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Sales Team



E-Catalog



PRODUCT CATALOG 2025



About Us

Shenzhen Tochlighting Technology Co., Ltd. is a high-tech modern enterprise focusing on providing all-round application solutions for global outdoor lighting customers. Its headquarters and production base are located in Bao'an District, Shenzhen City, Guangdong Province.

As an innovative enterprise that insists on independent research and development of core technologies, the company has strong R&D and design capabilities. From program development and design to large-scale mass production, can quickly realize customer-customized lighting application requirements and create products with patent guarantees and brand added value. High range of products. The company has successively passed the ISO9001 quality management system, ISO14001 environmental management system, and ISO45001 occupational health and safety management system, and established reliability laboratories covering optical testing, material analysis, EMC, and environmental simulation. The main products launched by the company include LED module series, LED street lamp series, LED industrial and high bay lamp series, LED floodlight series, LED stadium lamp series, etc., and its application scenarios cover road lighting, industrial and mining lighting, tunnel lighting, venue lighting and special lighting field. In recent years, based on the existing technology accumulation, the company has actively deployed new fields such as intelligent lighting, healthy lighting, and special lighting, and can provide customers with professional intelligent lighting solutions.

With the development of the business, the customer base covers more than 40 countries and regions around the world. The products have passed the certification requirements of different countries and regions: certification and testing by ETL, ENEC, CE, ROHS, LM-80, LM-79, CQC and other authoritative organizations.

Since the establishment of the company, Tochlighting Technology has always adhered to the orientation of customers and market demand, with the aim of product innovation and quality first, to provide customers with the highest quality products and the most professional technical services, and to provide healthy lighting for all human beings and a green earth. The cause contributes our part.

Corporate Vision

To provide quality products and services, to become a world-class LED packaging company and lighting solutions provider.



Our Factory



LED Encapsulation Workshop



Assembly Line



Vibration Equipment



Salt Spray Test Equipment



Cold & Hot Shock Test Chamber



Automatic Aging Line



Rain Test Equipment



Thermostatic & Humidity Test Chamber

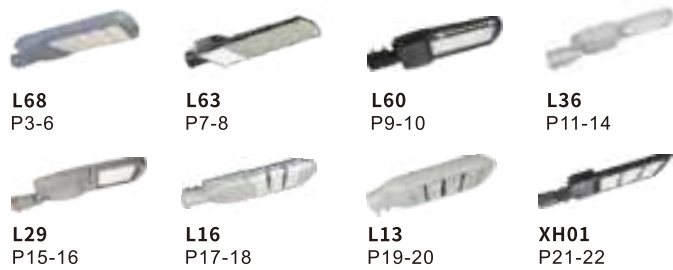


Automated Aging Line



IES Test Darkroom

LED Street Light Series



LED Urban Light Series



LED Flood Light Series



LED Stadium Light Series



UFO High Bay Light Series



LED Module (5050)



LED Module (3030)





LED Street Light

TOCHLIGHTING has developed and upgraded all different design of LED street light. From traditional glass cover design to newest modular design LED public lighting, We have used latest LED tech & matured fixture design proposal upon LED lamp to achieve high performance of finished product.



L68 Street Light

L68 LED modular street light are most updated & innovating product.

The louver design improves heating dissipation, also avoiding dust, water to pile up together. Buckle design is better for maintenance in future.



Easy Open Design

Integrated Back Cover

Buckle Design

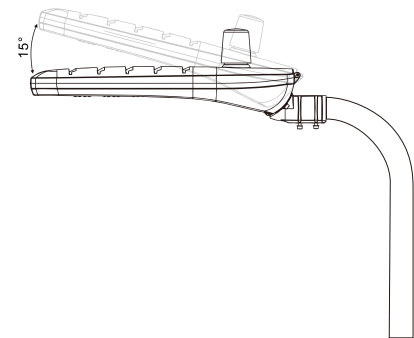


Louver Design

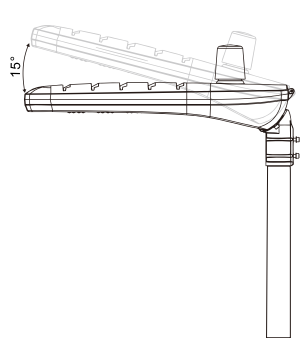


Installation

Horizontal installation



Vertical installation



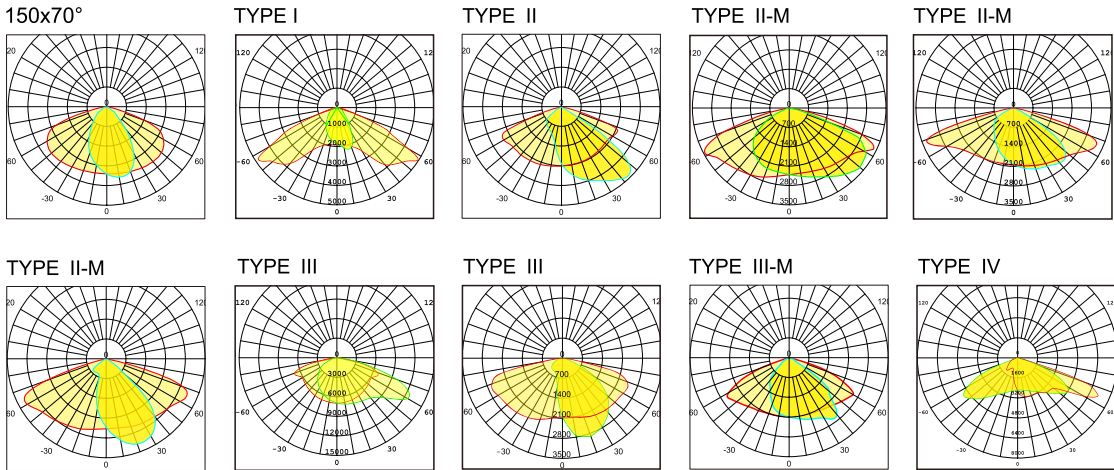
Parameters

Electric Data					
Model	TL-L6801-50	TL-L6802-100	TL-L6803-150	TL-L6804-200	TL-L6805-250
Power	50W	100W	150W	200W	250W
Power Factor	>0.95				
Power Supply	MOSO/Sosen/Inventronics				
Working Voltage	90-305V/249-528V AC,50/60Hz				

Photometric Specifications					
LEDs	5050 LED				
Ra	>70(>80,>90 optional)				
Luminous Efficiency	175±5lm/w				
Luminous Flux(±5%)	8750lm	17500lm	26250lm	35000lm	43750lm
CCT	2200K/2700K3000K/4000K/5000K/6000K				

Mechanical Specifications					
IP/IK Rate	IP66/IK10				
Working Environment	-40°C~50°C, 20%~90% RH				
Dimmable	1-10V,DALI,LORA SYSTEM				
N.W.(KG)	5.38	7.2	8.1	9.1	10.1
Lamp Size(mm)	437x340x134	583x340x134	583x340x134	769x340x139	769x340x139

Light Distribution Curve



Certificates





L63 Street Light

L63 ultra-thin design street lighting, is economic and cost-saving product.

Power ranges from 30W to 200W. This fixture provides a very cost effective solution for most of urban road lighting.

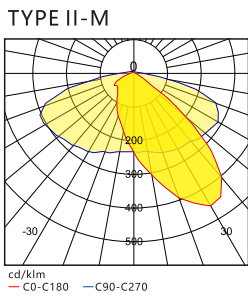
Parameters

Electric Data						
Model	TL-L6301-30	TL-L6301-60	TL-L6302-100	TL-L6302-120	TL-L6302-150	TL-L6303-200
Power	30W	60W	100W	120W	150W	200W
Power Factor	>0.95					
Power Supply	MOSO/Sosen/Inventronics					
Working Voltage	AC90-305V 50/60Hz					

Photometric Specifications						
LEDs	3030 LED					
Ra	>70					
Luminous Efficiency	140-160lm/w					
LEDs Qty	96pcs	96pcs	184pcs	184pcs	184pcs	288pcs
Luminous Flux(±5%)	4500lm	9000lm	15000lm	18000lm	22500lm	30000lm
CCT	3000K/4000K/5000K/6000K					

Mechanical Specifications			
IP/IK Rate	IP66/IK08		
N.W.(KG)	1.73	3.10	3.68
Light size (mm)	445x170x89.5	535x230x89.5	600x260x89.5

Light Distribution Curve



Certificates





L60 Street Light

L60 ultra-thin design street light, is an economic and cost-saving product.

Power ranges from 30W to 180W. This fixture provides a very cost effective solution for most of urban road lighting.

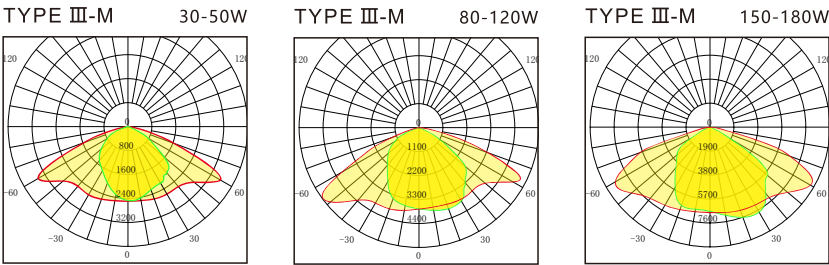
Parameters

Electric Data						
Model	TL-L601-30	TL-L601-50	TL-L602-80	TL-L602-120	TL-L603-150	TL-L603-180
Power	30W	50W	80W	120W	150W	180W
Power Factor	>0.95					
Power Supply	MOSO/Sosen/Inventronics					
Working Voltage	AC90-305V 50/60Hz					

Photometric Specifications						
LEDs	3030 LED					
Ra	>70(>80,>90 optional)					
Luminous Efficiency	130-150lm/w					
LEDs Qty	36pcs	56pcs	80pcs	128pcs	176pcs	216pcs
Luminous Flux(±5%)	4200lm	7000lm	11200lm	16800lm	21000lm	25200lm
CCT	3000K/4000K/5000K/6000K					

Mechanical Specifications			
IP/IK Rate	IP66/IK10		
Working Environment	-40°C~50°C, 20%~90% RH		
Dimmable	1-10V, DALI		
N.W.(KG)	1.73	3.10	3.68
Lamp Size(mm)	424x160x84	535x247x96	616x247x96

Light Distribution Curve



Certificates





L36 Street Light

L36 ultra-thin design street light, is an economic and cost-saving product.

Power ranges from 30W to 350W. This luminaire provides a very cost effective solution for most of urban road lighting.

Main Features

- High pressure die-cast aluminium alloy housing .
- Substantial friction resistant powder spraying process surface treatment.
- Adopt multi-chips package 5050 LEDs. Stable performance,



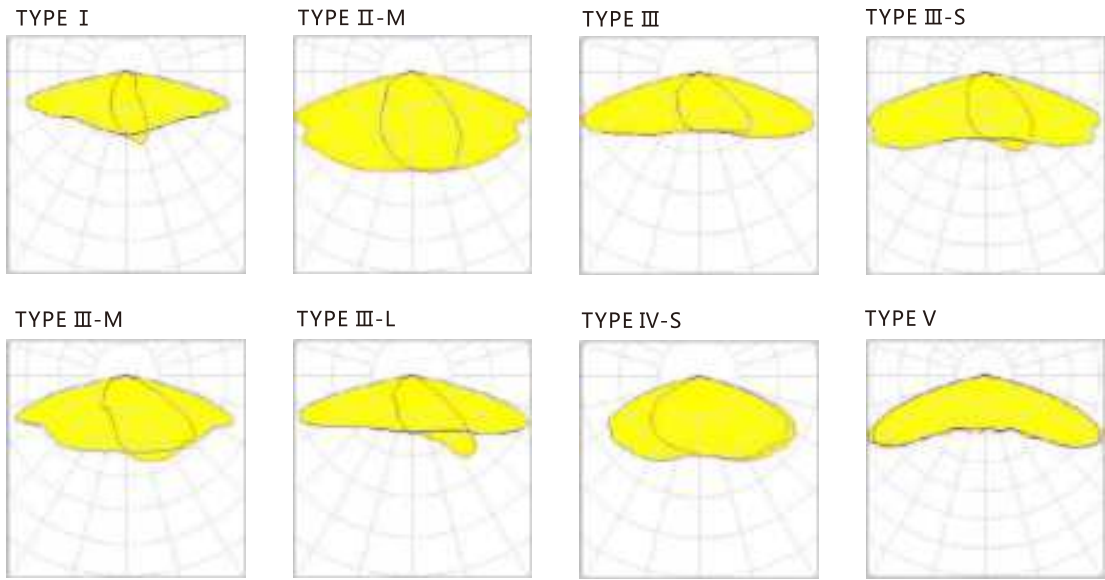
Parameters

Electric Data										
Model	TL-L36-30	TL-L36-60	TL-L36-80	TL-L36-100	TL-L36-120	TL-L36-150	TL-L36-200	TL-L36-250	TL-L36-300	TL-L36-350
Power	30W	60W	80W	100W	120W	150W	200W	250W	300W	350W
Power Factor	>0.95									
Power Supply	MOSO/Sosen/Inventronics									
Working Voltage	AC90-305V 50/60Hz									

