HPWINNER

T32C Series LED Street Light

Applications

- Roadway lighting
  (Urban road, street, expressway...)
- Area lighting
  (City hall square, business district, Parking lot...)

Standard Colors

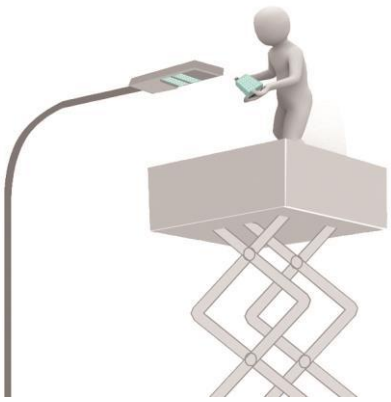
White

Black

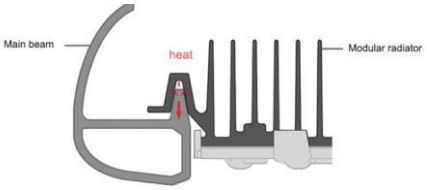
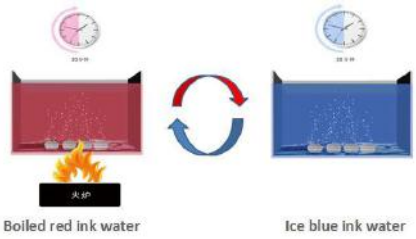
Gray

Features

- Modular pluggable technology, easy tool onsite maintenance;
- All metal structure, standalone chambers for light source and driver;
- Optional installation can be installed horizontally or vertically, adjustable by ±15° in both directions;
- Double-coupling IP68 protection, highest waterproof level;
- Optional photocell;
- Ergonomic lighting distribution to achieve uniform illuminating effect;
- Free modular serialization and full power range solution.



HPWINNER's Technical Advantage

		
Air Convection Effect	Whole-structure Heat Dissipation	Tool-less Maintenance
		
Double-coupling IP68 Protection	High-efficacy LED Light Source	Flexible Combinations of Modules

Electrical & Photometric

- Adopt Lumileds LEDs

Model	Input Voltage (V) Frequency Range (Hz)	Drive Current (mA)	Power (w)	M1A		M8B		Power Factor	Power Efficiency	LED Brand	CCT (k)	CRI
				Luminous Efficacy (lm/w)	Lumens (lm)	Luminous Efficacy (lm/w)	Lumens (lm)					
T32C-1	AC100-240 50/60	700	40	105±5	4200±200	110±5	4400±200	0.95	88%	Lumileds	3000 4000 5000 5700	≥70
		860	50	100±5	5000±250	105±5	5250±250					
		1050	60	95±5	5700±300	100±5	6000±300					
T32C-2	AC100-240 50/60	700	80	110±5	8800±400	115±5	9200±400	0.95	91%			
		860	100	105±5	10500±500	110±5	11000±500					
		1050	120	100±5	12000±600	105±5	12600±600					
T32C-3	AC100-240 50/60	700	120	110±5	13200±600	115±5	13800±600	0.95	91%			
		860	150	105±5	15750±750	110±5	16500±750					
		1050	180	100±5	18000±900	105±5	18900±900					
T32C-4	AC100-240 50/60	700	160	110±5	17600±800	115±5	18400±800	0.95	91%			
		860	200	105±5	21000±1000	110±5	22000±1000					
		1050	240	100±5	24000±1200	105±5	25200±1200					
T32C-5	AC100-240 50/60	700	200	110±5	22000±1000	115±5	23000±1000	0.95	91%			
		860	250	105±5	26250±1250	110±5	27500±1250					
		1050	300	100±5	30000±1500	105±5	31500±1500					
T32C-6	AC100-240 50/60	700	240	110±5	26400±1200	115±5	27600±1200	0.95	91%			
		860	300	105±5	31500±1500	110±5	33000±1500					
		1050	360	100±5	36000±1800	105±5	37800±1800					
T32C-7	AC100-240 50/60	700	280	110±5	30800±1400	115±5	32200±1400	0.95	91%			
		860	350	105±5	36750±1750	110±5	38500±1750					
		1050	420	100±5	42000±2100	105±5	44100±2100					

- For M1A module,Luminous Efficacy of 3000K is 5% lower than other CCTs.

