

# T1B

## LED Street Light



### Specifications

<b>Input Voltage:</b>	100 ~ 240Vac
<b>Input Frequency:</b>	50/60Hz
<b>Power Factor (PF):</b>	0.95
<b>Surge Protection Level:</b>	10kV line-earth
<b>Operating Environment:</b>	-40°C ~ +50°C, 10% ~ 90% RH
<b>Color Temperature (CCT):</b>	3000K, 4000K, 5000K, 5700K
<b>Color Rendering Index (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

### Applications

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

### Features

#### Construction

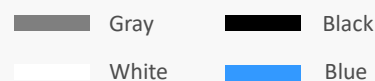
- Die-cast aluminum housing.
- Unique patented IP68 (highest protection level) LED light engines.
- Whole structure heating dissipation design with best thermal conduction and radiation.

- IP67 rated luminaire.

#### Distribution

- Ergonomic and dedicated lighting distributions are available for various roadway applications.

### Finishing Colors



# T1B

LED Street Light

## Ordering Information

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

Luminaire Type	Module Qty.	System Power	Module Type	Module Interface Type	LED Package	Cable Standard	LED Qty. per module
<b>T</b> Street light	<b>1</b> 1 modules	<b>40</b> 40W	<b>M16B</b> M16B module	<b>V</b>	<b>A</b> 3535	<b>A</b> CCC+VDE	<b>18</b> 18pcs
<b>1B</b> 1B series	<b>2</b> 2 modules	<b>50</b> 50W	<b>M1A</b> M1A module	V-shaped groove	<b>B</b> 5050	<b>C</b> PSE	<b>28</b> 28pcs
		...	<b>M8B</b> M8B module		<b>C</b> 3030	<b>H</b> UL	<b>63</b> 63pcs
		<b>120</b> 120W				<b>X</b> OTHER	

Lens Code	CRI & CCT	Brand of LEDs	Driver Brand	Housing Colors
<b>1107</b> Type I Short	<b>3501</b> Type I Short	<b>5323</b> Type I Short	<b>7030</b> Ra≥70, 3000K	<b>LU</b> LUMILEDS
<b>2105</b> Type II Short	<b>3100</b> Type I Short	<b>1324</b> Type II Short	<b>7040</b> Ra≥70, 4000K	<b>LN</b> LUMINUS
<b>2128</b> Type II Short	<b>1312</b> Type II Short	<b>2201</b> Type II Short	<b>7050</b> Ra≥70, 5000K	<b>CM</b> CUSTOMIZATION
<b>2111</b> Type II Medium	<b>3702</b> Type II Medium	<b>2321</b> Type II Short	<b>7057</b> Ra≥70, 5700K	<b>XX</b> OTHER
<b>3106</b> Type II Short	<b>3910</b> Type III Medium	<b>5321</b> Type II Short		
<b>1113</b> Type III Short	<b>5703</b> Type IV Medium	<b>1321</b> Type III Medium		
<b>2109</b> Type III Medium	<b>3040</b> Type V Square			
<b>2127</b> Type III Medium				
<b>2040</b> Type V				
<b>2114</b> Type V				
<b>M16B, 5050 LEDs</b>	<b>M1A, 3535 LEDs</b>	<b>M8B, 3030 LEDs</b>		

## 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

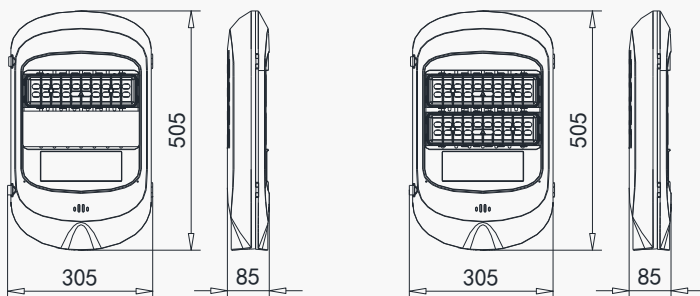
\*Above values are calculated based on the product with CCT over 3000K, values of 3000K are 5% lower than above values.

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

## 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

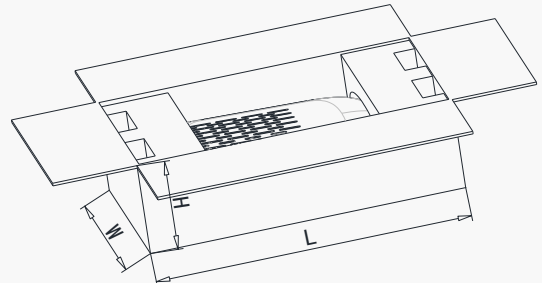
\* Values shown are subject to ±5% tolerance.