Photometric Specifications										
LEDs	5050 LED									
Ra	>70(>80,>90 optional)									
Luminous Efficiency	150-170lm/w									
LEDs Qty	24pcs	36pcs	48pcs	54pcs	72pcs	72pcs	120pcs	144pcs	192pcs	192pcs
Luminous Flux(±5%)	4800lm	9600lm	12800lm	16000lm	19200lm	24000lm	32000lm	38750lm	48000lm	52500lm
CCT	3000K/4000K/5000K/6000K									

Mechanical Specifications										
IP/IK Rate	IP66/IK10									
Working Environment	-40°C~50°C,20%~90% RH									
Dimmable	1-10V,DALI									
N.W.(KG)	3.5	3.7	5.4	5.5	5.8	5.8	7.1	7.1	9.5	9.7
Lamp Size(mm)	565x180x128		670x240x128				790x300x128			

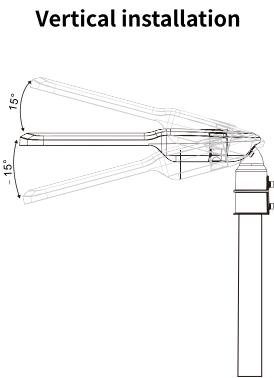
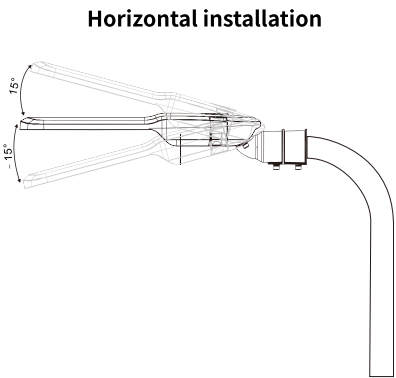
Light Distribution Curve



Certificates



Installation





L29 Street Light

L29 LED Street Light is a smart design for traditional market. Power range covered from 30W-200W.

With tempered glass and high efficiency 5050 LEDs. Modular lens design provide various beam angle.

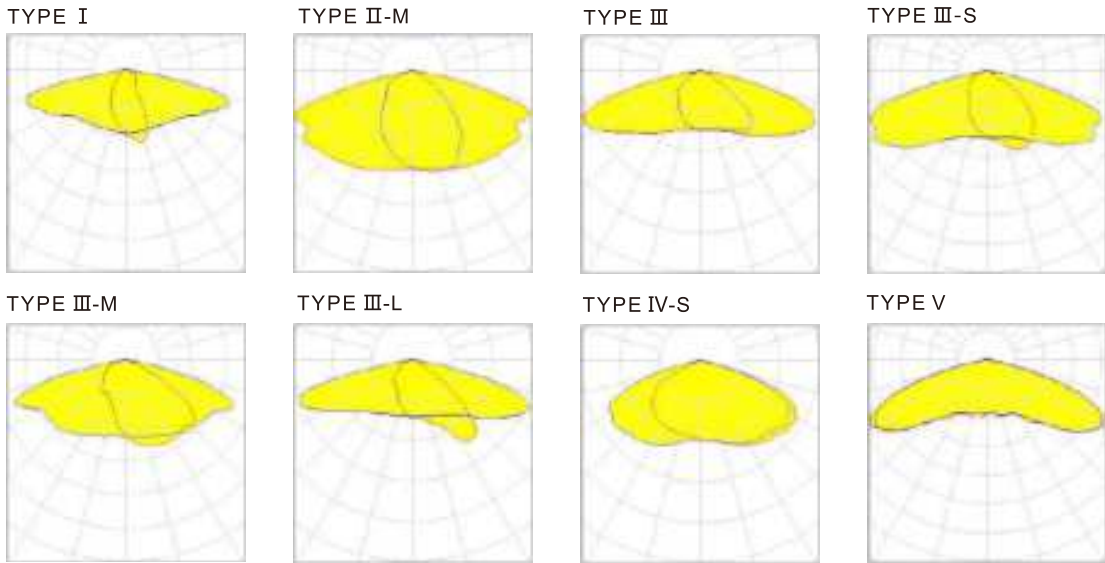
Parameters

Electric Data										
Model	TL-L29-30	TL-L29-50	TL-L29-60	TL-L29-80	TL-L29-90	TL-L29-100	TL-L29-120	TL-L29-150	TL-L29-180	TL-L29-200
Power	30W	50W	60W	80W	90W	100W	120W	150W	180W	200W
Power Factor	>0.95									
Power Supply	MOSO/Sosen/Inventronics									
Working Voltage	AC90-305V 50/60Hz									

Photometric Specifications										
LEDs	5050 LED									
Ra	>70(>80,>90 optional)									
Luminous Efficiency	150-160lm/w									
LEDs Qty	24pcs	36pcs	36pcs	48pcs	72pcs	72pcs	72pcs	90pcs	120pcs	120pcs
Luminous Flux(±5%)	4500lm	7500lm	9000lm	12000lm	14400lm	16000lm	19200lm	24000lm	28800lm	32000lm
CCT	3000K/4000K/5000K/6000K									

Mechanical Specifications										
IP/IK Rate	IP66/IK09									
Working Environment	-40°C~50°C,20%~90% RH									
Dimmable	1-10V,DALI									
N.W.(KG)	4.6			6.2				8.9		
Lamp Size(mm)	606×231×122			699×279×122				814×346×128		

Light Distribution Curve



Certificates



L16 Street Light

175LM/W Professional Roadway Light

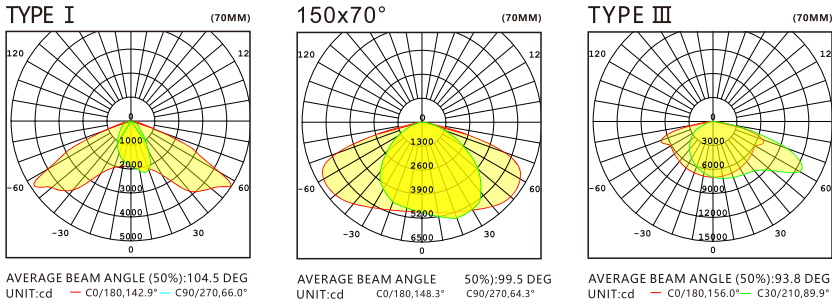
Parameters

Electric Data					
Model	TL-L1601-50	TL-L1602-100	TL-L1603-150	TL-L1604-200	TL-L1605-250
Power	50W	100W	150W	200W	250W
Power Factor	>0.95				
Power Supply	MOSO/Sosen/Inventronics				
Working Voltage	90-305V/249-528V AC,50/60Hz				

Photometric Specifications					
LEDs	5050 LED				
Ra	>70(>80,>90 optional)				
Luminous Efficiency	175±5lm/w				
LEDs Qty	28pcs	56pcs	84pcs	112pcs	140pcs
Luminous Flux(±5%)	8750lm	17500lm	26250lm	35000lm	43750lm
CCT	3000K/4000K/5000K/6000K				

Mechanical Specifications					
IP/IK Rate	IP66/IK10				
Working Environment	-40°C~50°C,20%~90% RH				
Dimmable	1-10V,DALI				
N.W.(KG)	4.8	5.7	6.6	7.5	8.4
Lamp Size(mm)	539x328x100	611x328x100	692x328x100	773x328x100	854x328x100

Light Distribution Curve



Certificates



L13 Street Light



Application



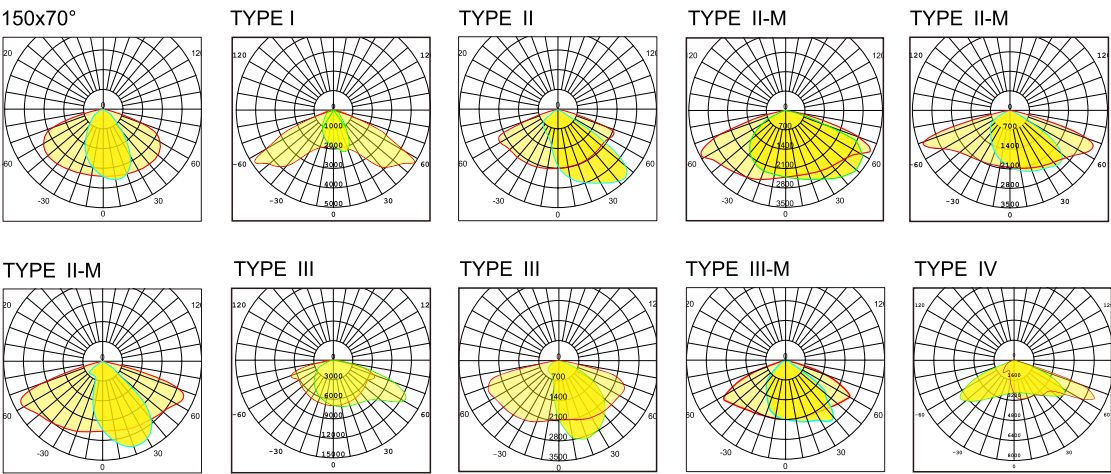
Parameters

Electric Data					
Model	TL-L1301-50	TL-L1302-100	TL-L1303-150	TL-L1304-200	TL-L1305-250
Power	50W	100W	150W	200W	250W
Power Factor	>0.95				
Power Supply	MOSO/Sosen/Inventronics				
Working Voltage	90-305V/249-528V AC,50/60Hz				

Photometric Specifications					
LEDs	5050 LED				
Ra	>70(>80,>90 optional)				
Luminous Efficiency	175±5lm/w				
LEDs Qty	28pcs	56pcs	84pcs	112pcs	140pcs
Luminous Flux(±5%)	8750lm	17500lm	26250lm	35000lm	43750lm
CCT	3000K/4000K/5000K/6000K				

Mechanical Specifications					
IP/IK Rate	IP66/IK10				
Working Environment	-40°C~50°C,20%~90% RH				
Dimmable	1-10V,DALI				
N.W.(KG)	3.2	8.8	9.6	11.6	13.2
Lamp Size(mm)	405x336x98	571x336x98	571x336x98	738x336x98	738x336x98

Light Distribution Curve





Type A

LED Shoebox Light

High way, urban roads and secondary roads, sidewalk, residential area, industry sites, square area, parking lot, logistics park and other street lighting applications.



Type B

Type C

Type D

Type E

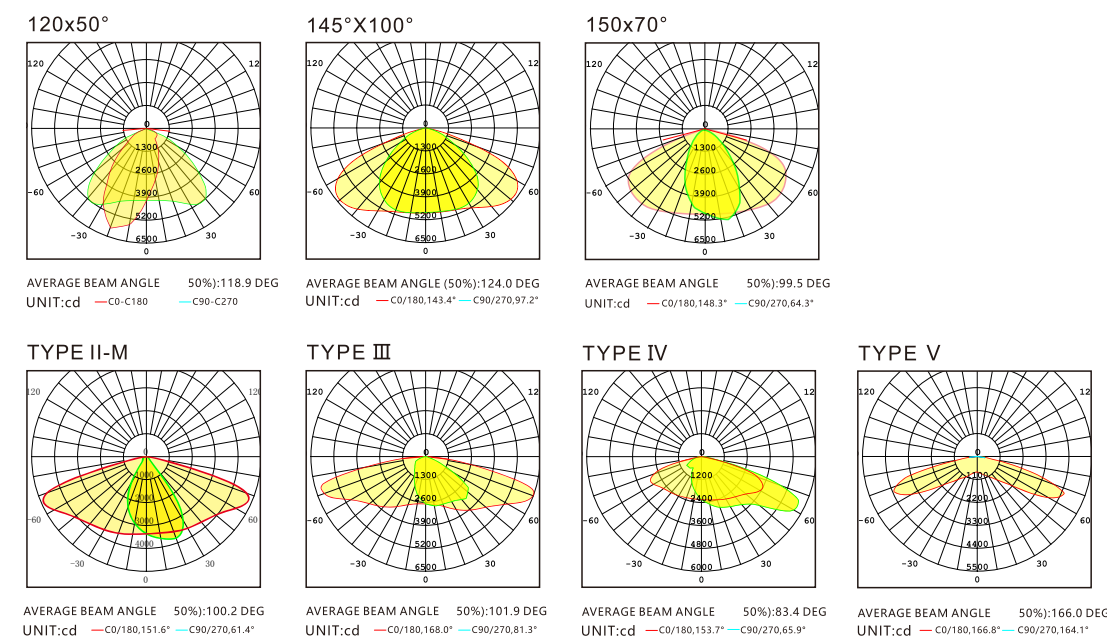
Parameters

Electric Data								
Model	TL-XH01S-30	TL-XH01S-50	TL-XH0101-70	TL-XH0101-100	TL-XH0102-150	TL-XH0102-200	TL-XH0103-240	TL-XH0103-300
Power	30W	50W	70W	100W	150W	200W	240W	300W
Power Factor	>0.95							
Power Supply	MOSO/Sosen/Inventronics							
Working Voltage	90-305V/249-528V AC,50/60Hz							