- Adopt Customized Chips from World-leading Supplier

Model	Input Voltage (V) Frequency Range (Hz)	Drive Current(mA)	Power (w)	M16		Power Factor	Power Efficiency	LED Brand	CCT (k)	CRI
				Luminous Efficacy(lm/w)	Lumens(lm)					
T32C-1	AC100-240 50/60	600(9P2S)	30	150±8	4500±240	0.95	88%	Customized Chips from World-leading Supplier	3000 4000 5000 5700	≥70
		600(14P2S)	30	158±8	4740±240					
		800(9P2S)	40	145±8	5800±320					
		800(14P2S)	40	153±8	6120±320					
		1000(9P2S)	50	138±8	6900±400					
		1000(14P2S)	50	147±8	7350±400					
		1200(9P2S)	60	130±8	7800±480					
		1200(14P2S)	60	140±8	8400±480					

Electrical & Photometric

- Adopt Customized Chips from World-leading Supplier

Model	Input Voltage (V) Frequency Range (Hz)	Drive Current(mA)	Power (w)	M16		Power Factor	Power Efficiency	LED Brand	CCT (k)	CRI
				Luminous Efficacy(lm/w)	Lumens(lm)					
T32C-2	AC100-240 50/60	800(9P2S)	80	150±8	12000±640	0.95	91%	Customized Chips from World-leading Supplier	3000 4000 5000 5700	≥70
		800(14P2S)	80	158±8	12640±640					
		1000(9P2S)	100	143±8	14300±800					
		1000(14P2S)	100	152±8	15200±800					
		1200(9P2S)	120	135±8	16200±960					
		1200(14P2S)	120	145±8	17400±960					
T32C-3	AC100-240 50/60	800(9P2S)	120	150±8	18000±960	0.95	91%			
		800(14P2S)	120	158±8	18960±960					
		1000(9P2S)	150	143±8	21450±1200					
		1000(14P2S)	150	152±8	22800±1200					
		1200(9P2S)	180	135±8	24300±1440					
		1200(14P2S)	180	145±8	26100±1440					
T32C-4	AC100-240 50/60	800(9P2S)	160	150±8	24000±1280	0.95	91%			
		800(14P2S)	160	158±8	25280±1280					
		1000(9P2S)	200	143±8	28600±1600					
		1000(14P2S)	200	152±8	30400±1600					
		1200(9P2S)	240	135±8	32400±1920					
		1200(14P2S)	240	145±8	34800±1920					
T32C-5	AC100-240 50/60	800(9P2S)	200	150±8	30000±1600	0.95	91%			
		800(14P2S)	200	158±8	31600±1600					
		1000(9P2S)	250	143±8	35750±2000					
		1000(14P2S)	250	152±8	38000±2000					
		1200(9P2S)	300	135±8	40500±2400					
		1200(14P2S)	300	145±8	43500±2400					
T32C-6	AC100-240 50/60	800(9P2S)	240	150±8	36000±1920	0.95	91%			
		800(14P2S)	240	158±8	37920±1920					
		1000(9P2S)	300	143±8	42900±2400					
		1000(14P2S)	300	152±8	45600±2400					
		1200(9P2S)	360	135±8	48600±2880					
		1200(14P2S)	360	145±8	52200±2880					
T32C-7	AC100-240 50/60	800(9P2S)	280	150±8	42000±2240	0.95	91%			
		800(14P2S)	280	158±8	44240±2240					
		1000(9P2S)	350	143±8	50050±2800					
		1000(14P2S)	350	152±8	53200±2800					
		1200(9P2S)	420	135±8	56700±3360					
		1200(14P2S)	420	145±8	60900±3360					

Working environment & Packing

Model	Working Environment	Storage Temperature	IP Rating	Surge Protection	LED Life Span (h)	Housing Material	Pole Diameter (mm)	Product Dimensions (mm)	Carton Size (mm)	N.W (kg)	G.W (kg)
T32C-1	-40℃ ~+50℃, 10%~90%RH.	-40℃~+50℃	Whole Fixture IP66	≥10	>50,000	Metal	60-76	655*365*160	720*470*225	6.9	7.4
T32C-2								735*365*160	800*470*225	8.0	8.6
T32C-3								815*365*160	880*470*225	8.9	9.7
T32C-4								895*365*160	960*470*225	10.2	11.2
T32C-5								975*365*160	1040*470*225	11.5	12.7
T32C-6								1055*365*160	1120*470*225	13.2	14.7
T32C-7								1135*365*160	1200*470*225	14.5	16.3

