	IP65	10	1574	90	90	1200	9	1595x300x300



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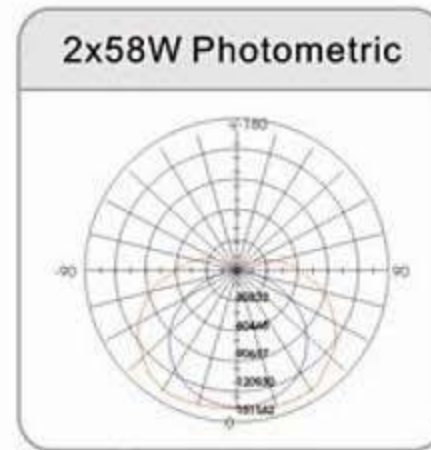
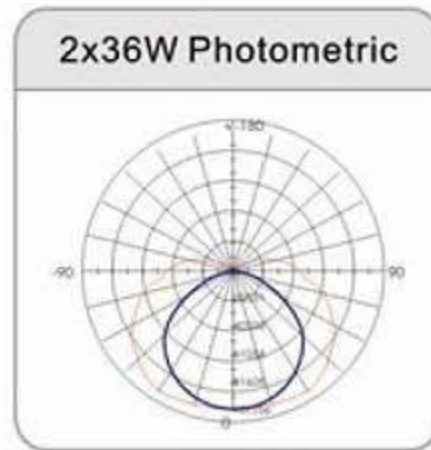
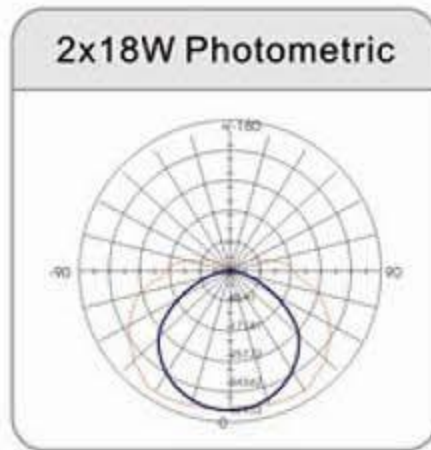
RoHS     





### T8D Double lamps

Code	Lamps	IP Rating	Clip Q'TY	Dimensions mm				Q'TY/ctn (PCS)	Packing size (mm)
				L	W	H	LF		
V3218D	2x18W T8 G13	IP65	6	664	140	90	350	9	685x450x300
V3236D	2x36W T8 G13	IP65	8	1274	140	90	900	6	1295x450x205
V3258D	2x58W T8 G13	IP65	10	1574	140	90	1200	6	1595x450x205





# T8F SERIES PROMELUX LIGHTING

## IP65 Waterproof lighting fixtures



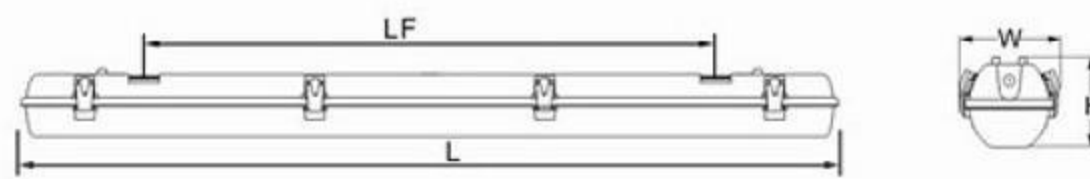
### Features:

**Body:** Injection moulded, opaque UV stabilized polycarbonate body, rectangular shape, waterproof gasket in natural silicon gel, with reinforcing ribs. Secure the gear tray by "U" shape fixed supports, with plastic gear tray holder connected to the body for easy installation and maintenance of the electrical components. Closing clips in polycarbonate or stainless steel, two clips at both ends of one side of the diffuser can have the diffuser suspended once it opened.