Photometric Specifications								
LEDs	5050 LED							
Ra	>70(>80,>90 optional)							
LEDs Qty	28pcs	28pcs	42pcs	42pcs	84pcs	84pcs	126pcs	126pcs
Beam angle	150x70° (30W,50W)			Type II-M,III,IV,V,120x50°,145x100°,150x70° (70-300W)				
Efficiency (145x100°,150x70°)	165-175lm/w	155-165lm/w	165-175lm/w	155-165lm/w	165-175lm/w	155-165lm/w	165-175lm/w	155-165lm/w
Efficiency (Type II-M,III,IV,V,120x50°)	160-170lm/w	150-160lm/w	165-175lm/w	145-155lm/w	155-165lm/w	145-155lm/w	155-165lm/w	145-155lm/w
CCT	3000K/4000K/5000K/6000K							

Mechanical Specifications								
IP/IK Rate	IP66/IK10							
Working Environment	-40°C~50°C,20%~90% RH							
N.W.(KG)	2.4	2.5	4.6	5.5	5.6	6.5	6.5	6.5
Lamp Size(mm)	481x312x93	481x312x93	524x312x93	651x312x93	651x312x93	778x312x93	778x312x93	778x312x93

Light Distribution Curve





GL02 LED Urban Light

- Available from 20W-80W
- Excellent heat radiation,optical and electrical ability.
- Die-cast aluminum body with pure polyester Electrostatic spray.
- With 5mm super white toughened glass
- Humanized design concept,easy to install andmaintain.
- IP66 rated engine compartment sealed with temperedglass.
- Ergonomicand dedicated lighting distributions area available for various road way applications.



A



B



C



D

Parameters

Electric Data							
Model	TL-GL02-Power- X-CCC-DDD-Z-M						
Power	20W	30W	40W	50W	60W	70W	80W
Power Factor	>0.95						
Power Supply	MOSO/Sosen/Inventronics						
Working Voltage	AC90-305V 50/60Hz						

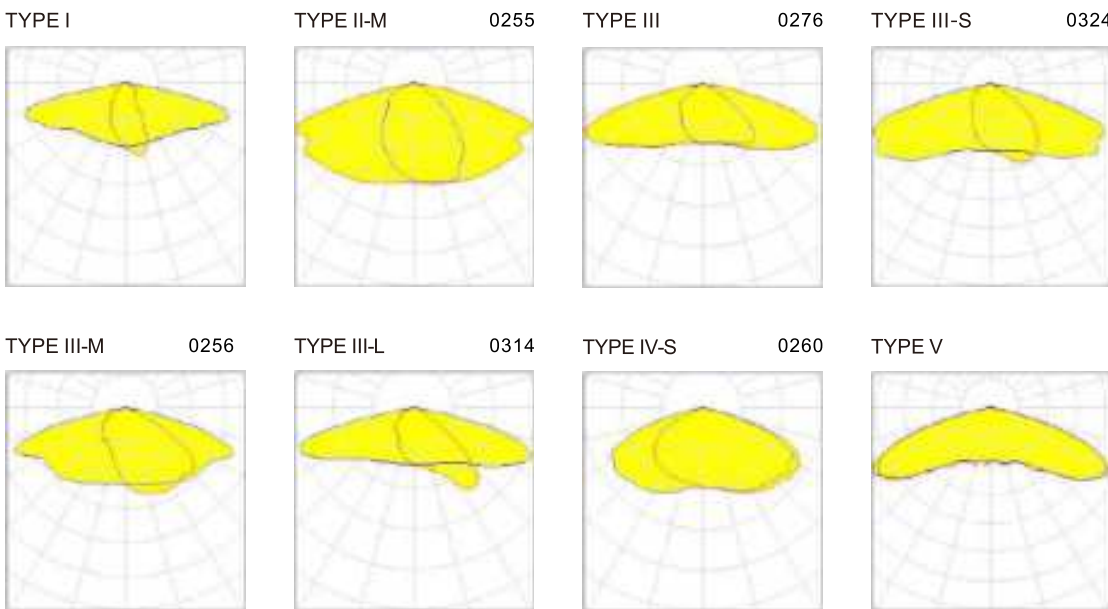
Photometric Specifications							
LEDs	5050 LED						
Ra	>70(>80,>90 optional)						
Luminous Efficiency	140~160lm/w						
LEDs Qty	24-36pcs	24-36pcs	24-36pcs	24-36pcs	24-36pcs	48pcs	48pcs
Luminous Flux(±5%)	3000lm	4500lm	6000lm	7500lm	9000lm	10500lm	12000lm
CCT	3000K/4000K/5000K/6000K						

Mechanical Specifications	
IP/IK Rate	IP66/IK10
Working Environment	-40°C~50°C,20%~90% RH
Dimmable	DALI/1-10V/PWM/Timer

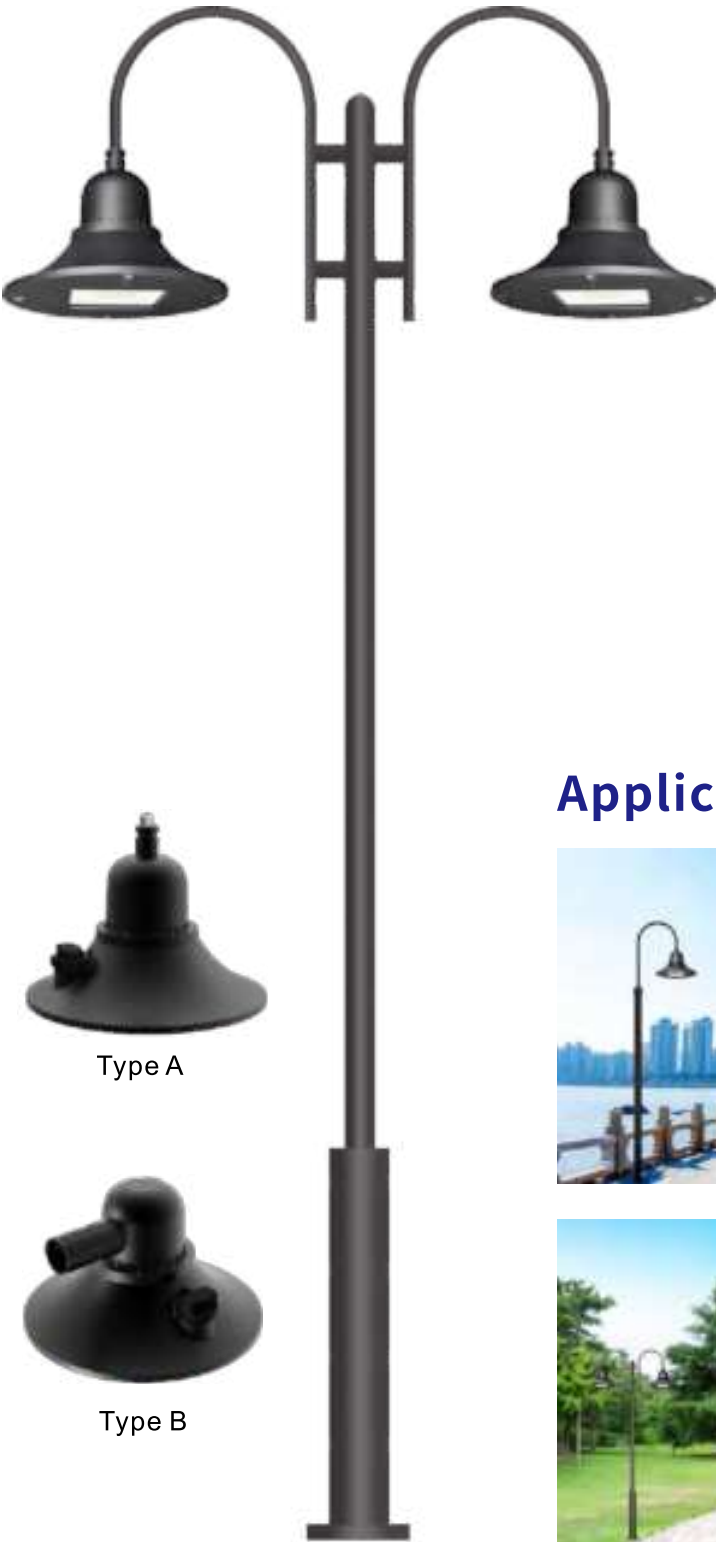
TL-GL02-Power-**X-CCC-DDD-Z-M**

- X** Installation Mode ("A", "B", "C", "D")
- CCC** Color Temperature: 30K is for 3000K, 40K is for 4000K
- DDD** Driver (SPA for Sosen PA, IBT2 for EBS BT2)
- Z** Nema (N) - Zhaga (Z) - Nothing (0)
- M** Short Circuit Cap ("0" means without, "1" means with) ONLY FOR NEMA

Light Distribution Curve



GL03 LED Urban Light



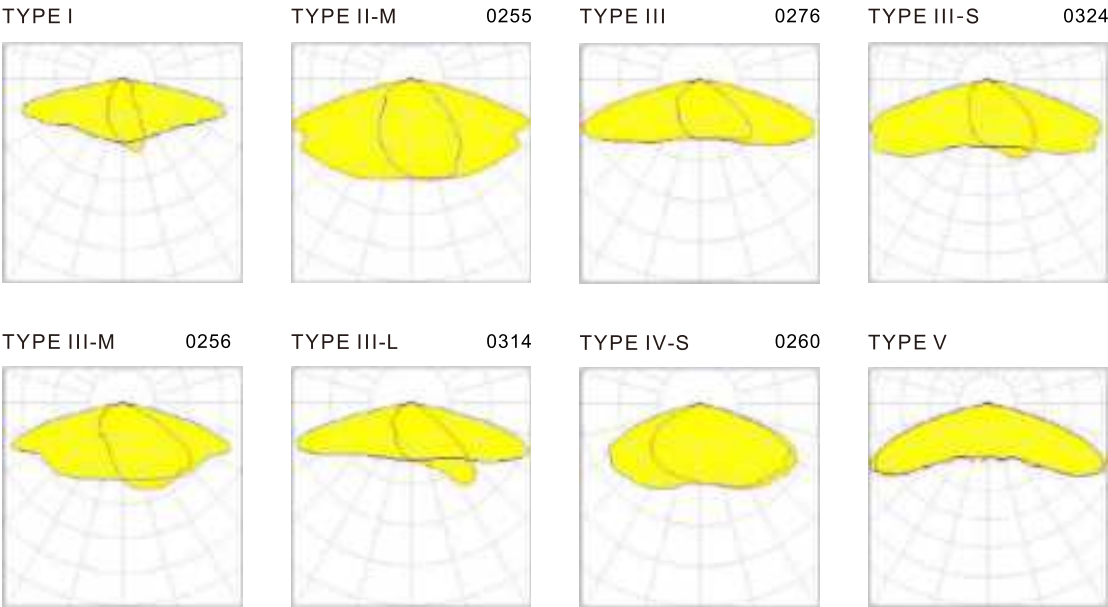
Application



Parameters

Electric Data									
Model	TL-GL03-20	TL-GL03-30	TL-GL03-40	TL-GL03-50	TL-GL03-60	TL-GL03-70	TL-GL03-80	TL-GL03-90	TL-GL03-100
Power	20W	30W	40W	50W	60W	70W	80W	90W	100W
Power Factor	>0.95								
Power Supply	MOSO/Sosen/Inventronics								
Working Voltage	AC90-305V 50/60Hz								
Photometric Specifications									
LEDs	5050 LED								
Ra	>70(>80,>90 optional)								
Luminous Efficiency	150±10lm/w								
LEDs Qty	24pcs	24pcs	24pcs	36pcs	36pcs	54pcs	54pcs	54pcs	54pcs
Luminous Flux(±5%)	3000lm	4500lm	6000lm	7500lm	9000lm	10500lm	12000lm	13500lm	15000lm
CCT	3000K/4000K/5000K/6000K								
Mechanical Specifications									
IP/IK Rate	IP66/IK09								
Working Environment	-40℃~50℃,20%~90% RH								
Lens Material	PC lens+Temperaed glass cover								
N.W.(KG)	7.8	7.8	7.8	7.8	7.8	7.8	8.0	8.0	8.0
Lamp Size(mm)	500x500x385								

Light Distribution Curve



LED Flood Light

LED modular flood light,widely used for outdoor soccer fields,tennis court and basket court,ranging from 50W to 500W.