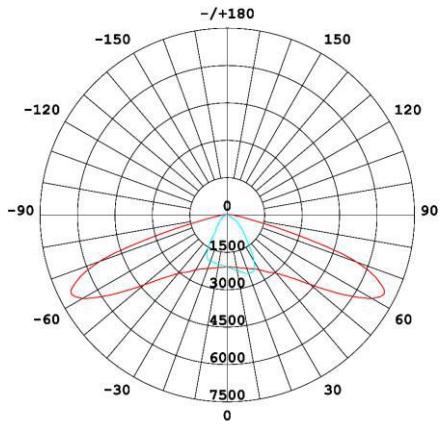
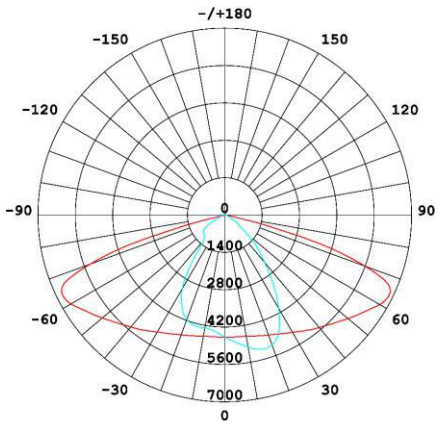
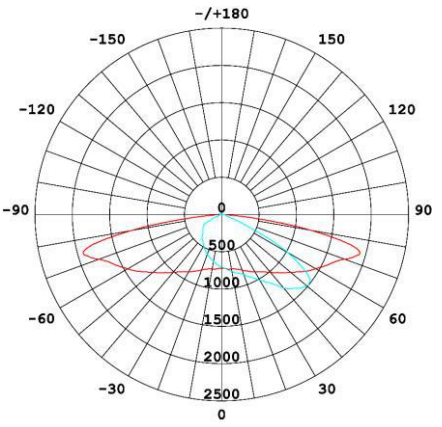
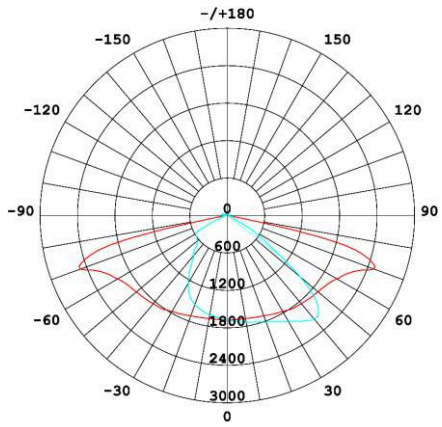
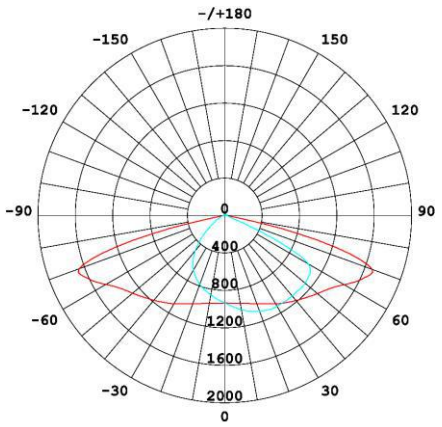
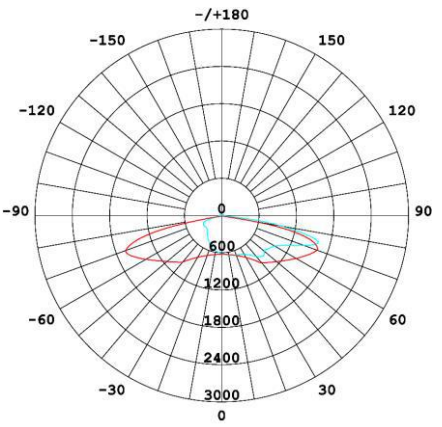
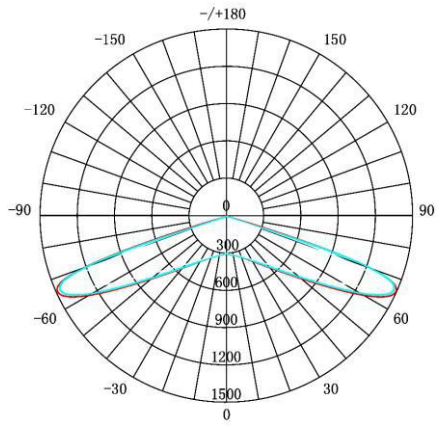
Note: Above data of weight are all typical values.