**Reflector :** White-coated flat metal plate,

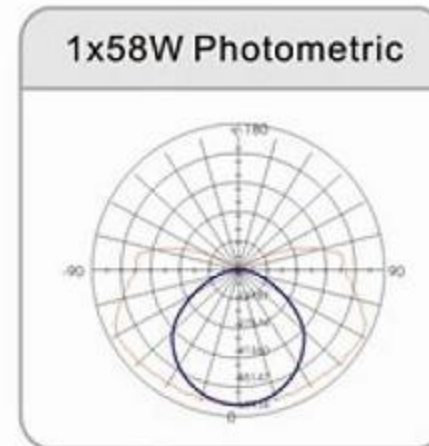
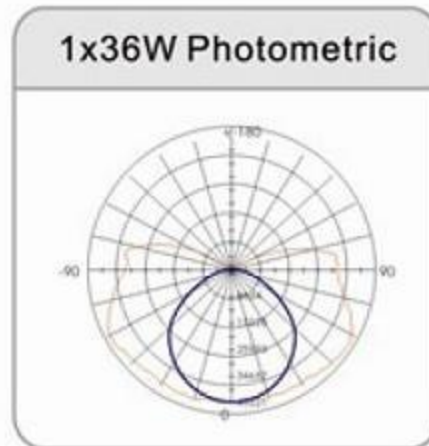
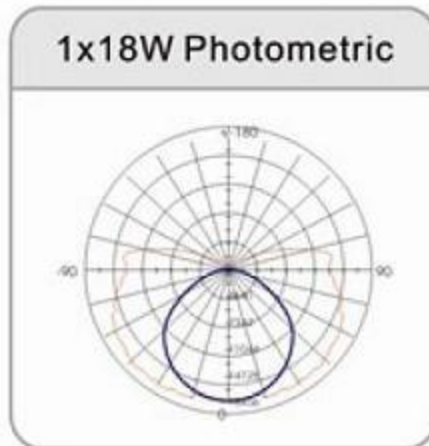
**Diffuser :** Injection moulded, transparent UV stabilized polycarbonate diffuser, highly impact resistant, It features averaged 4mm width line and stylish, fine grained frosted front planes.





### T8F single lamp

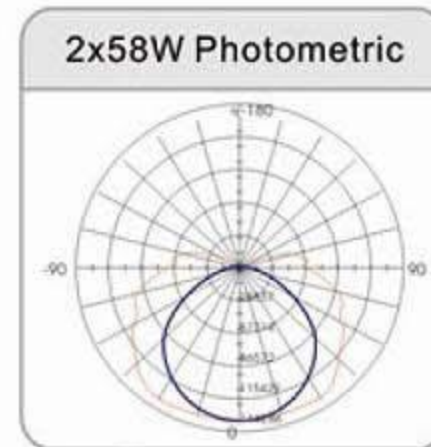
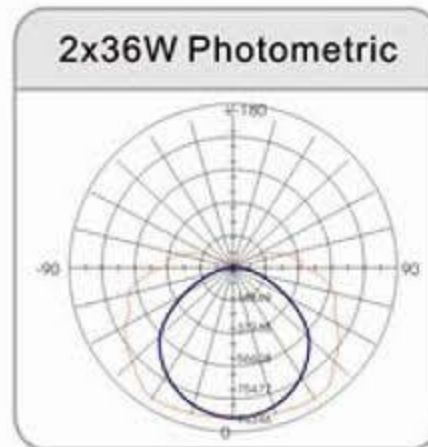
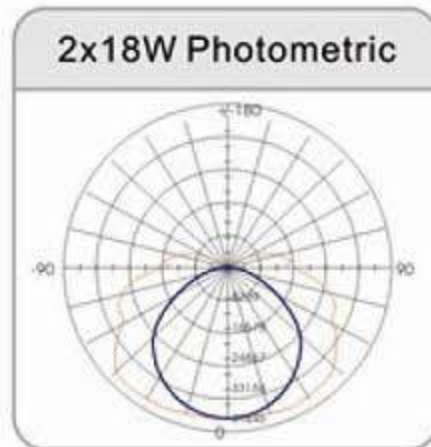
Code	Lamps	IP Rating	Clip Q'ty	Dimensions mm				Q' ty/ctn (PCS)	Packing size (mm)
				L	W	H	LF		
V3118F	1x18W T8 G13	IP65	4	670	102	110	480	12	690x323x340
V3136F	1x36W T8 G13	IP65	8	1274	102	110	890	6	1295x323x180
V3158F	1x58W T8 G13	IP65	12	1574	102	110	1000	6	1595x323x180





### T8F double lamps

Code	Lamps	IP Rating	Clip Q'ty	Dimensions mm				Q' ty/ctn (PCS)	Packing size (mm)
				L	W	H	LF		
V3218F	2x18W T8 G13	IP65	4	670	162	110	480	8	690x340x340
V3236F	2x36W T8 G13	IP65	8	1274	162	110	890	4	1295x340x180
V3258F	2x58W T8 G13	IP65	12	1574	162	110	1000	4	1595x340x180





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## T5B SERIES PROMELUX LIGHTING

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### IP65 Waterproof lighting fixtures