V5 LED Flood Light

V5 series is the most cost-effective product among all LEPOWER's industrial lights.

High efficiency based on advanced LED technology, Luminous output over 40% higher than other competitor's products.



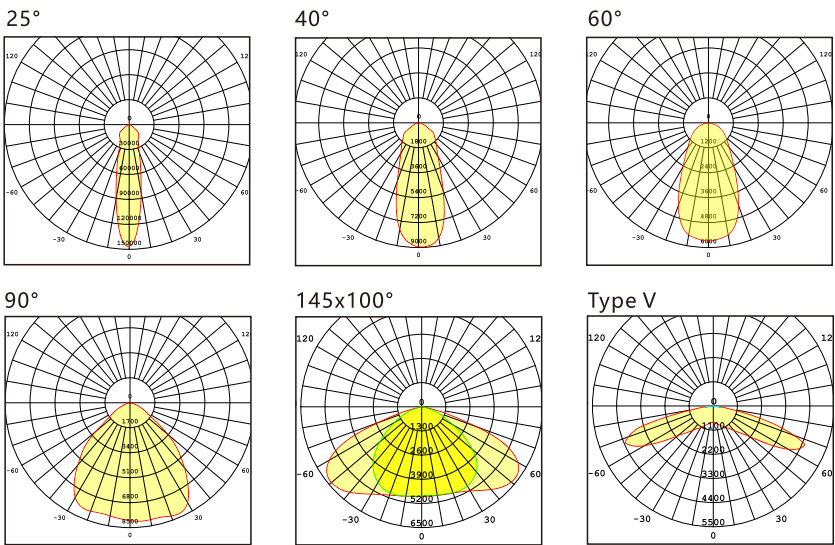
Parameters

Electric Data								
Model	TL-HB0501	TL-HB0502	TL-HB0503	TL-HB0504	TL-HB0505	TL-HB0506	TL-HB0508	TL-HB0510
Power	50W	100W	150W	200W	250W	300W	400W	500W
Power Factor	>0.95							
Power Supply	MOSO/Sosen/Inventronics							
Working Voltage	AC90-305V,50/60Hz							

Photometric Specifications								
LEDs	5050 LED							
Ra	>70(>80,>90 optional)							
Luminous Efficiency	175±5lm/w							
LEDs Qty	28pcs	56pcs	84pcs	112pcs	140pcs	168pcs	224pcs	280pcs
Luminous Flux(±5%)	9000lm	18000lm	27000lm	36000lm	45000lm	54000lm	72000lm	90000lm
CCT	3000K/4000K/5000K/6000K							

Mechanical Specifications									
IP/IK Rate	IP66/IK10								
Inclination Angle	180°(50W-150W)			150°(200W-500W)					
Lens Material	PC								
Dimmable	1-10V,DALI,PWM								
N.W.(KG)	2.1	3.3	4.0	5.2	6.1	7.7	10.2	12.4	
Lamp size (mm)	305x88x222	305x176x222	305x264x222	305x352x222	305x440x222	610x264x222	610x352x222	610x440x222	
Working Environment	-40°C~50°C, 20%~90% RH								
Storage Temperature	-45°C~55°C,10%~90% RH								

Light Distribution Curve



V5B LED Flood Light

V5B series flood light is an economic and competitive product. It provides cost-saving and super higher lumen,longer lifespan, lower price than other companies product.

Meanwhile,optional beam angle for different case requirements, impressived heat sink design,up to 600W with 84000lm ensure V5B to offer good performance always.



Standard



Add Frame



Add Frame&Back Cover

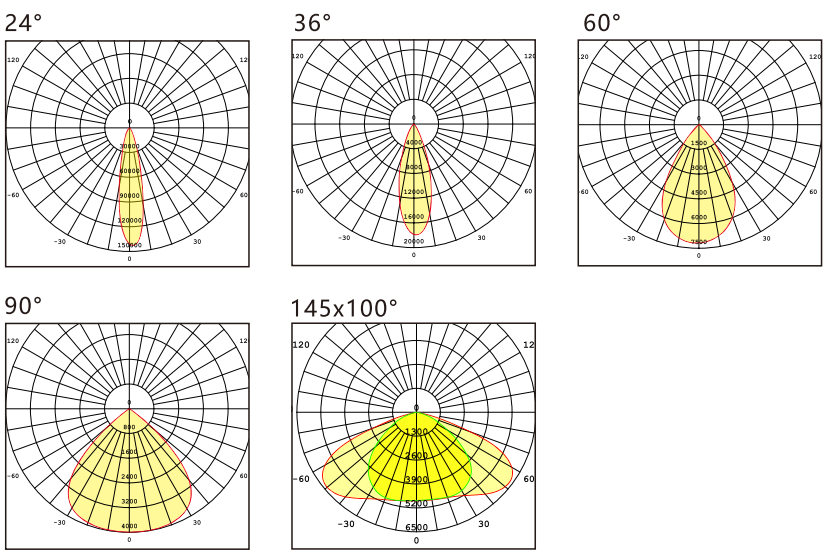
Parameters

Electric Data									
Model	TL-V5B01-50	TL-V5B02-100	TL-V5B03-150	TL-V5B04-200	TL-V5B05-250	TL-V5B06-300	TL-V5B08-400	TL-V5B10-500	TL-V5B12-600
Power	50W	100W	150W	200W	250W	300W	400W	500W	600W
Power Factor	>0.95								
Power Supply	MOSO/Sosen/Inventronics								
Working Voltage	AC90-305V,50/60Hz								

Photometric Specifications									
LEDs	5050 LED								
Ra	>70(>80,>90 optional)								
Luminous Efficiency	140±5lm/w								
LEDs Qty	64pcs	128pcs	192pcs	256pcs	320pcs	384pcs	512pcs	640pcs	768pcs
Luminous Flux(±5%)	7000lm	14000lm	21000lm	28000lm	35000lm	42000lm	56000lm	70000lm	84000lm
CCT	3000K/4000K/5000K/6000K								

Mechanical Specifications									
IP/IK Rate	IP66/IK10								
Lifespan	>50,000 Hours								
Inclination Angle	±180°(50/100W)				±60°(150-600W)				
Lens Material	PC								
N.W.(KG)	3.2	4.3	5.2	6.8	8.0	9.2	13.0	15.2	17.6
Lamp size (mm)	335x91x193	335x170x193	335x247x193	335x325x193	403x335x193	481x335x193	642x335x193	642x403x193	642x481x193

Light Distribution Curve





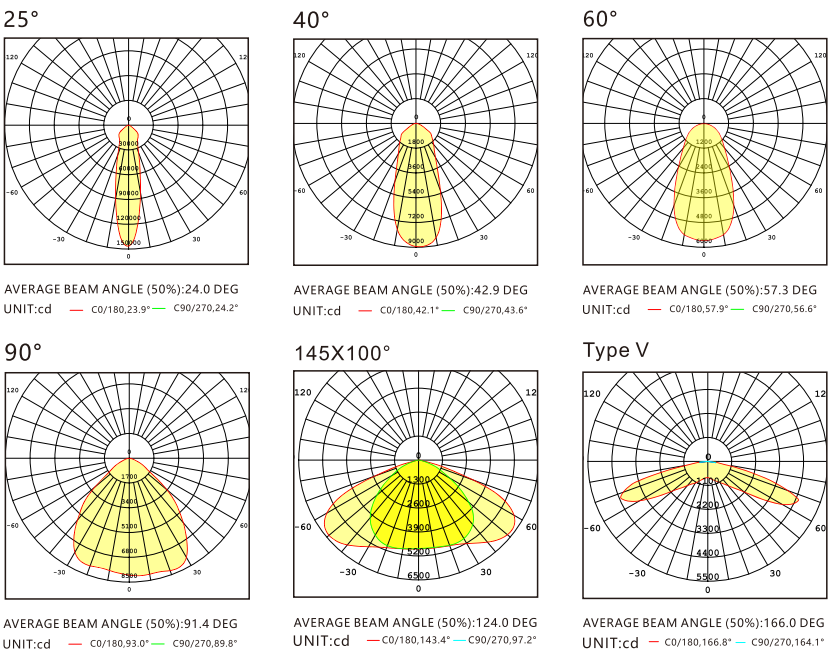
V6B LED Flood Light

V6B series LED modular flood light are ultimate replacement light fixtures. Has been developed to ensure maximum energy efficiency in combination with modern technologies in LED lighting innovation.

Parameters

Electric Data									
Model	TL-HB06B01	TL-HB06B02	TL-HB06B03	TL-HB06B04	TL-HB06B05	TL-HB06B06	TL-HB06B08	TL-HB06B10	
Power	50W	100W	150W	200W	250W	300W	400W	500W	
Power Factor	>0.95								
Power Supply	MOSO/Sosen/Inventronics								
Working Voltage	AC90-305V,50/60Hz								
Photometric Specifications									
LEDs	5050 LED								
Ra	>70(>80,>90 optional)								
Luminous Efficiency	175±5lm/w								
LEDs Qty	28pcs	56pcs	84pcs	112pcs	140pcs	168pcs	224pcs	280pcs	
CCT	3000K/4000K/5000K/6000K								
Mechanical Specifications									
IP/IK Rate	IP66/IK10								
Inclination Angle	100°								
N.W.(KG)	2.5	3.6	4.0	5.0	6.0	9.0	11.0	13.0	
Lamp size (mm)	260x85x174	260x168x174	260x260x174	260x350x174	440x260x174	520x260x174	520x360x174	520x440x174	
Working Environment	-40°C~50°C, 20%~90% RH								
Storage Temperature	-45°C~55°C, 10%~90% RH								

Light Distribution Curve



V26 LED tunnel light



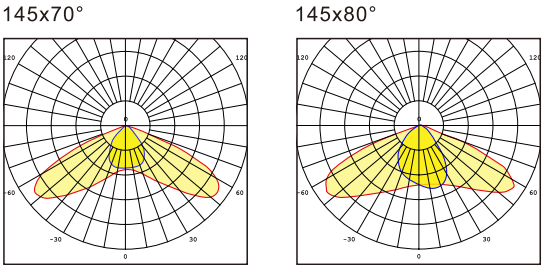
Parameters

Electric Data						
Model	TL-V2601-30	TL-V2601-50	TL-V2601-100	TL-V2602-120	TL-V2602-150	TL-V2602-200
Power	30W	50W	100W	120W	150W	200W
Power Factor	>0.95					
Power Supply	MOSO/Sosen/Inventronics					
Working Voltage	AC90-305V,50/60Hz					

Photometric Specifications						
LEDs	3030 LED					
Ra	>70(>80,>90 optional)					
Luminous Efficiency	145±5lm/w					
LEDs Qty	102pcs	102pcs	102pcs	204pcs	204pcs	204pcs
Luminous Flux(±5%)	4350lm	7250lm	14500lm	17400lm	21750lm	29000lm
CCT	3000K/4000K/5000K/6000K					

Mechanical Specifications						
IP/IK Rate	IP66/IK10					
Lifespan	>50,000 Hours					
Inclination Angle	±180°					
Lens Material	PC					
N.W.(KG)	1.46	1.46	1.46	2.9	2.9	2.9
Lamp size (mm)	272x126x122	272x126x122	272x126x122	504x126x122	504x126x122	504x126x122

Light Distribution Curve





LED Stadium Light

TOCHLIGHTING customized fixture proposal utilizing different beam spread for client's lighting demands, meeting high standard professional TV show broadcasting requirements.

Power ranges from 300W to 1800W, featured shape design with excellent performance aluminum heat-sink, individual kits easy assembly design.

- | | | | |
|--|--|--|--|
| 
Football | 
Hockey | 
Tennis | 
Rugby |
| 
Athletics | 
Golf course | 
Playing court | 
Baseball / Softball |

V18 LED Stadium Light

V18 LED stadium lamp is patented fin heat sink design product,with high efficiency LED, various beam angles for different lighting application.

