



## APPLICATIONS

- Roadway lighting  
(Urban roads, residential areas, overpasses...)
- Public areas lighting  
(Theme parks, squares, parking lots...)

## SPECIFICATION

<b>Input Voltage:</b>	100 ~ 277Vac
<b>Input Frequency:</b>	50 / 60Hz
<b>Power Factor:</b>	0.95
<b>Surge Protection Level:</b>	10kV line-earth
<b>Working Environment:</b>	-40°C~ +50°C, 10% ~ 90% RH
<b>CCT:</b>	3000K-5700K
<b>CRI:</b>	≥70
<b>Housing</b>	Die-cast Aluminum
<b>IP Rating of LED Light Engine</b>	IP68
<b>IP Rating of Luminaire</b>	IP67
<b>Warranty</b>	5 Years Limited

## FEATURES

### Construction

- Die-cast aluminum housing.
- Unique patented IP68 (higher protection level) LED light engines.
- Whole structure heating dissipation design with best thermal conduction and radiation.
- IP67 rated luminaire

### Distribution

- Ergonomic and dedicated lighting distributors are available for various roadways applications.

## PHOTOS



## FINISHING COLORS

	Gray		Black
	White		Blue

### ORDERING INFORMATION

Example: T1B-2-100-M16B-VBA-18-2105-7040-CM-MO-GY

Luminary Type		Module Qty.		System Power		Module Type		Module Interface Type		LED Package		Cable Standard		LED Qty. per module			
T	Street light	1	1 modules	40	40W		M16B	M16B module		V	A	3535	A C H X	CCC+VDE	18	18pcs	
1B	1B series	2	2 modules	50	50W		M1A	M1A module		V-shaped groove	B	5050		PSE	28	28pcs	
				...			M8B	M8B module			C	3030		UL	63	63pcs	
				120	120W									OTHER			
Lens Code						CRI & CCT				Brand of LEDs		Driver Brand		Housing Colors			
1107 Type I Short 2105 Type II Short 2128 Type II Short 2111 Type II Medium 3106 Type II Short 1113 Type III Short 2109 Type III Medium 2127 Type III Medium 2040 Type V 2114 Type V		3501 Type I Short 3100 I Short 1312 II Short 3702 II Medium 3910 III Medium 5703 IV Medium 3040 V Square		Type I Short Type I Short Type II Short Type II Short Type II Short Type II Short Type III Medium		5323 Type I Short 1324 Type II Short 2201 Type II Short 2321 Type II Short 5321 Type II Short 1321 Type III Medium		7030 7040 7050 7057		Ra≥70, 3000K Ra≥70, 4000K Ra≥70, 5000K Ra≥70, 5700K		LU LUMILEDS LN LUMINUS CM CUSTOMIZATION XX OTHER		IN INVENTRONICS MO MOSO XX OTHER		BK Black WH White BU Blue GY Gray	
M16B, 5050 LEDs		M1A, 3535 LEDs		M8B, 3030 LEDs													

### PERFORMANCE

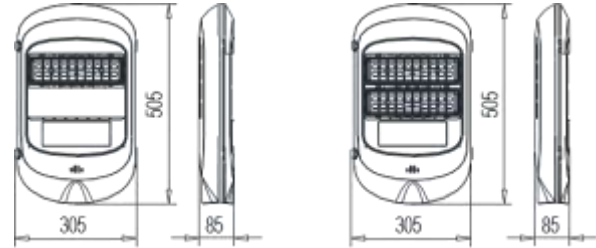
Model	Power (W)	5050 LEDs – 28pcs		5050 LEDs – 18pcs		3535 LEDs – 18pcs		3030 LEDs - 63pcs	
		Efficacy (lm/W)	Lumens (lm)	Efficacy (lm/W)	Lumens (lm)	Efficacy (lm/W)	Lumens (lm)	Efficacy (lm/W)	Lumens (lm)
T1B-1	40	168	6,720	152	6,080	130	5,200	135	5,400
	50	163	8,150	145	7,250	122	6,100	130	6,500
	60	155	9,300	133	7,980	117	7,020	122	7,320
T1B-2	80	175	14,000	160	12,800	137	10,960	140	11,200
	100	170	17,000	150	15,000	130	13,000	135	13,500
	120	163	19,560	140	16,800	122	14,640	127	15,240

**Note:** Above values are calculated based on the product with CCT over 3000K, values of 3000K are 5% lower than above values.