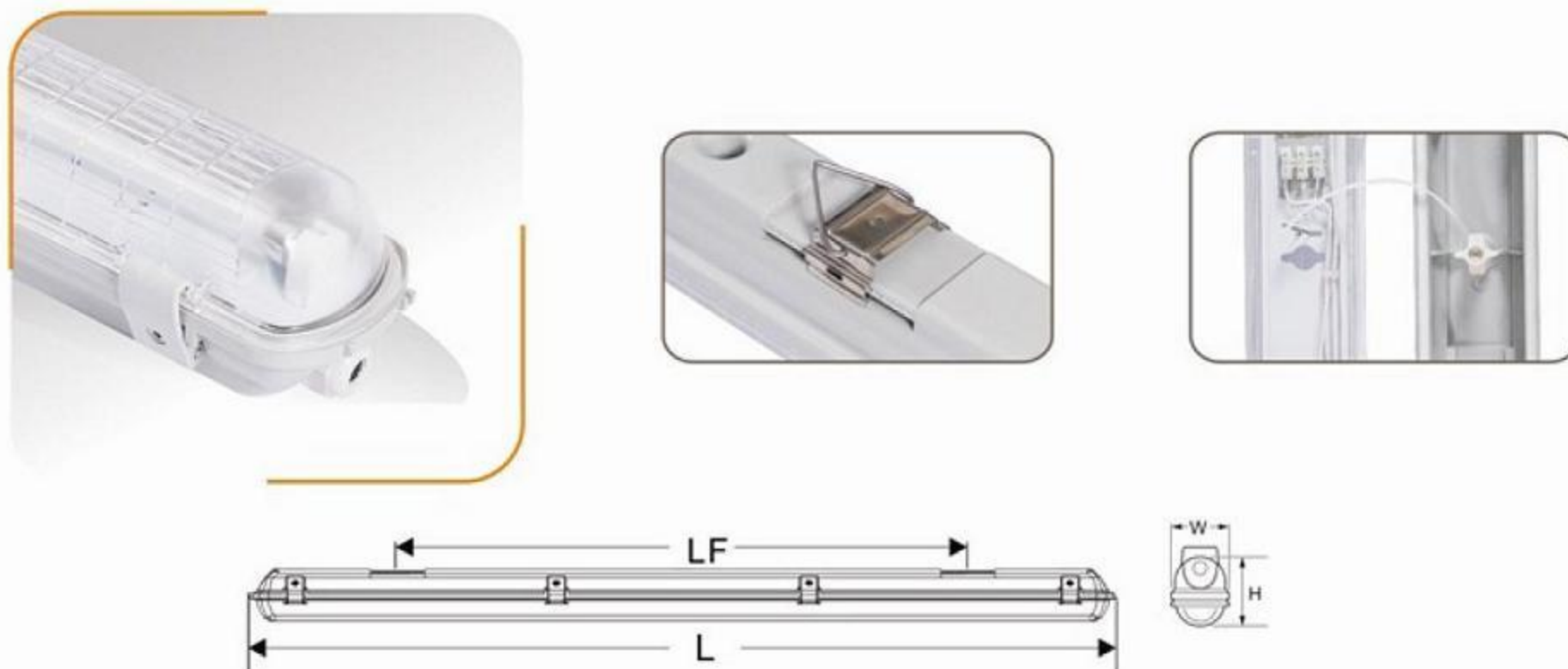
#### Features:

**Body:** Injection moulded, opaque UV stabilized polycarbonate body, waterproof gasket in natural silicon gel, Secure the gear tray by "T" shape rotated supports, with plastic gear tray holder connected to the body for easy installation and maintenance . Closing clips in polycarbonate or Stainless steel, with optional locking screws for vandal proof function. Two clips at both ends of one side of the diffuser can have the diffuser suspended once it opened.