## Package Information

Model	L (mm)	W (mm)	H (mm)	G.W.* (kg)
T1B-1	595	380	175	5.1
T1B-2	595	380	175	6.0

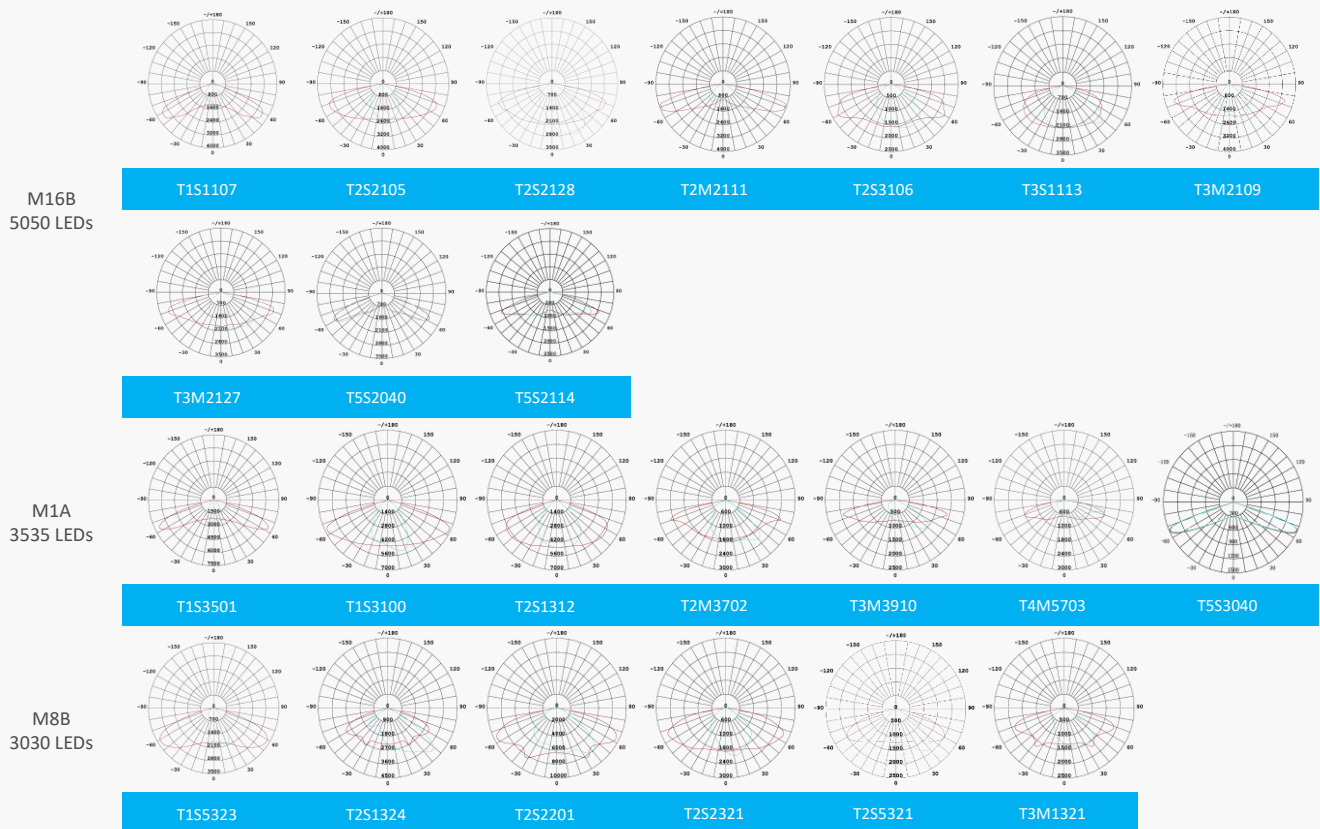
\* Values shown are subject to ±5% tolerance.



# T1B

LED Street Light

## Distributions



## Accessories



Model	Available Adapter	Available Pole O.D.	Available Installation Depth
T1B-1	PA2A	Φ57~63	≥80
T1B-2	PA2A	Φ57~63	≥80

## Version History

Change Date	Version	Item	Description of Change	
			From	To
2019/05/22	Ver. 2.0	Datasheets release		