\*Values shown are subject to ±5%~±8% tolerance.

### PRODUCT DIMENSIONS

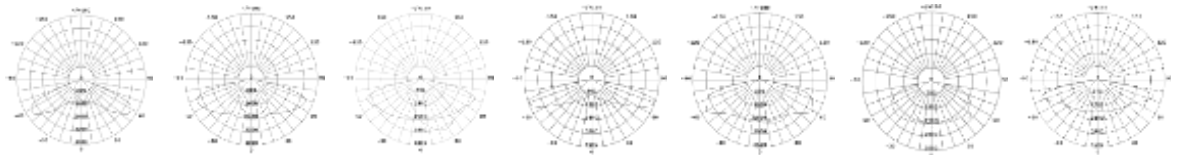
Model	L (mm)	W (mm)	H (mm)	ΦD (mm)	Max. Installation Depth (mm)	N.W.* (kg)
T1B-1	505	305	85	Φ57~63	120	4.0
T1B-2	505	305	85	Φ57~63	120	4.9



Notes: 1. Values shown are subject to  $\pm 5\%$  tolerance.

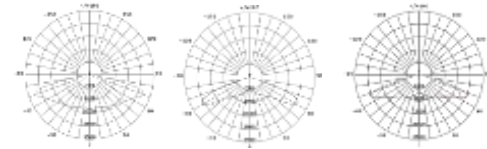
### TYPICAL DISTRIBUTIONS

M16B  
5050 LEDs

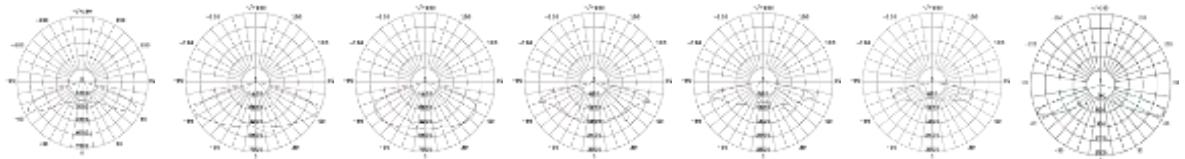


T1S1107 T2S2105 T2S2128 T2M2111 T2S3106 T3S1113 T3M2109

M1A  
3535 LEDs

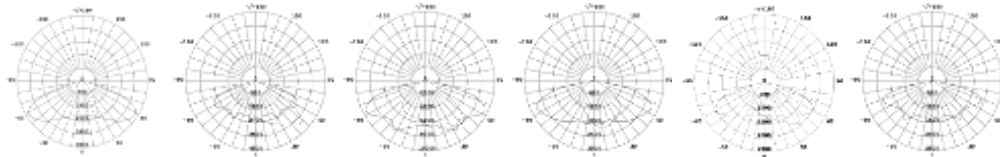


T3M2127 T5S2040 T5S2114



T1S3501 T1S3100 T2S1312 T2M3702 T3M3910 T4M5703 T5S3040

M8B  
3030 LEDs



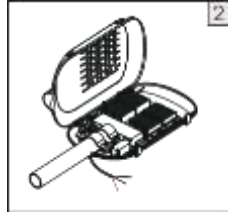
T1S5323 T2S1324 T2S2201 T2S2321 T2S5321 T3M1321

## INSTALLATION AND MAINTENANCE

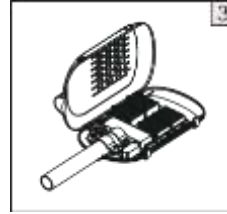
### INSTALLATION



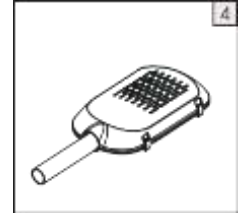
1. Undo the two buckles to open the cover.