**Reflector :** White-coated flat metal plate.

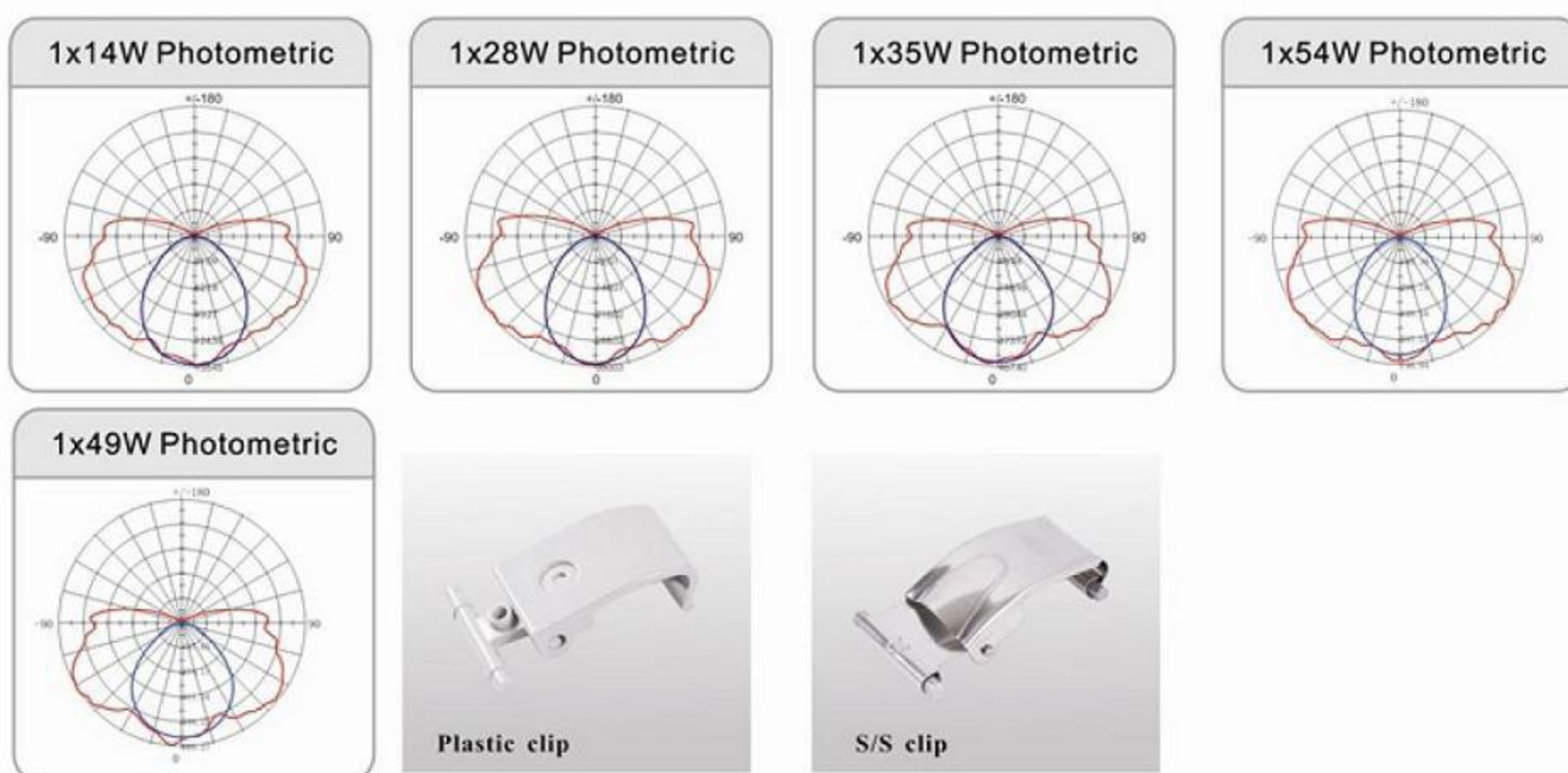
**Diffuser :** Injection moulded, transparent UV stabilized polycarbonate diffuser, highly impact resistant, It features crossing prismatic design with good anti-glare effect.

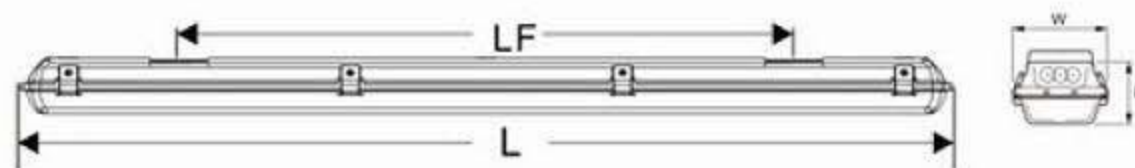
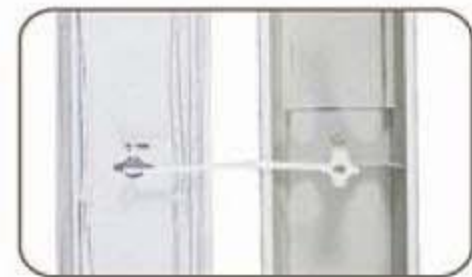