Range from 300W to 1800W,used to televise for professional CCTV high uniformity,lifespan more than 50000 hours



Parameters

Electric Data						
Model	TL-V1801-300	TL-V1802-500	TL-V1803-900	TL-V1804-1200	TL-V1806-1500	TL-V1806-1800
Power	300W	500W	900W	1200W	1500W	1800W
Power Factor	>0.95					
Power Supply	MOSO/Sosen/Inventronics					
Working Voltage	AC90-305V,50/60Hz					

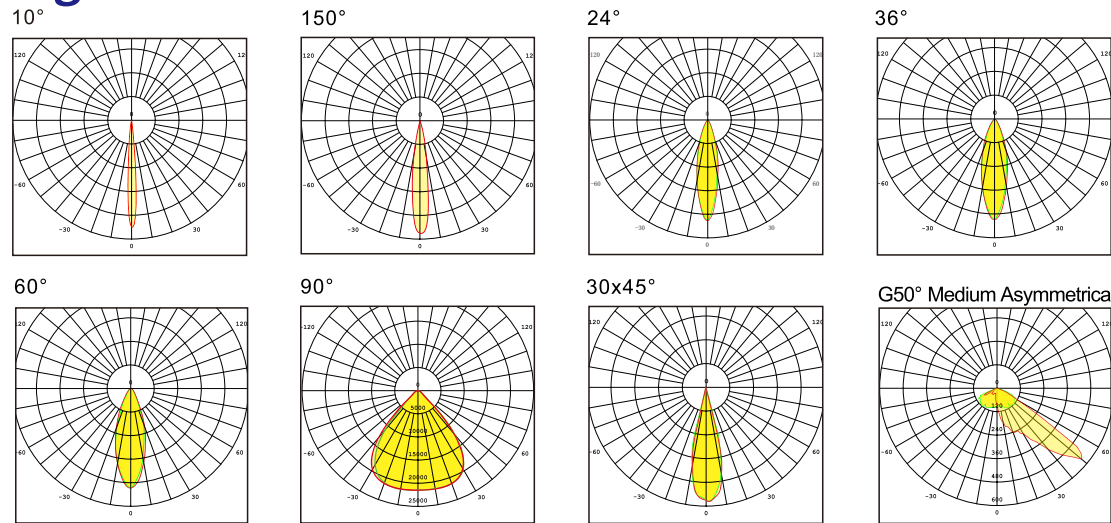
Photometric Specifications	
Ra	>70(>80,>90 optional)
CCT	3000K/4000K/5000K/6000K

LEDs	OSRAM 3737 LED (10°/15°/G50°)					
3737 LEDs (10°/15°) 115LM/W	39pcs	78pcs	117pcs	156pcs	234pcs	234pcs
Luminous Flux(±5%)	34500lm	57500lm	103500lm	138000lm	172500lm	207000lm
3737 LEDs (G50°) 130LM/W	64pcs	128pcs	192pcs	256pcs	320pcs	320pcs
Luminous Flux(±5%)	39000lm	65000lm	117000lm	156000lm	195000lm	234000lm

LEDs	5050 LED(24°/36°/60°/90°/30X45°)					
5050 LEDs	124pcs	248pcs	372pcs	496pcs	744pcs	774pcs
Luminous Flux(±5%) 160LM/W	48000lm	80000lm	144000lm	192000lm	240000lm	288000lm

Mechanical Specifications							
IP/IK Rate	IP66/IK10						
Inclination Angle	±180°(<1000W)			120°&180°(≥1000W)			
Working Environment	-45°C~55°C,10%~90% RH						
N.W.(KG)	5.6	13.5	19.5	25	35	35	
Lamp Size(mm)	345x325x163	409x500x163	409x748x163	745x557x163	745x807x163	745x807x163	

Light Distribution Curve



V19 LED Stadium Light

V19 LED stadium lamp is patented Fin heat sink design product,with high efficiency LED,various of beam angle for different lighting application.
Range from 200W to 1200W,used to televiser for professional CCTV high uniformity.



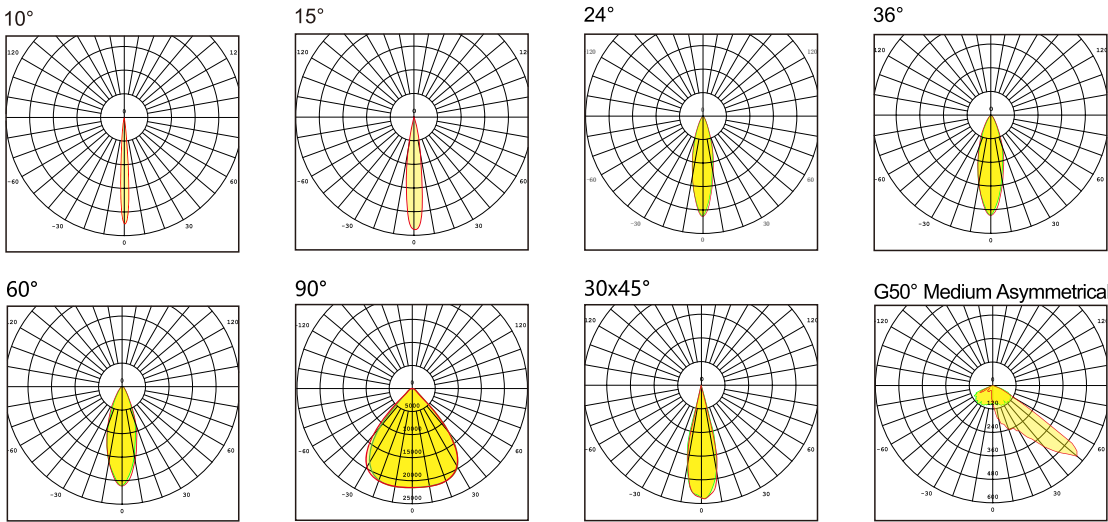
Parameters

Electric Data					
Model	TL-V1901-200	TL-V1902-400	TL-V1903-600	TL-V1904-800	TL-V1906-1200
Power	200W	400W	600W	800W	1200W
Power Factor	>0.95				
Power Supply	MOSO/Sosen/Inventronics				
Working Voltage	AC90-305V,50/60Hz				

Photometric Specifications					
Ra	>70(>80,>90 optional)				
CCT	3000K/4000K/5000K/6000K				
LEDs	OSRAM 3737 LED (10°/15°/G50°)				
Luminous Efficiency	125lm/w				
3737 LEDs Qty (10°/15°)	39pcs	78pcs	117pcs	156pcs	234pcs
3535 LEDs Qty (G50°)	64pcs	128pcs	192pcs	256pcs	320pcs
Luminous Flux(±5%)	25000lm	50000lm	75000lm	100000lm	150000lm
LEDs	5050 LED (24°/36°/60°/90°/30X45°)				
5050 LEDs Qty	124pcs	248pcs	372pcs	496pcs	744pcs
Luminous Flux(±5%) 160LM/W	33000lm	66000lm	99000lm	132000lm	198000lm

Mechanical Specifications					
IP/IK Rate	IP66/IK10				
Inclination Angle	-90°~180°				
Working Environment	-45°C~55°C,10%~90% RH				
N.W.(KG)	5.0	8.5	12.5	16.2	22.5
Lamp Size(mm)	404x327x113	404x530x113	404x720x113	724x555x113	724x740x113

Light Distribution Curve



V20 LED Stadium Light

V20 LED flood light is high purity extruded aluminum design, it is a very economical and practical lamp with various of beam angle for different lighting application. Wide power range from 100W to 500W, used to common sport filed and area lighting.



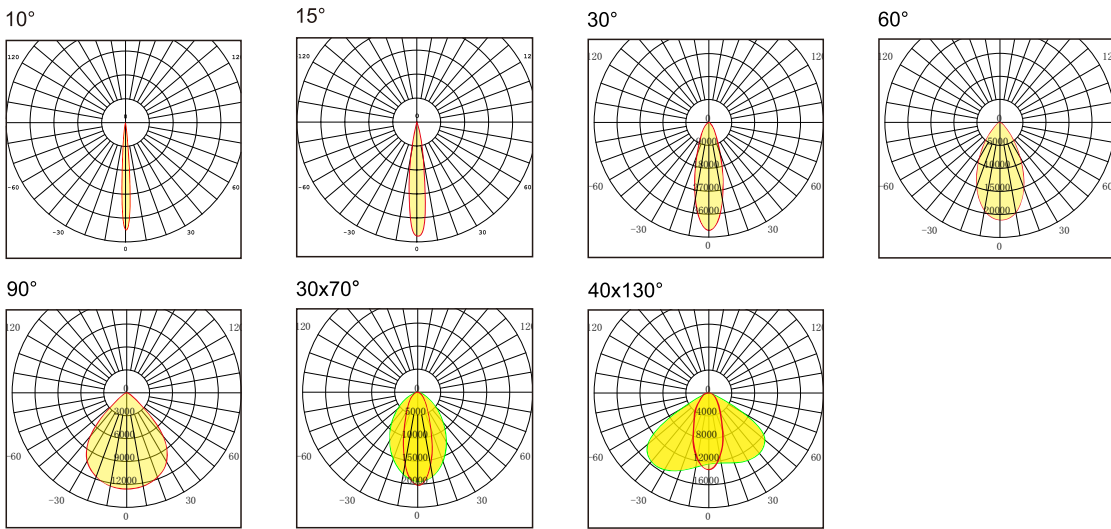
Parameters

Electric Data					
Model	TL-V2001-100	TL-V2002-200	TL-V2003-300	TL-V2004-400	TL-V2005-500
Power	100W	200W	300W	400W	500W
Power Factor	>0.95				
Power Supply	MOSO/Sosen/Inventronics				
Working Voltage	AC90-305V,50/60Hz				

Photometric Specifications					
LEDs	3535 LED/5050LED/3030LED				
Ra	>70(>80,>90 optional)				
Luminous Efficiency	145±5lm/w				
LEDs Qty (3535)	32pcs	64pcs	96pcs	128pcs	160pcs
LEDs Qty (5050)	46pcs	92pcs	138pcs	184pcs	230pcs
LEDs Qty (3030)	112pcs	224pcs	336pcs	448pcs	560pcs
Luminous Flux(±5%)	14500lm	29000lm	43500lm	58000lm	72500lm
CCT	3000K/4000K/5000K/6000K				

Mechanical Specifications					
IP/IK Rate	IP66/IK10				
Lifespan	>50,000 Hours				
Inclination Angle	-90°~180°				
Body Material	Aluminum6063-T5				
Lens Material	PC				
N.W.(KG)	2.5	4.5	6.7	8.0	10.2
Lamp Size(mm)	320x100x180.5	320x210x180.5	320x320x180.5	320x430x180.5	320x540x180.5

Light Distribution Curve





LED High Bay Light

Widely used in Factory, Workshop, Warehouse, Logistics Centre, Exhibition Hall, Gymnasium, Shipyards, Mining, Petrol Station, Supermarket, etc.



S2 High Bay Light

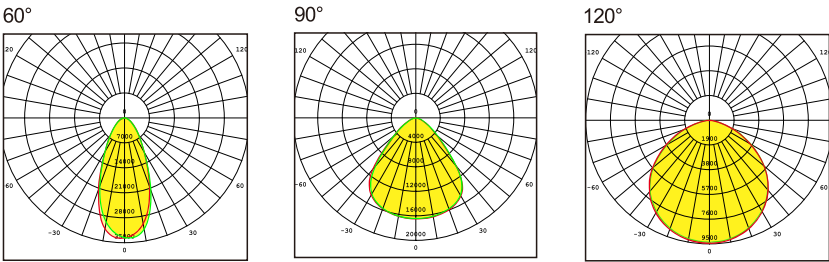
S2 UFO high bay light series from 100W-240W. Classic outlook with excellent system efficiency 180lm/w. Patented heat dissipation design with lower weight.

Super energy saving. 150W can replace 400W HID. Smart control with 0-10V, PWM, Microwave Motion Sensor and Bluetooth Motion sensor.

Parameters

Electric Data					
Model	TL-S2-100	TL-S2-120	TL-S2-150	TL-S2-200	TL-S2-240
Power	100W	120W	150W	200W	240W
Input Voltage	AC 100-277V, 50/60Hz				
Photometric Specifications					
LEDs	Lumileds 2835				
Ra	>70(>80,>90 optional)				
Luminous Efficiency	165±5lm/w				
Luminous Flux(±5%)	16500lm	19800lm	24750lm	33000lm	39600lm
LEDs	Lumileds 2835 (High Lumen)				
Ra	>70				
Luminous Efficiency	180lm/w				
Luminous Flux(±5%)	18000lm	21600lm	27000lm	36000lm	43200lm
CCT	3000K/4000K/5000K/6000K				
Mechanical Specifications					
IP Rate	IP65				
Working Environment	-40℃~50℃,20%~90% RH				
Storage Temperature	-45℃~55℃,10%~90% RH				
Body Material	Aluminum6063-T5				
Lens Material	PC				
Dimmable	0-10V/PWM/Microwave Motion Sensor(Bluetooth)				
N.W.(KG)	2.8	2.8	2.9	3.4	3.5
Size(mm)	Ø320xH188				

Light Distribution Curve



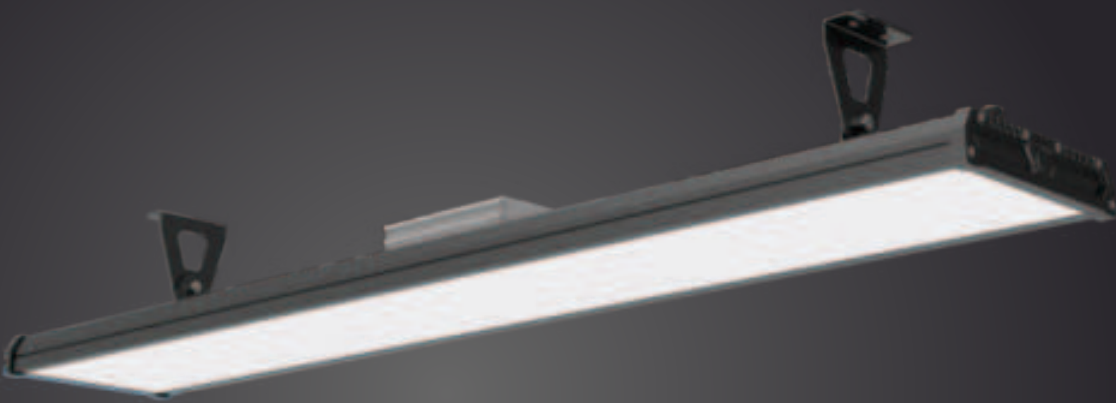
Certificates



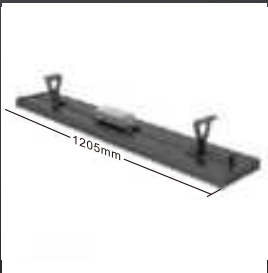
T20 LED Linear High Bay

T20 linear high bay is the perfect lighting choice for a wide range of applications including warehousing, logistics, retail, manufacturing, production & refrigeration.