Warranty

5-year limited warranty is standard on luminaire and components.

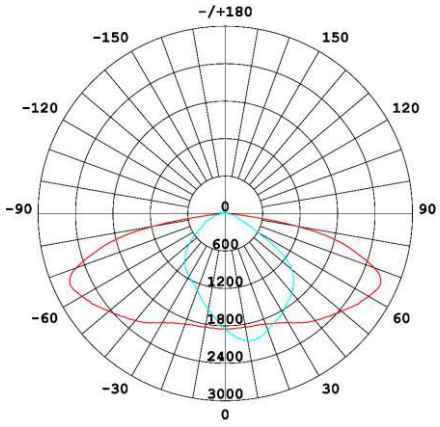
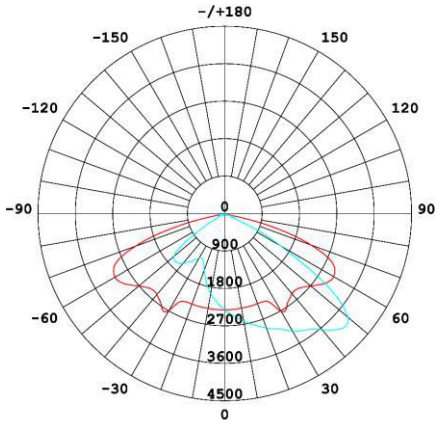
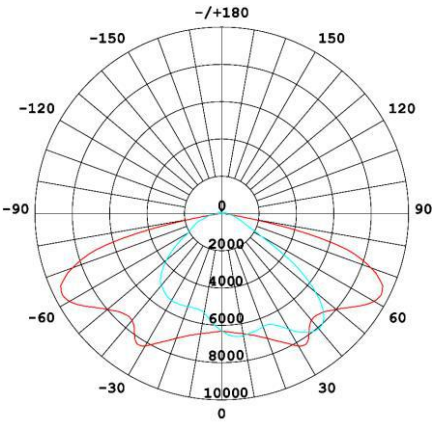
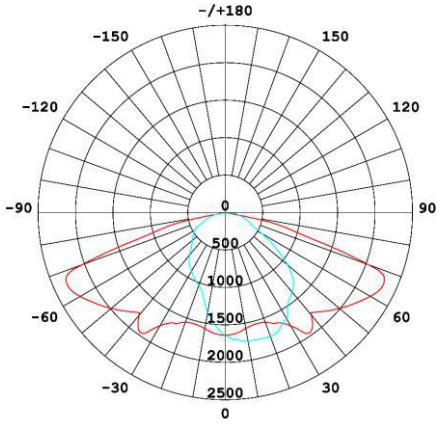
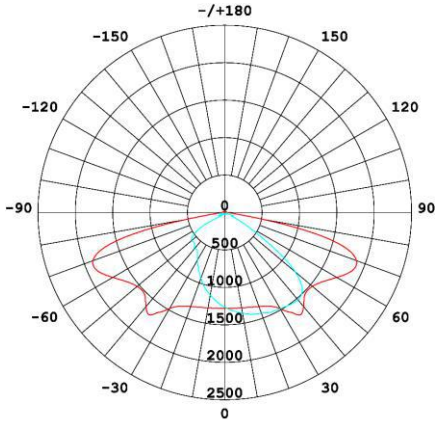
Light Distributions

★M1A LED module

T1S3501	T1S3100	T3M3910
IESNA Type I Short	IESNA Type I Short	IESNA Type III Medium
		
T2M3702	**T3M2701**	**T4M5703**
IESNA Type II Medium	IESNA Type III Medium	IESNA Type IV Short
		