### T5B single lamp

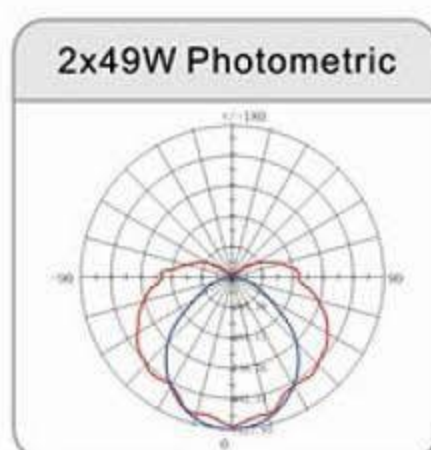
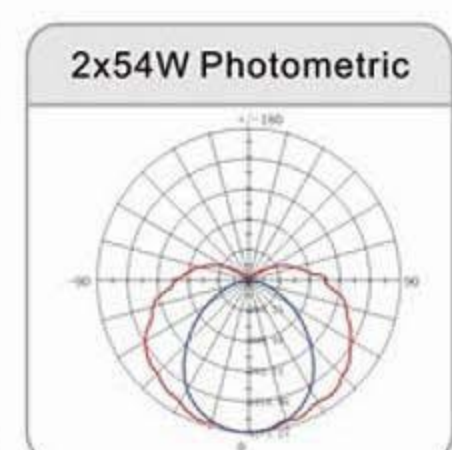
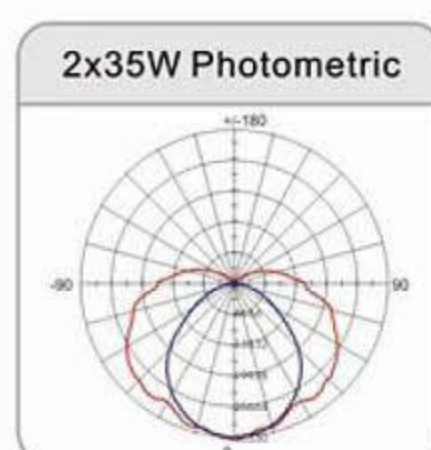
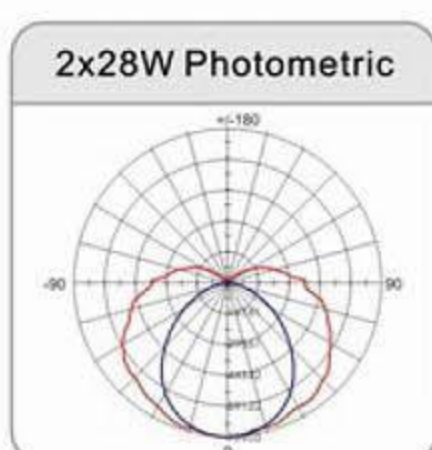
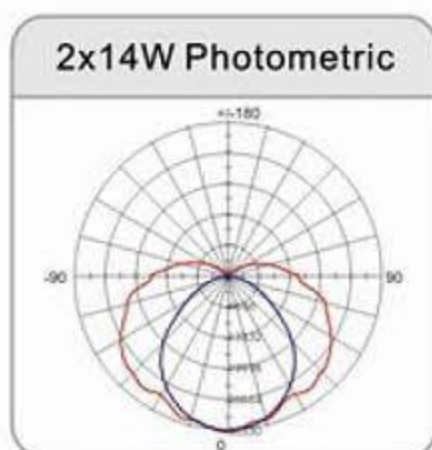
Code	Lamps	IP Rating	Clip Q'ty	Dimensions mm				Q'ty/ctn (PCS)	Packing size (mm)
				L	W	H	LF		
V5114B	1x14 T5 G13	IP65	6	618	81	74	411	12	705x340x190
V5128B	1x28 T5 G13	IP65	8	1215	81	74	800	12	1245x340x190
V5135B	1x35 T5 G13	IP65	10	1515	81	74	1000	12	1545x345x190
V5154B	1x54 T5 G13	IP65	8	1215	81	74	800	12	1245x340x190
V5149B	1x49 T5 G13	IP65	10	1515	81	74	1000	12	1545x345x190





### T5B double lamps

Code	Lamps	IP Rating	Clip Q'ty	Dimensions mm				Q' ty/ctn (PCS)	Packing size (mm)
				L	W	H	LF		
V5214B	2x14 T5 G13	IP65	6	618	116	74	411	8	645x245x245
V5228B	2x28 T5 G13	IP65	8	1215	116	74	800	8	1245x245x245
V5235B	2x35 T5 G13	IP65	10	1515	116	74	1000	8	1545x245x245
V5254B	2x54 T5 G13	IP65	8	1215	116	74	800	8	1245x245x245
V5249B	2x49 T5 G13	IP65	10	1515	116	74	1000	8	1545x245x245



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# V6 ROUND FIXTURES SERIES PROMELUX LIGHTING

## IP65 Waterproof lighting fixtures



### Features:

**Body:** Injection moulded, round shape opaque UV stabilized polycarbonate body, waterproof gasket in natural silicon gel, Secure the gear tray by "T" shape rotated supports, Closing clips in polycarbonate or stainless steel, with optional locking screws for vandal proof function.