2. Connect the wires to AC input. Make sure it sufficiently grounded.

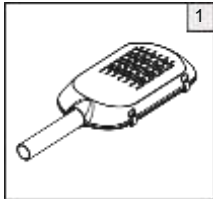


3. Loosen the four screws on the arched clamps to let pole arm stick in, then fixate it by tightening up the screws.

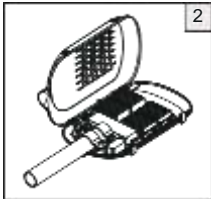


4. Close the cover and lock up the buckles.

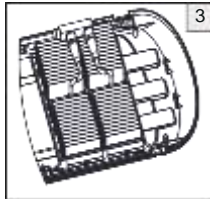
### MAINTENANCE



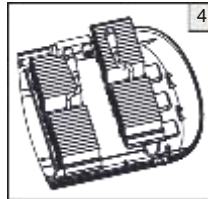
1. Undo the two buckles to open the cover.



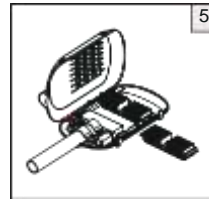
2. Undo the two M4x10 screws on the ends of the failed module.



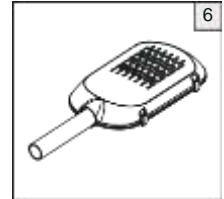
3. Disconnect the module from cable connector.



4. Replace with a new module.



5. Tighten up the cable connector and the screws.



6. Close the cover and lock up the buckles.

### CABLE CONNECTION



1. Connect the male and female connectors by aligning the indicative arrow on them.



2. Hold the nut on one terminal still, meanwhile, rotating clockwise till the one on the other terminals is tightened up. Otherwise the waterproof performance might be affected.

### WIRING

Power Supply End	Earth wire	Neutral wire	Live wire
Fixture End	Yellow-green lead	Blue lead	Brown lead
	Green lead	White lead	Black lead

### CAUTION

Disconnect or turn off power before installation, maintenance and wiring.  
Cable connection must be insulated and waterproof.

For luminaires with glass cover: the cover is made of tempered glass which shatters into small pieces without sharp edges when it breaks. Application condition: -30°C~100°C; maximum temperature rise  $\Delta t 60^{\circ}\text{C}$ .

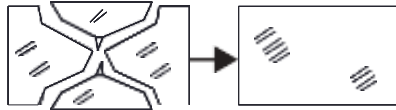
The light source of this luminaire is not replaceable. When the light source's lifetime comes to an end, it is the whole luminaire that should be replaced.

## INSTALLATION AND MAINTENANCE

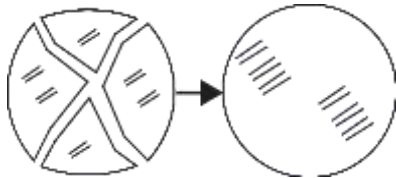
Warning: Danger! Electric shock risk!

(via IEC 60417-6042 (2011-11) )

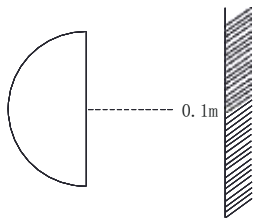
For luminaires with glass cover: The broken cover should be replaced. Rectangle



Round



Minimum distance from the light source to the illuminated object: 0.1m.



The luminaire shall be installed by a qualified electrician and wired in accordance with the latest IEE electrical regulations or the national requirements.



This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling

## REMARKS:

- 1.This luminaire uses permanent connection on power supply with flexible cable and wires (60245 IEC57). Sufficient length of cable is reserved for connection to AC power. Protection over the connection joint and elimination of tensile force there should be ensured. efficient.
- 2.This luminaire uses type Z attachment: the external flexible cable or cord of this luminaire cannot be replaced; if the cord is damaged, the luminaire shall be destroyed.
- 3.Wiring: the connection to AC power should be operated on terminal blocks in a wiring box with a degree of protection at least equivalent to the luminaire, and there should be devices to fixate wires.
- 4.The luminaire can be mounted onto ordinary combustible surfaces.