T5S3040		
IESNA Type VS Short		
		

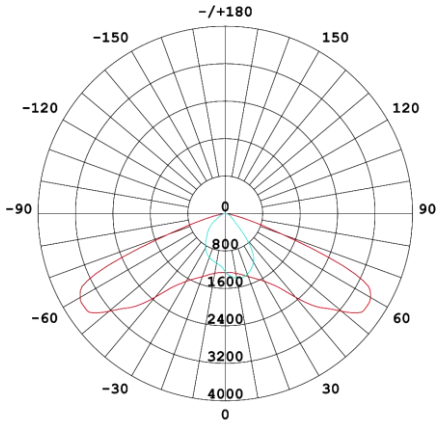
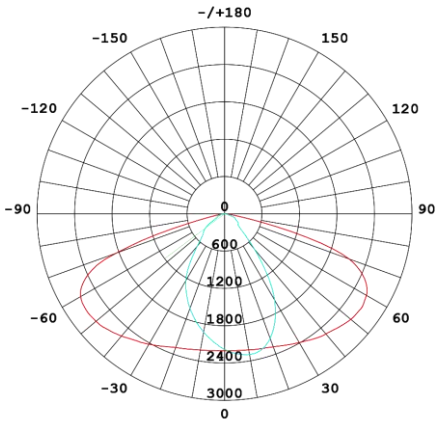
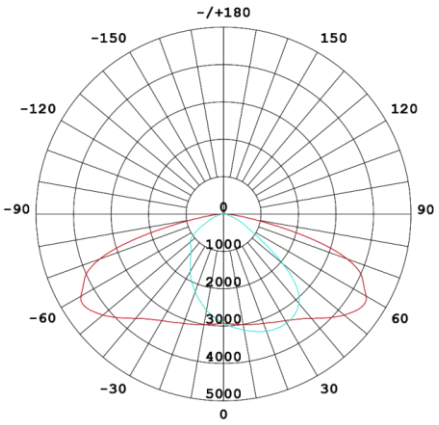
Light Distributions

★M8B LED module

T2S2321	T2S1324	T2S2201
IESNA Type II Short	IESNA Type II Short	IESNA Type II Short
		