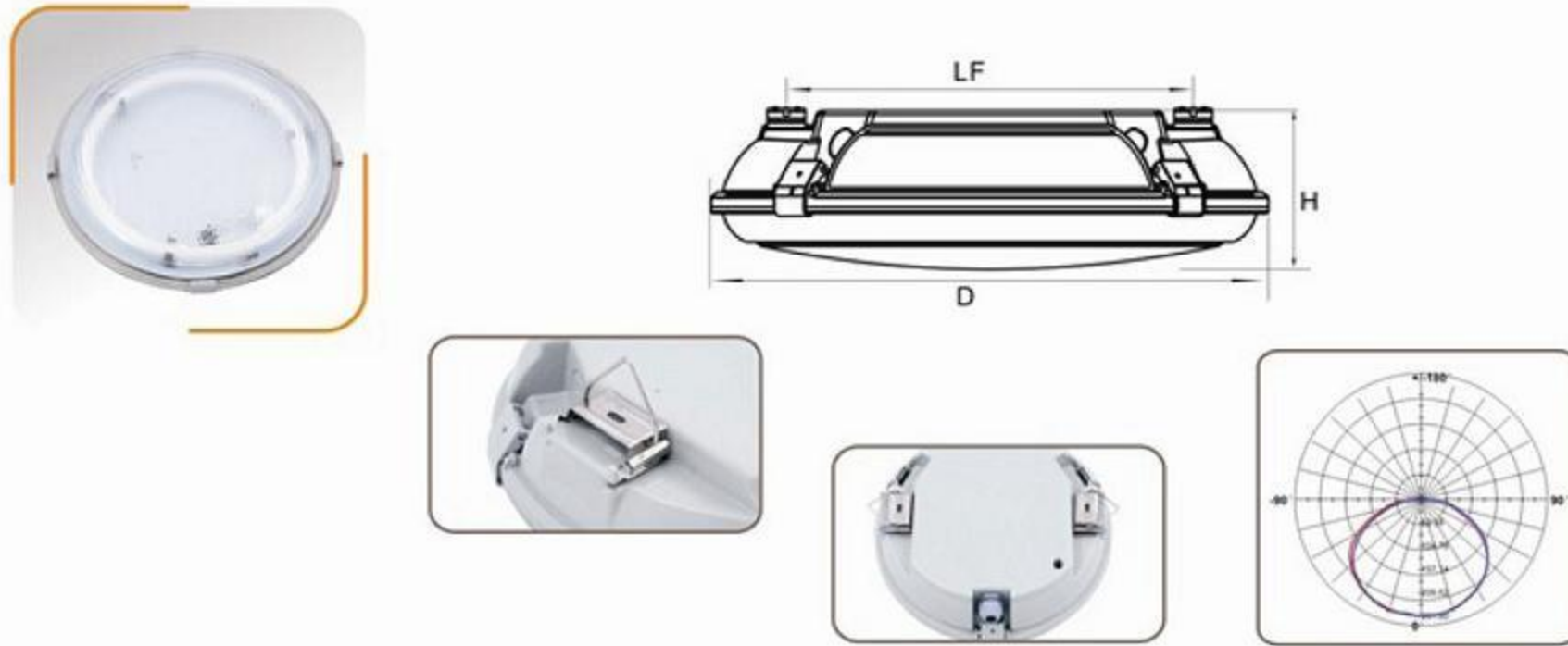
**Reflector :** White-coated round shape flat metal plate.

**Diffuser :** Injection moulded, round shape transparent UV stabilized polycarbonate diffuser, highly impact resistant, It features prismatic design with good anti-glare effect.