Smart sensor design and more optional installation type can meet different needs.



Installation Way



Standard Length

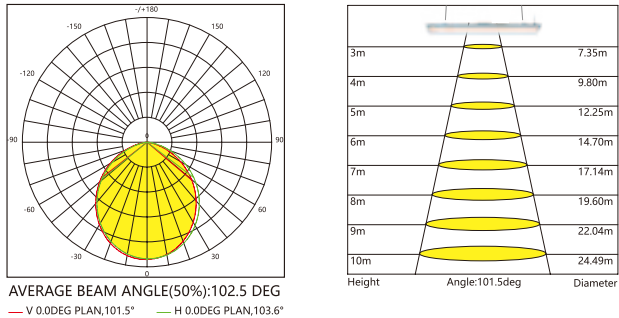


Smart Dimming System

Parameters

Electric Data										
Model	TL-T20-50	TL-T20-60	TL-T20-70	TL-T20-90	TL-T20-100	TL-T20-110	TL-T20-120	TL-T20-150	TL-T20-180	TL-T20-200
Power	50W	60W	70W	90W	100W	110W	120W	150W	180W	200W
Input Voltage	AC 100-277V 50/60Hz (Battery backup optional)									
Photometric Specifications										
Beam Angle	100°									
Luminous Efficiency (±5lm/w)	130lm/w									
CCT	3000K/4000K/5000K/5700K/6500K									
Luminous Flux(±5%)	6250lm	7500lm	8750lm	11700lm	13000lm	14300lm	15600lm	19500lm	23400lm	26000lm
LEDs	Lumileds 2835									
Ra	≥70 (≥80 optional)									
LED Qty	288	288	288	288	288	288	288	576	576	576
Mechanical Specifications										
IP Rate	IP65									
Working Environment	-40°C~ 45°C, ≤ 85%RH									
Storage Temperature	-45°C~ 50°C, ≤ 90%RH									
Body Material	AL6063-T5+Q235									
Lamp Cover Material	Temperaed glass cover									
Dimmable	0-10V/PWM/Sensor									
Lifespan	>50,000 Hours (Ta=30°C@L70)									
N.W.(KG/PCS)	4.5	4.5	4.5	4.5	4.5	4.5	4.5	6	6	6
Lamp Size(mm)	L1205×W156×H165							L1205*W210*H165		

Light Distribution Curve



LED Module

TOCHLIGHTING patented design LED module is developed for integrated outdoor&industrial lighting application. It's high luminous efficiency,optional beam angles and wide power range nearly meet all lighting application requirements.



L16 Street Light



LED Shoebox Light



L13 Street Light



V5 Flood Light



L18 Street Light



L68 Street Light



LED Street Light Module



V6 Flood Light



V18 Stadium Light

M18C 5050 LED Street Light Module (70mm)



Main Features

- Use prefect anodizing aluminum alloy heatsink,improve the service life of radiator.
- Excellent operating temperature -40°C ~ 50°C.
- High performance design with multi-chips package 5050 LED source.Stable performance,low light failure and no dead lights.
- Standard beam angle Type II suitable for most of road lighting.
- High safety,low voltage input voltage is safe for people, which effectively prevents electric shock and electric leakage.
- Easy to assemble and maintain with national standard M15 electrical interface, achieved plugged and play,only need loosening the screw during maintenance.
- Green product,no UV,IR radiation or mercury pollution.Passed IEC62471.
- With excellent housing design reach IP66 rating.
- Life-span over 50,000 hours,5 years warranty.





External Design



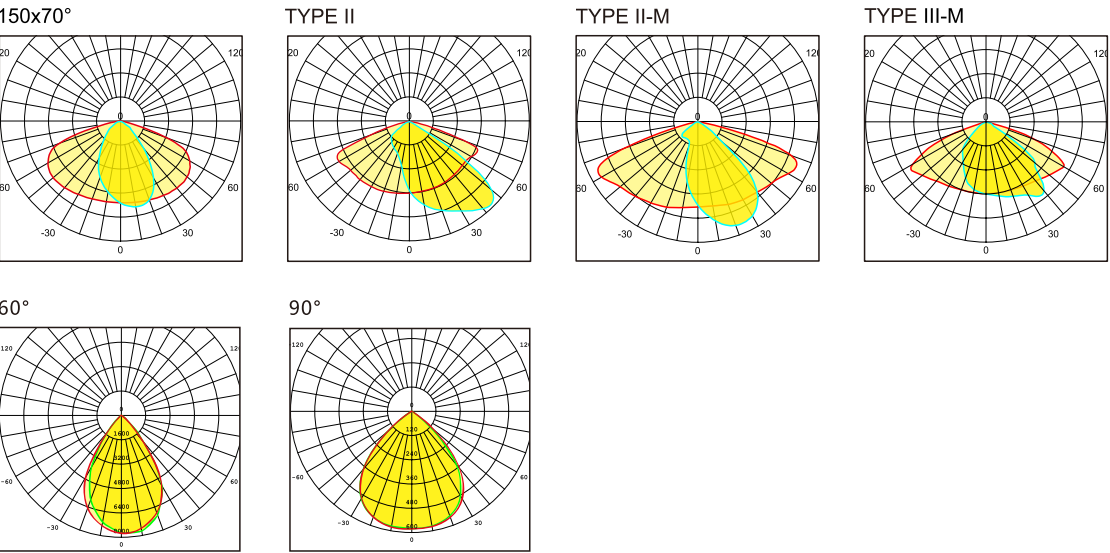
Parameters

Electric Data				
Model	TL-M18C-5050			
Power	30W	40W	50W	60W
Input Voltage	48V			
Input Current	0.63A	0.84A	1.05A	1.25A

Photometric Specifications				
LEDs	5050 LED			
Ra	> 70(>80,>90 optional)			
CCT	3000K/4000K/5000K/6000K			
LED Qty	32pcs			
Luminous Efficiency(±5%) 150x70°/Type III-M/60°/90°	210lm/w	205lm/w	200lm/w	195lm/w
Luminous Efficiency(±5%) Type II/Type II-M	190lm/w	185lm/w	180lm/w	175lm/w

Mechanical Specifications	
IP Rate	IP66
Working Environment	-40°C~50°C,20%~90% RH
Storage Temperature	-45°C~55°C,10%~90% RH
Body Material	Aluminum AL6063-T5
Lens Material	PC
Connector Size	M15
Wire Length	200mm/300mm optional
Module Size(mm)	300x70x37

Light Distribution Curve



5050 LED Street Light Module (70mm)



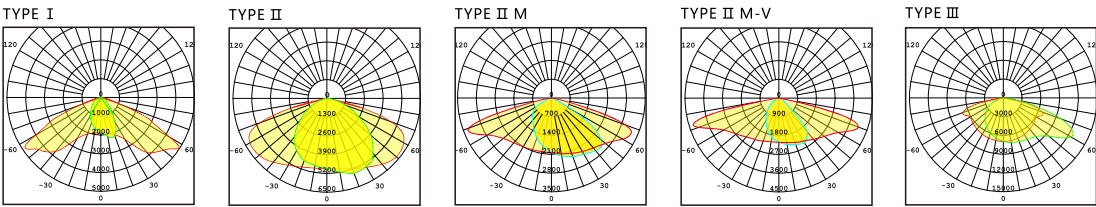
Parameters

Electric Data				
Model	TL-MSL5028-70			
Power	30W	40W	50W	60W
Input Voltage	42-48V			
Input Current	0.7A	0.91A	1.11A	1.31A

Photometric Specifications				
LEDs	5050 LED			
Ra	>70(>80,>90 optional)			
Luminous Efficiency	200lm/w	195lm/w	190lm/w	180lm/w
Luminous Flux(±5%)	6000lm	7800lm	9500lm	10800lm
CCT	3000K/4000K/5000K/6000K			
LED Qty	28pcs			

Mechanical Specifications	
IP Rate	IP66
Working Environment	-40℃~50℃,20%~90% RH
Storage Temperature	-45℃~55℃,10%~90% RH
Body Material	Aluminum6063-T5
Lens Material	PC
Connector Size	M15
Module Size(mm)	300x70x54

Light Distribution Curve





LED Chip

Use customized chip from TOP 5 LED chip manufacturer,delivering high luminous efficiency up to 250lm/w.

Heat Sink

Aluminium Heat sink alloy with powder spraying process. Anti-corrosion,no toxicity or pollution.

Waterproof Connector

IP67 Plug and play connector.

Diffuser

Self-developed patent lens. Super high transmittance lens over 98%.

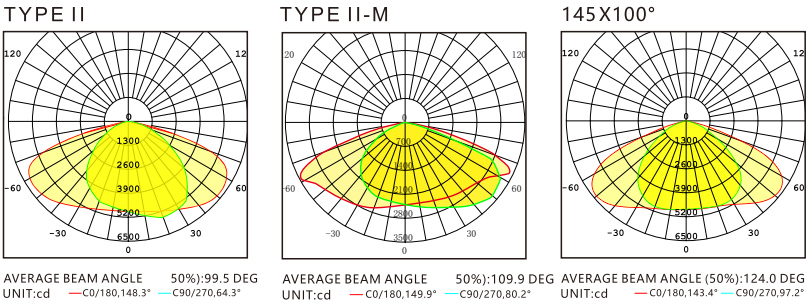
Parameters

Electric Data				
Model	TL-MSL5028-75			
Power	30W	40W	50W	60W
Input Voltage	42-48V			
Input Current	0.72A	0.93A	1.14A	1.33A

Photometric Specifications				
LEDs	5050 LED			
Ra	>70(>80,>90 optional)			
Luminous Efficiency	200lm/w	195lm/w	190lm/w	180lm/w
Luminous Flux(±5%)	6000lm	7800lm	9500lm	10800lm
CCT	3000K/4000K/5000K/6000K			
LED Qty	28pcs			

Mechanical Specifications	
IP Rate	IP66
Working Environment	-40℃~50℃,20%~90% RH
Storage Temperature	-45℃~55℃,10%~90% RH
Body Material	Aluminum6063-T5
Lens Material	PC
Connector Size	M15
Module Size(mm)	300x75x50

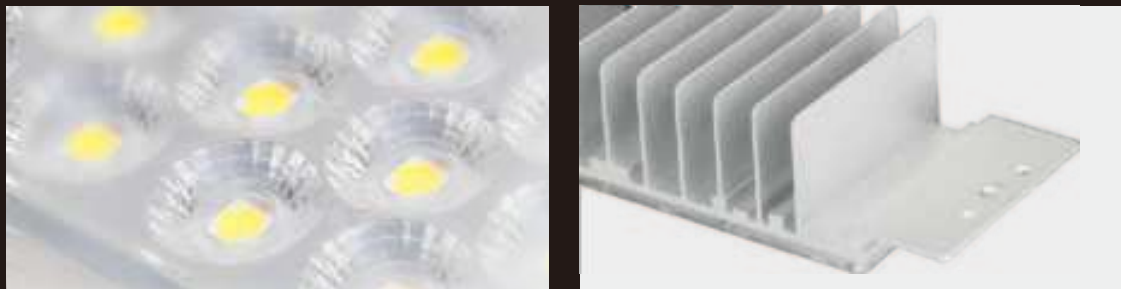
Light Distribution Curve



5050 LED High Bay Light Module (75mm)



External Design



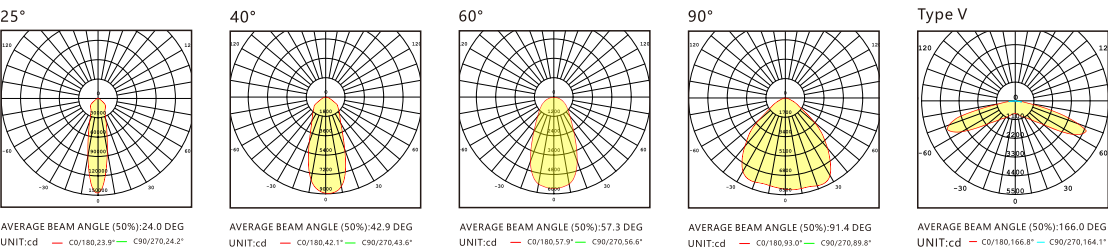
Parameters

Electric Data				
Model	TL-MHB5028-75			
Power	30W	40W	50W	60W
Input Voltage	42-48V			
Input Current	0.72A	0.93A	1.14A	1.33A