T2S2322	T3M1321	
IESNA Type II Short	IESNA Type III Medium	
		

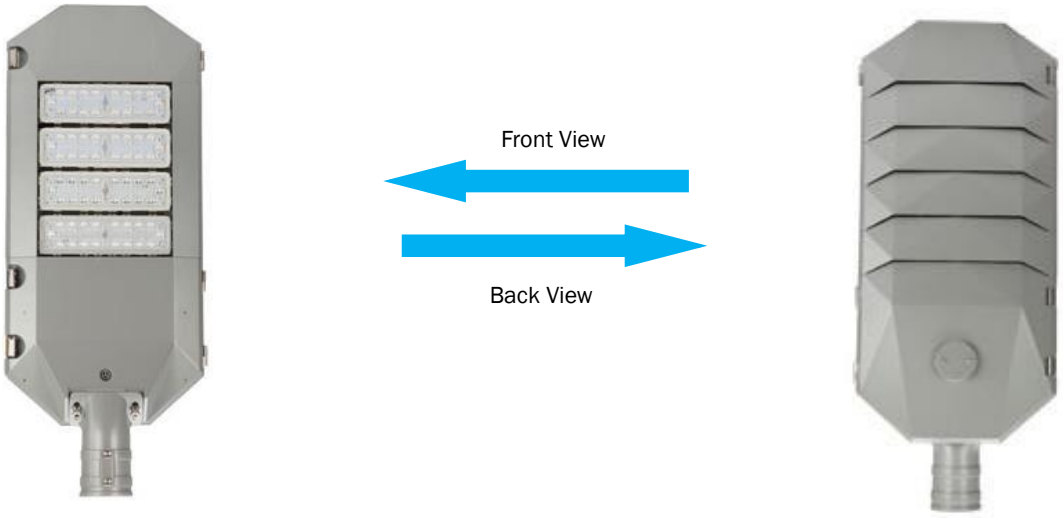
Light Distributions

★M16B LED module

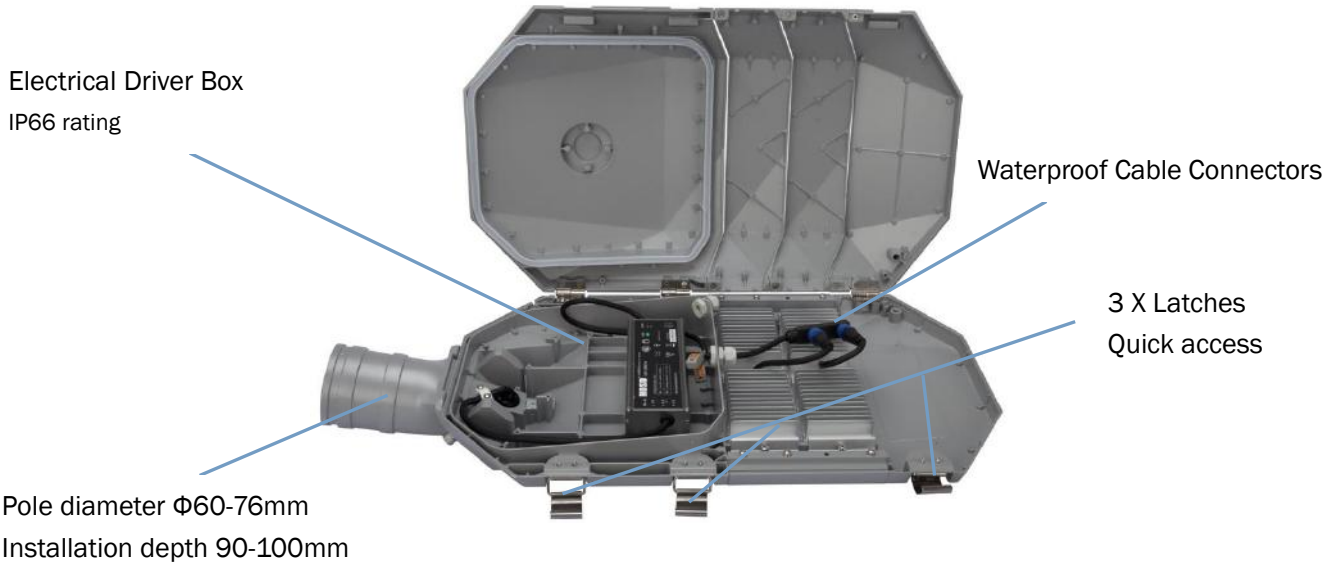
T1S1107	T1S3105	T2S3106
IESNA Type I Short	IESNA Type I Short	IESNA Type II Short
		

Design Features

- External Design Features



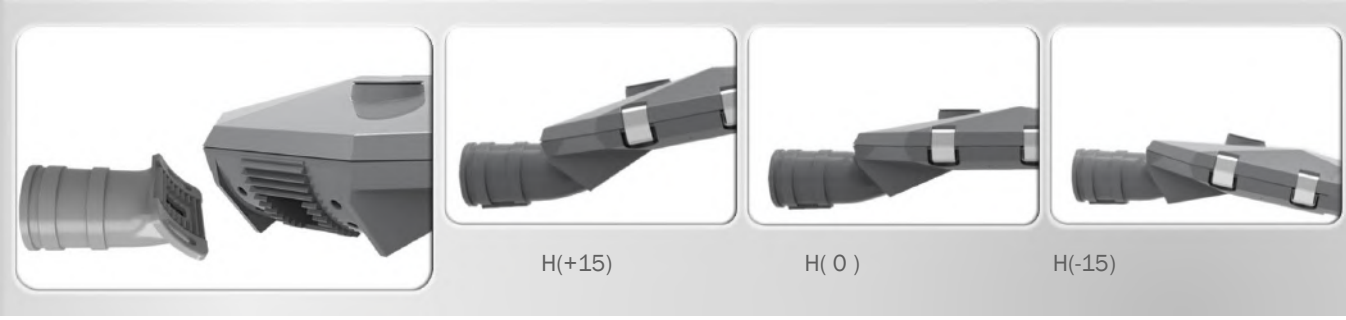
- Internal Design Features



Installation Design Features

	
Horizontal Installation	Vertical Installation

- Horizontal Installation



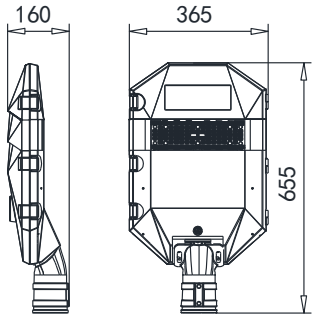
- Vertical Installation

- Adjustable tilt adaptor

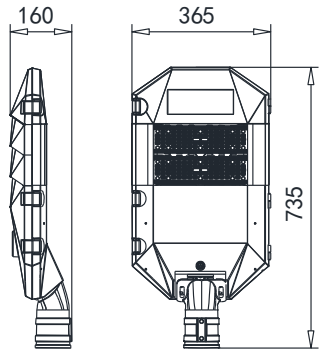
  Adjustable by ±15° (5° for each adjustment)