## T5 Circular Fluorescent tube

Code	Max.Watt/W	Lamps	Circular D	Cap	IP Rating	Clip Q'ty	Dimensions mm			Q' ty/ctn (PCS)	Packing size (mm)
							D	H	LF		
V6128A-C	1x28W	T5	240	G10q	IP65	4	305	103	203	10	1075x320x330
V6122B-C	1x22W	T5	225	2GX13	IP65	4	305	103	203	10	1075x320x330



## 2D Fluorescent tube

Code	Max.Watt/W	Lamps	2D(AXBXCmm)	Cap	IP Rating	Clip Q'ty	Dimensions mm			Q' ty/ctn (PCS)	Packing size (mm)
							D	H	LF		
V6128A-D	1x28W	2D, $\Phi=18.5$	198X200X31	GR8 GR10q	IP65	4	305	103	203	10	1075x320x330
V6138A-D	1x38W	2D, $\Phi=18.5$	198X200X31	GR10q	IP65	4	305	103	203	10	1075x320x330



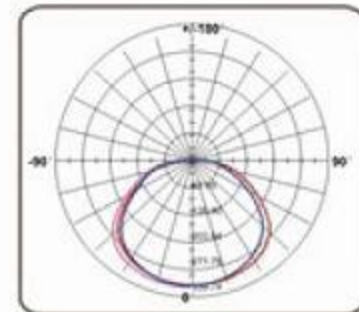
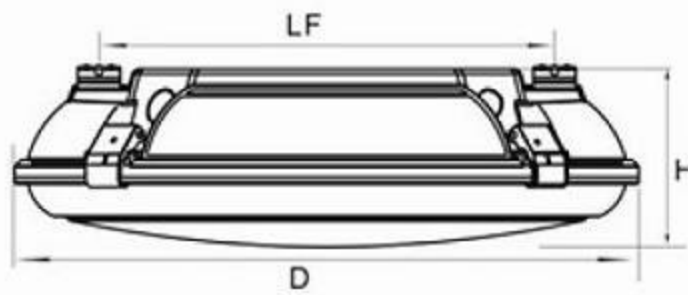
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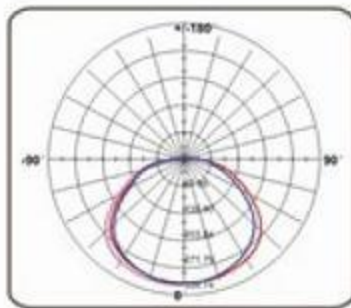
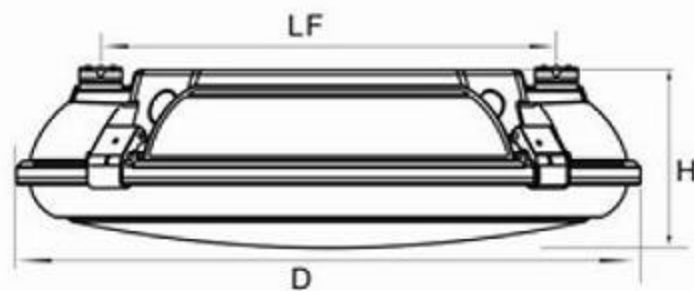
## T5 Circular Fluorescent tube

Code	Max.Watt/W	Lamps	Circular D	Cap	IP Rating	Clip Q'ty	Dimensions mm			Q' ty/ctn (PCS)	Packing size (mm)
							D	H	LF		
V6132A-C	1x32W	T5	268	G10q	IP65	4	357	100	255	10	1075x370x380
V6140A-C	1x40W	T5	292	G10q	IP65	4	357	100	255	10	1075x370x380
V6140B-C	1x40W	T5	299	2GX13	IP65	4	357	100	255	10	1075x370x380
V6155B-C	1x55W	T5	299	2GX13	IP65	4	357	100	255	10	1075x370x380



## 2D Fluorescent tube

Code	Max.Watt/W	Lamps	2D(AXBXCmm)	Cap	IP Rating	Clip Q'ty	Dimensions mm			Q' ty/ctn (PCS)	Packing size (mm)
							D	H	LF		
V6155A-D	1x55W	2D, Φ=20	250X253X33	GR10q	IP65	4	357	100	255	10	1075x370x380



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RoHS



## Symbol Information

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	VDE safety approved mark
	TUV-GS safety approved mark
	TUV safety approved mark
	TUV EMC approved mark
	TUV safety approved mark
	China Compulsory Certification
<b>CB</b>	CB Scheme is well accepted in more than 47 countries. Based on the CB-report together with the CB-Certificate
	European Community Mark CE
	EMC and Radio communications Compliance Labeling
<b>SELV-equivalent</b>	This symbol indicates that output voltage complies with the regulations governing safety Extra-low Voltage specified in EN60598-1
<b>EE1=A2</b>	Energy Efficiency Index. Energy classification for the ECG This shows the customer how energy efficient the product is. Electronic control gear normally have the best classification (A2 or A3). Dimmable ECGs have the A1 classification. Conventional control gear (CCG) falls in the C and D energy classes; low-loss control gear (LLG) generally falls in class B.
	Temperature declared thermally protected lamp control gear For example, corresponds to over temperature protection of 110°C across the whole surface of the lamp control gear. The current values for the individual types are specified on the housing.
	The device is suitable for mounting on standard flammable surfaces. Standard flammable surfaces include building materials such as wood and wood-based materials more than 2mm thick.
$t_a \dots ^\circ\text{C}$	Rated maximum ambient temperature
	Minimum distance from lighted objects (metres)