Photometric Specifications				
LEDs	5050 LED			
Ra	>70(>80,>90 optional)			
Luminous Efficiency	200lm/w	195lm/w	190lm/w	180lm/w
Luminous Flux(±5%)	6000lm	7800lm	9500lm	10800lm
CCT	3000K/4000K/5000K/6000K			
LED Qty	28pcs			

Mechanical Specifications	
IP Rate	IP67
Working Environment	-40°C~50°C,20%~90% RH
Storage Temperature	-45°C~55°C,10%~90% RH
Body Material	Aluminum6063-T5
Lens Material	PC
Connector Size	M15
Module Size(mm)	300x76x54

Light Distribution Curve



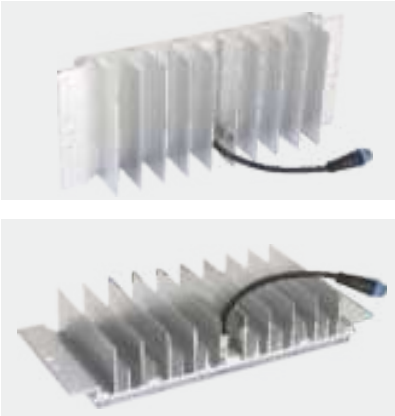
5050 LED Shoebox Light Module (120mm)



Features

- Various photometric lens
- Excellent heat dissipation

External Design



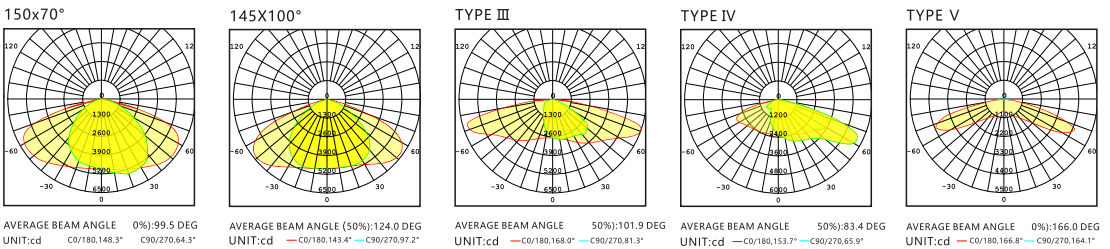
Parameters

Electric Data				
Model	TL-MSL5042			
Power	50W	60W	70W	80W
Input Voltage	42-48V			
Input Current	1.16A	1.36A	1.56A	1.74A

Photometric Specifications				
LEDs	5050 LED			
Ra	>70(>80,>90 optional)			
Luminous Efficiency	195lm/w	190lm/w	185lm/w	180lm/w
Luminous Flux(±5%)	9750lm	11400lm	12950lm	14400lm
CCT	3000K/4000K/5000K/6000K			
LED Qty	42pcs			

Mechanical Specifications	
IP Rate	IP66
Working Environment	-40℃~50℃,20%~90% RH
Storage Temperature	-45℃~55℃,10%~90% RH
Body Material	Aluminum6063-T5
Lens Material	PC
Connector Size	M15
Module Size(mm)	300x120x58

Light Distribution Curve



8778 Series Street Light Module (Vertical)



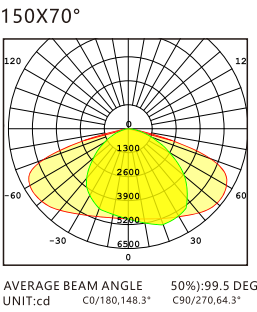
Parameters

Electric Data			
Model	TL-MSL5030-150		
Power	30W	40W	50W
Input Voltage	42-48V		
Input Current	0.7A	0.91A	1.11A

Photometric Specifications			
LEDs	5050 LED		
Ra	>70(>80,>90 optional)		
Luminous Efficiency	200lm/w	195lm/w	190lm/w
Luminous Flux(±5%)	6000lm	7800lm	9500lm
CCT	3000K/4000K/5000K/6000K		
LED Qty	30pcs		

Mechanical Specifications	
IP Rate	IP66
Working Environment	-40℃~50℃,20%~90% RH
Storage Temperature	-45℃~55℃,10%~90% RH
Body Material	Aluminum6063-T5
Lens Material	PC
Connector Size	M15
Module Size(mm)	172x150x42

Light Distribution Curve



M17 5050 LED Light Module(72mm)



LED Chip

Use customized chip from TOP 5 LED chip manufacturer,delivering high luminous efficiency up to 250lm/w.

Diffuser

Self-developed patent lens. Super high transmittance lens over 98%.

Technics

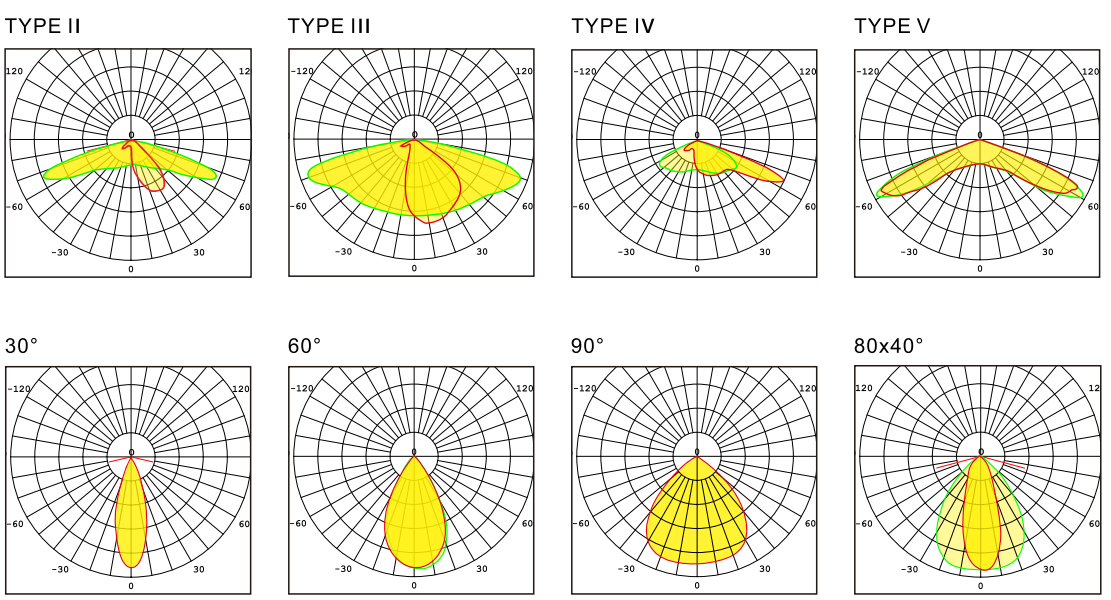
The anodizing aluminium alloy material with smooth surface processing.



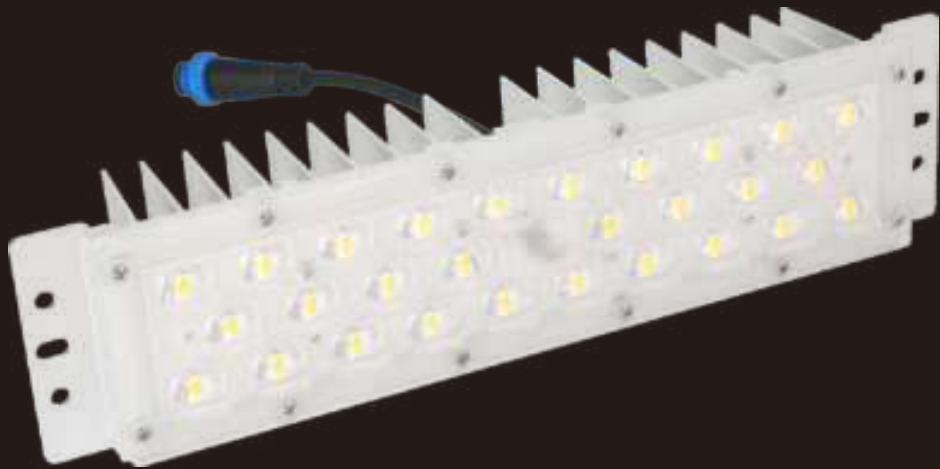
Parameters

Electric Data				
Model	TL-M175012			
Power	12W	20W	30W	40W
Input Voltage	48V			
Input Current	0.25A	0.42A	0.36A	0.83A
Photometric Specifications				
LEDs	5050 LED			
Ra	>70(>80,>90 optional)			
Luminous Efficiency	185lm/w	175lm/w	165lm/w	155lm/w
Luminous Flux(±5%)	2220lm	3500lm	4950lm	6200lm
CCT	3000K/4000K/5000K/6000K			
LED Qty	12pcs			
Mechanical Specifications				
IP Rate	IP66			
Working Environment	-40℃~50℃,20%~90% RH			
Storage Temperature	-45℃~55℃,10%~90% RH			
Body Material	Aluminum6063-T5			
Lens Material	PC			
Connector Size	M15			
Module Size(mm)	200x72x55			

Light Distribution Curve



M30 LED Light Module



Parameters

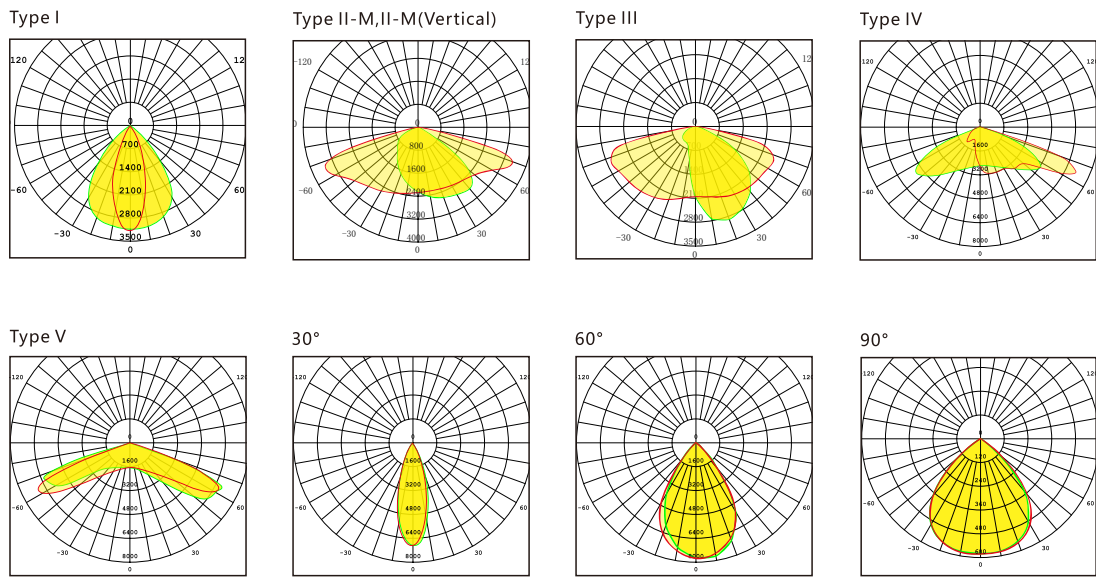
Electric Data				
Model	TL-M30			
Power	30W	40W	50W	60W
Input Voltage	48V			
Input Current	0.63A	0.84A	1.05A	1.25A
Photometric Specifications				
LEDs	5050 LED			
Ra	>70(>80,>90 optional)			
Luminous Efficiency	190lm/w	180lm/w	170lm/w	160lm/w
Luminous Flux(±5%)	5700lm	7200lm	8500lm	9600lm
CCT	3000K/4000K/5000K/6000K			
LED Qty	28pcs			
Mechanical Specifications				
IP Rate	IP66/IK10			
Working Environment	-40℃~50℃,20%~90% RH			
Storage Temperature	-45℃~55℃,10%~90% RH			
Lens Material	PC			
Connector Size	M15			
Module Size(mm)	300x70x52.7			