Dimensions

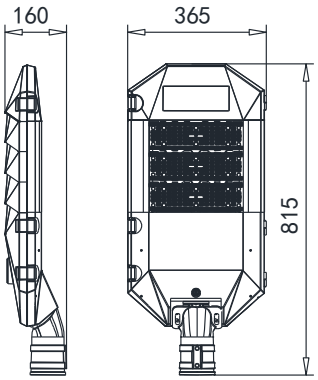
T32C-1



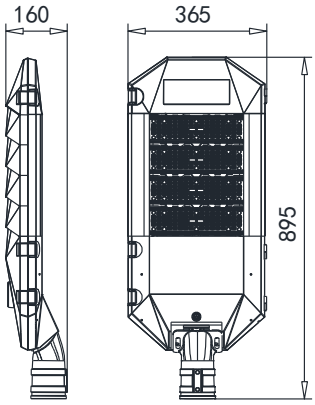
T32C-2



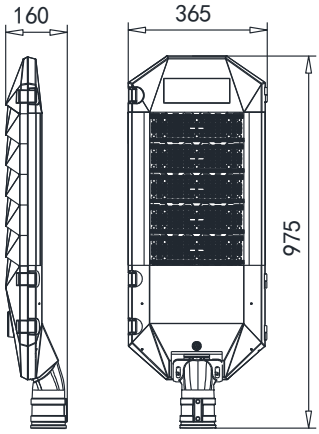
T32C-3



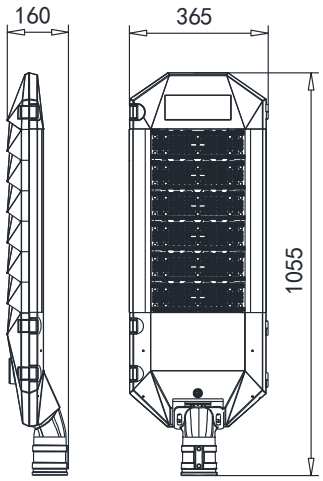
T32C-4



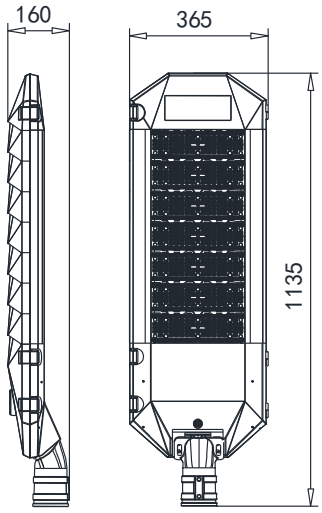
T32C-5



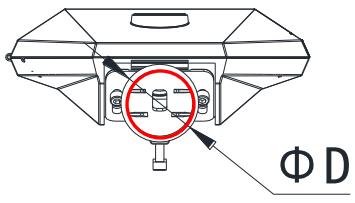
T32C-6



T32C-7



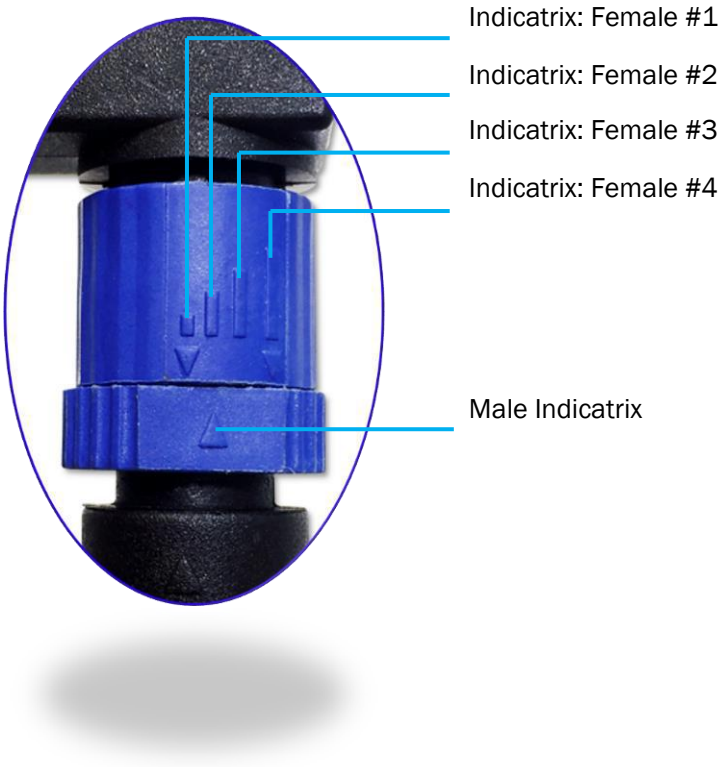
Mounting Hole



ΦD Installation Diameter: 60-76mm

Installation Depth：90-100mm

Connectors Operation Guide



Spin the male terminal clockwise. When the male indicatrix points between indicatrix female #2 and #3, and the gap between male and female terminals is extremely small, the connectors are well connected; otherwise, there will be risks in its waterproof performance.

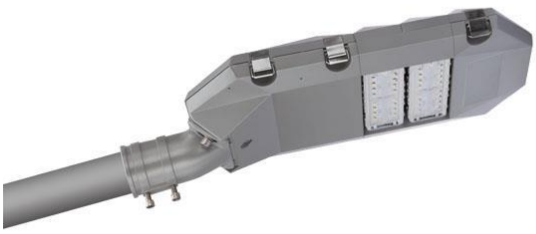
When the gap between male and female terminals is extremely small, if any looseness can be sensed, please spin the male terminal clockwise until tight.

Installation

1 Loosen the two stainless-steel M10x45 hexagon socket head cap screws on the tube for pole mounting.

2 Connect the wires to the terminal block at right sockets. Make sure it grounded sufficiently.

3 Infix the luminaries onto a pole. Tighten up the two M10X45 screws on the tube.



4 Installation finished.

Maintenance

Driver & Electrical Parts

1 Pull and loosen the three latches at side. Open the driver box.

2 Unscrew the two M4x12 cross recessed pan head screws on the cable clip, Disconnect the Input wire.

3 Undo the two M4x6 cross recessed pan head screws at the ends of the failed driver. Replace the failed driver set with a new one.

4 Connect and tighten up each part back step by step. Maintenance finished.

Maintenance

Module