**Maximum temperatures for common materials used in luminaires**

Part	Maximum temperature °C
Thermoplastics:	
Acrylonitrile-butadiene-styrene (ABS)	95
Polymethyl methacrylate (acrylic)	90
Polystyrene	75
Polycarbonate	130
Glassfibre-reinforced polyester (GRP)	130

**Symbol**

Ordinary	IP20
Drip-proof	IPX1
Rain-proof	IPX3
Splash-proof	IPX4
Jet-proof	IPX5
Powerful water jet-proof	IPX6
Watertight (immersible)	IPX7
Pressure-watertight (submersible)	IPX8 m (followed by an indication of the maximum depth of submersion in metres)
Protected against solid objects greater than 2,5 mm	IP3X
Protected against solid objects greater than 1 mm	IP4X
Dust-proof	IP5X
Dust-tight	IP6X

# Lighting terms description

## a) Light and radiation

Light is taken to mean the electromagnetic radiation that the human eye perceives, in other words that part of the spectrum that can be seen. This is the radiation between 380 and 780nm, a tiny fraction of the known spectrum of electromagnetic radiation.

## b) Luminous flux $\Phi$

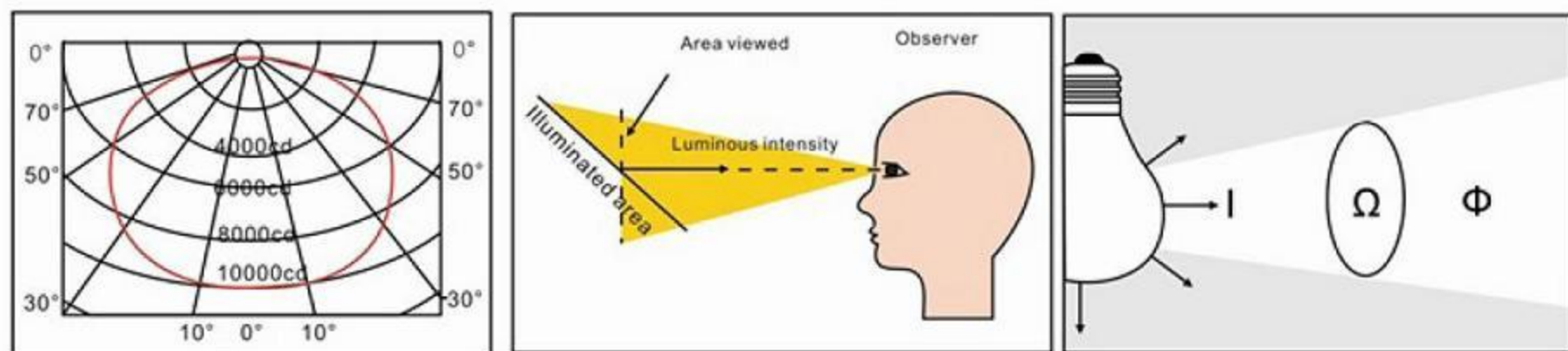
Unit of measurement: lumen [lm].

All the visible radiated power emitted by a light source and perceived by the eye is called luminous flux  $\Phi$ .

## c) Luminous intensity

Unit of measurement: candela [cd].

Generally speaking, a light source emits its luminous flux in different directions and at different intensities. The visible radiant intensity in a particular direction is called luminous intensity.



## d) Illuminance $E$

Unit of measurement: lux [lx].

Illuminance  $E$  is the ratio between the luminous flux and the illuminated area.

An illuminance of 1 lx occurs when a luminous flux of 1 lm is evenly distributed over an area of 1 square metre.

## e) Luminance $L$

Unit of measurement: candelas per square metre [cd/m<sup>2</sup>].

The luminance  $L$  of a light source or an illuminated area is a measure of its luminous intensity per unit area of illuminated surface.

## f) Colour temperature

Unit of measurement: Kelvin [K].

The colour temperature of a light source is defined in comparison with a "black body radiator" and plotted on what is known as the "planckian curve". The higher the temperature of this "blackbody radiator" the greater the blue component in the spectrum and the smaller the red component.

An incandescent lamp with a warm white light, for example, has a colour temperature of 2700K, whereas a daylight fluorescent lamp has a colour temperature of 6000K.