Application

External Design



Light Distribution Curve



M37 LED Light Module

Built-in LED driver design

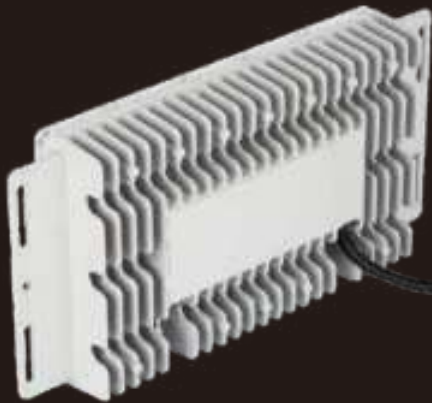
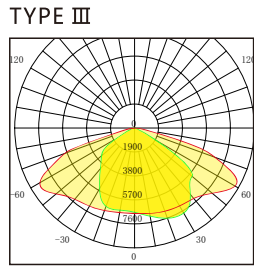


Parameters

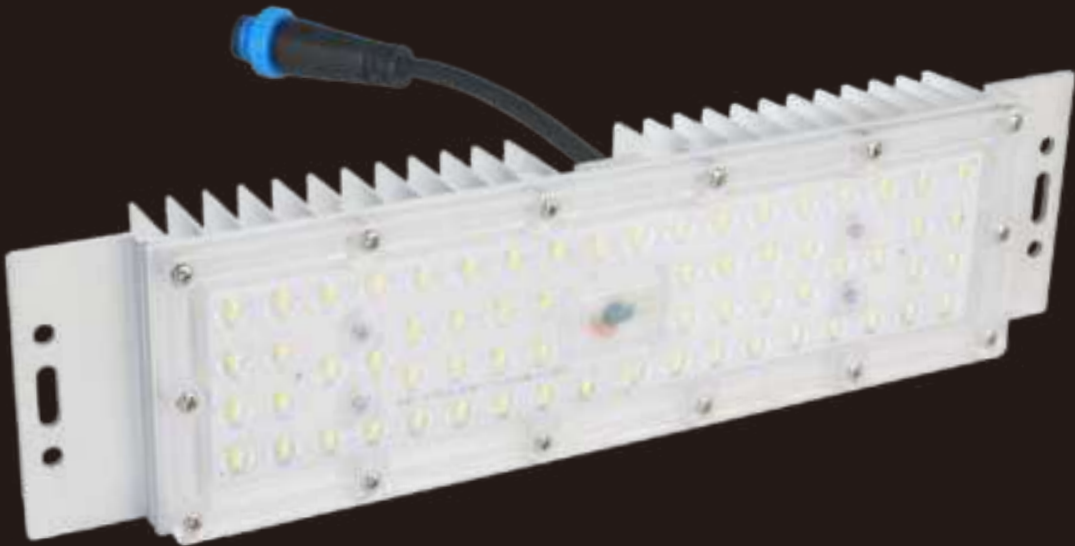
Electric Data			
Model	TL-M37		
Power	100W	120W	150W
Input Voltage	AC120-277V,50/60Hz		
Photometric Specifications			
LEDs	3030/5050 LED		
Ra	>70		
Luminous Efficiency	130-140lm/w(3030),150-160lm/w(5050)		
Luminous Flux(3030)	13500lm	16200lm	20250lm
Luminous Flux(5050)	15500lm	18600lm	22500lm
CCT	3000K/4000K/5000K/6000K		
LED Qty(3030)	140pcs	200pcs	240pcs
LED Qty(5050)	60pcs	60pcs	75pcs
Mechanical Specifications			
IP Rate	IP66/IK10		
Working Environment	-40°C~50°C,20%~90% RH		
Storage Temperature	-45°C~55°C,10%~90% RH		
Body Material	ADC12		
Lens Material	PC		
Cable Length	600mm (M15 connector optional)		
Module Size(mm)	300x146x43(100W)	300x146x47(120W-150W)	

Application

Light Distribution Curve



M18C 3030 LED Street Light Module (70mm)



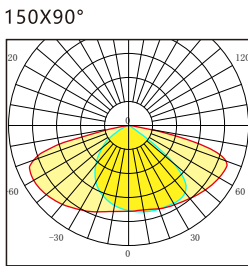
Parameters

Electric Data				
Model	TL-M18C-3030			
Power	30W	40W	50W	60W
Input Voltage	48V			
Input Current	0.6A	0.8A	1A	1.2A

Photometric Specifications				
LEDs	3030 LED			
Ra	>70(>80,>90 optional)			
Luminous Efficiency	180lm/w	175lm/w	170lm/w	165lm/w
Luminous Flux(±5%)	5400lm	7000lm	8500lm	9900lm
CCT	3000K/4000K/5000K/6000K			
LED Qty	64pcs			

Mechanical Specifications	
IP Rate	IP66
Working Environment	-40°C~50°C,20%~90% RH
Storage Temperature	-45°C~55°C,10%~90% RH
Body Material	Aluminum AL6063-T5
Lens Material	PC
Connector Size	M15
Module Size(mm)	300x70x37

Light Distribution Curve



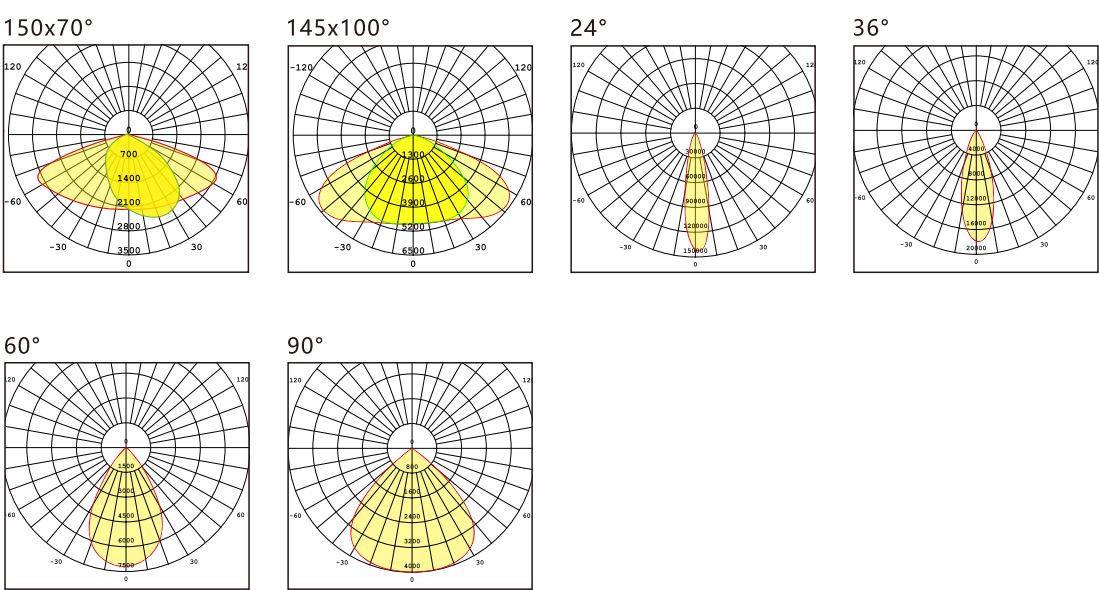
M13 3030 LED Light Module(70mm)



Parameters

Electric Data						
Model	TL-M13					
Power	30W	40W	50W	50W	60W	60W
Input Voltage	36V	36V	42V/48V	30V/36V	42V/48V	30V/36V
Input Current	0.83A	1.11A	1.20A/1.04A	1.67A/1.39A	1.43A/1.25A	2A/1.67A
Photometric Specifications						
LEDs	3030 LED					
Ra	>70(>80,>90 optional)					
Luminous Efficiency	170lm/w	165lm/w	170lm/w	170lm/w	165lm/w	165lm/w
Luminous Flux(±5%)	4950lm	6400lm	7750lm	7750lm	9000lm	9000lm
CCT	3000K/4000K/5000K/6000K					
LED Qty	42pcs	42pcs	64pcs	60pcs	64pcs	60pcs
Mechanical Specifications						
IP Rate	IP66					
Working Environment	-40℃~50℃,20%~90% RH					
Storage Temperature	-45℃~55℃,10%~90% RH					
Body Material	Aluminum 6063-T5					
Lens Material	PC					
Connector Size	M15					
Module Size(mm)	300x70x47					

Light Distribution Curve



M14 3030 LED Light Module(70mm)



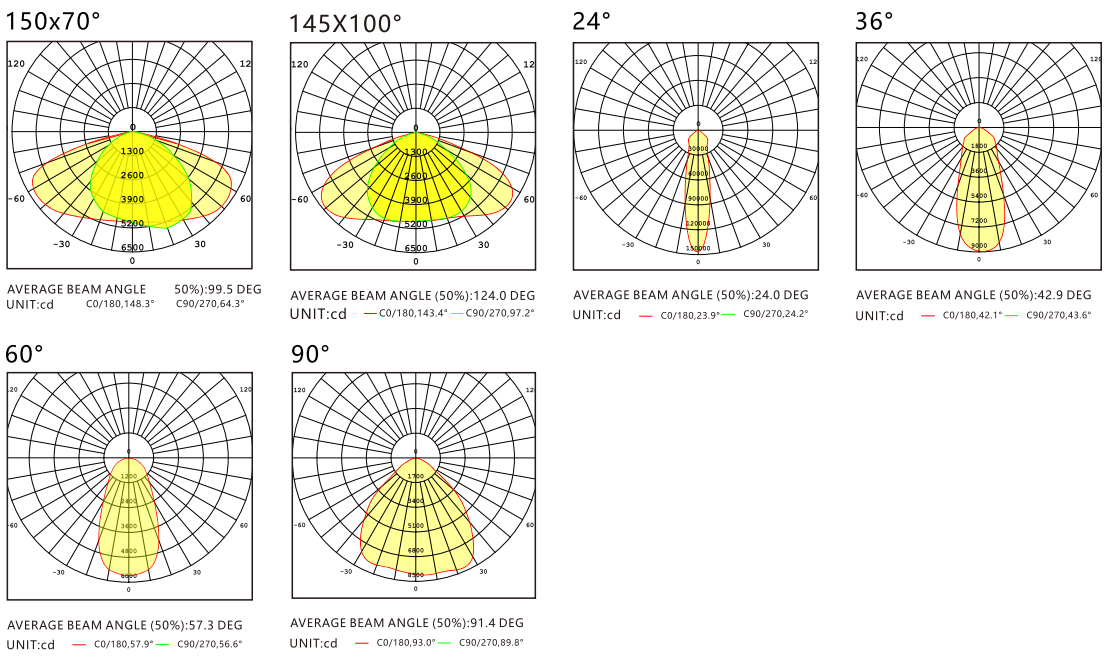
Parameters

Electric Data						
Model	TL-M14					
Power	30W	40W	50W	50W	60W	60W
Input Voltage	36V	36V	42V/48V	30V/36V	42V/48V	30V/36V
Input Current	0.83A	1.11A	1.20A/1.04A	1.67A/1.39A	1.43A/1.25A	2A/1.67A

Photometric Specifications						
LEDs	3030 LED					
Ra	>70(>80,>90 optional)					
Luminous Efficiency	170lm/w	165lm/w	170lm/w	170lm/w	165lm/w	165lm/w
Luminous Flux(±5%)	4950lm	6400lm	7750lm	7750lm	9000lm	9000lm
CCT	3000K/4000K/5000K/6000K					
LED Qty	42pcs	42pcs	64pcs	60pcs	64pcs	60pcs

Mechanical Specifications	
IP Rate	IP66
Working Environment	-40℃~50℃,20%~90% RH
Storage Temperature	-45℃~55℃,10%~90% RH
Body Material	Aluminum 6063-T5
Lens Material	PC
Connector Size	M15
Module Size(mm)	300x70x47

Light Distribution Curve



Round LED Street Light Module



- Fin type desig with optical PC lens provide IP66 rate under super heat dissipation.
- Excellent operating temperature -40°C ~ 50°C.
- Customized structure design could be matched with traditional light source under standard housing fixture.

M32



M33



Parameters

Electric Data		
Model	TL-M32-10-15-3030	TL-M33-25-30-3030
Power	10W	25W
Input Voltage	30V	30V
Input Current	0.34A	0.83A

Photometric Specifications		
LEDs	3030 LED	3030 LED
Ra	>70	>70(>80,>90 optional)
Luminous Efficiency	120lm/w	120lm/w
Luminous Flux(±5%)	1200lm	3000lm
CCT	3000K/4000K/5000K/6000K	3000K/4000K/5000K/6000K
LED Qty	15pcs	30pcs

Mechanical Specifications		
IP Rate	IP66	IP66
Working Environment	-40°C~50°C,20%~90% RH	-40°C~50°C,20%~90% RH
Storage Temperature	-45°C~55°C,10%~90% RH	-45°C~55°C,10%~90% RH
Body Material	Aluminum6063-T5	Aluminum6063-T5
Lens Material	PC	PC
Connector Size	M15	M15
Module Size(mm)	Ø75xH75	Ø100xH98.5

Light Distribution Curve