1 Loosen the three stainless latches on the side. Open the cover.

2 Undo the two M4x10 screws at the ends of the failed module. Disconnect the failed module from the connector.

3 Replace the failed module with a new one.

4 Connect and tighten up each part back step by step. Maintenance finished.

Ordering Information

Example: T32CS-4-200GY-M1L3501-740-MO

Ordering Information	T 32C S - 4 - 200 GY - M1 L 3501 - 7 40 - MO
	1 2 3 4 5 6 7 8 9 10 11 12
1. Luminary Type	T: Street light TS: Tunnel light TF: High bay light FL: Flood light GL: Garden light
2. Luminary Series	11A 1B 1D 1F 2A 2C 3A 3B .....
3. Driving Current	Blank/N: ≤700mA S: ＞700mA
4. Module Qty	N: Non-modular luminary 1: 1 module 2: 2 modules 3: 3 modules 4: 4 modules .....
5. System Power	10: 10W 20: 20W 30: 30W 40: 40W 50: 50W .....
6. Housing Color	BK: Black WH: White GY: Grey SR: Silver BU: Blue BUWH: Blue top & White base BUGY: Blue top & Grey base OTH: Other
7. Module Series	Blank: Non-modular luminary M1: M1 module M2: M2 module M8: M8 module .....
8. LED Brand	X: Customized LEDs L: LUMILEDS C: CREE O: OSRAM N: NICHIA S: SAMSUNG
9. Lens Code	3501 3100 3702 3910 2701 5703 3040 1812 1412 .....
10. CRI	6: ≥60 7: ≥70 8: ≥80 9: ≥90 OTH: Other
11. CCT	30: 3000K 40: 4000K 50: 5000K 57: 5700K
12. Driver Brand	MO: MOSO MW: MEAN WELL PH: PHILIPS IN: INVENTRONICS AD: ADAYO OTH: Other

*Ordering information is for reference only. Some product configurations are not available. Please consult Specifications for specific product availability and for further details.

Revision History

Change Date	Rev.	Description of Change		
		Item	From	To
2016/09/02	Rev1.0	Datasheets Release		
2016/11/29	Rev1.1	Packing Information		Update