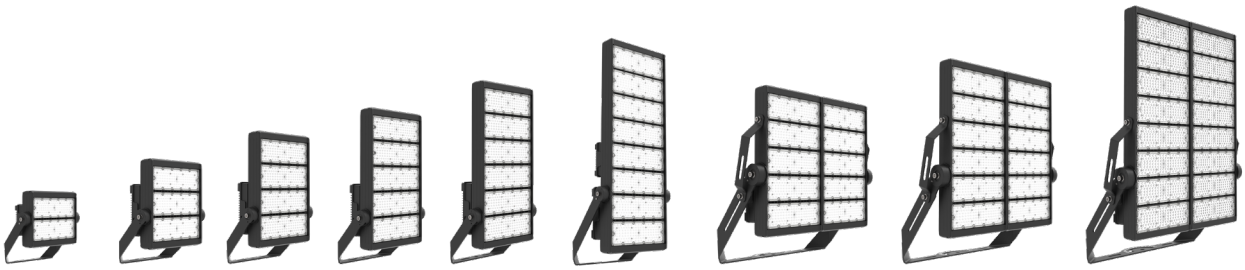


3605 Star Spot Stadium Light

200W /300W /400W /500W /600W /800W /1000W /1200W /1500W /1600W

Features

Highly energy efficient - up to 150 lm/W
IP66 for indoor and outdoor use under all conditions
Robust and modern design
Long lifetime due to high quality LED chips and drivers
10KV Surge Protection
5 Years warranty

Options

CRI>80
480V high voltage driver
20KV Surge Protection upgrade
1-10V dimmable & DALI dimmable

Area of application

Sports
Storage yards
Car dealerships
Parking areas
Other outdoors application

Certificates

CE, RoHS, RCM, SAA, TUV

The 3605 Star Spot Stadium Light is designed for industrial and commercial lighting harboring the newest LED lighting technology for a wide range of applications. High grade materials and perfect workmanship provide excellent cooling abilities, low maintenance costs and a long lifespan. The enormous light output and the high efficiency make this modular high bay an ideal replacement for all sorts of traditional industrial lamps.

Basic Specifications

Standard lumen (140lm/W)

Model	Nominal wattages (W)	Nominal voltage	Rated luminous efficacy (lm/w)	Nominal luminous flux (lumen)	Beam Angle	LED Quantity	CRI
3605-200W	200W	AC100~277V 50~60Hz	140±10	28000±2000	30°\60°\90°\ 30*70°\40*130°	224 PCS EMC 3030	>70
3605-300W	300W		140±10	42000±3000		336 PCS EMC 3030	
3605-400W	400W		140±10	56000±4000		448 PCS EMC 3030	
3605-500W	500W		140±10	70000±5000		560 PCS EMC 3030	
3605-600W	600W		140±10	84000±6000		672 PCS EMC 3030	
3605-800W	800W		140±10	112000±8000		896 PCS EMC 3030	
3605-1000W	1000W		140±10	140000±10000		1120 PCS EMC 3030	
3605-1200W	1200W		140±10	168000±12000		1344 PCS EMC 3030	
3605-1500W	1500W		145±10	217000±15000		1792 PCS EMC 3030	
3605-1600W	1600W		140±10	224000±16000		1792 PCS EMC 3030	

Standard lumen (150lm/W)

Model	Nominal wattages (W)	Nominal voltage	Rated luminous efficacy (lm/w)	Nominal luminous flux (lumen)	Beam Angle	LED Quantity	CRI
3605-200W	200W	AC100~277V 50~60Hz	150±10	30000±2000	15°	92 PCS EMC 5050	>70
3605-300W	300W		150±10	45000±3000		138 PCS EMC 5050	
3605-400W	400W		150±10	60000±4000		184 PCS EMC 5050	
3605-500W	500W		150±10	75000±5000		230 PCS EMC 5050	
3605-600W	600W		150±10	90000±6000		276 PCS EMC 5050	
3605-800W	800W		150±10	120000±8000		368 PCS EMC 5050	
3605-1000W	1000W		150±10	150000±10000		460 PCS EMC 5050	
3605-1200W	1200W		150±10	180000±12000		552 PCS EMC 5050	
3605-1500W	1500W		155±10	232000±15000		736 PCS EMC 5050	
3605-1600W	1600W		150±10	240000±16000		736 PCS EMC 5050	

Standard lumen (125lm/W)

Model	Nominal wattages (W)	Nominal voltage	Rated luminous efficacy (lm/w)	Nominal luminous flux (lumen)	Beam Angle	LED Quantity	CRI
3605-200W	200W	AC100~277V 50~60Hz	125±10	25000±2000	10°	64 PCS 5W 3535	>70
3605-300W	300W		125±10	37500±3000		96 PCS 5W 3535	
3605-400W	400W		125±10	50000±4000		128 PCS 5W 3535	
3605-500W	500W		125±10	62500±5000		160 PCS 5W 3535	
3605-600W	600W		125±10	75000±6000		192 PCS 5W 3535	
3605-800W	800W		125±10	100000±8000		256 PCS 5W 3535	
3605-1000W	1000W		125±10	125000±10000		320 PCS 5W 3535	
3605-1200W	1200W		125±10	150000±12000		384 PCS 5W 3535	
3605-1500W	1500W		125±10	187500±15000		512 PCS 5W 3535	
3605-1600W	1600W		125±10	200000±16000		512 PCS 5W 3535	

Electrical data

Operating frequency	47-63HZ
Type of current	AC100-277V\100-350V \277-480V
Power factor λ	>0.9
Efficiency in %	>90%
Start time (0.2s / 0.5s / …)	0.1S
Warm-up time to 60 % (1.5s / 2s / …)	0.5S

Photometrical data

Available light colors	warm white;natural white; daylight white
Available color temperatures	3000K;4000K;5000K;6000K
Color rendering index Ra	>70
Standard deviation of color matching	<6
UGR (Unified Glare Rating)	<27
Available beam angles	10°/15°/30°/60°/90°/30*70°/40*130°

Standards & Certification

Type of protection	IP66
Tested dielectric strength	3.75KVac
Safety features	Open circuit protection; short circuit protection ; overvoltage protection
Certificates	CE，RoHS，RCM，SAA，TUV
Energy efficiency class	A+ & A++

Temperatures & operating conditions

Heatsink temperature	5~+70℃
Ambient temperature	-30~+45℃
Storage temperature	-40~+80℃

Lifespan

Rated nominal Lifetime	5 Years
Switching cycles	100,000 times
Lumen maintenance at e.o.l.	70%

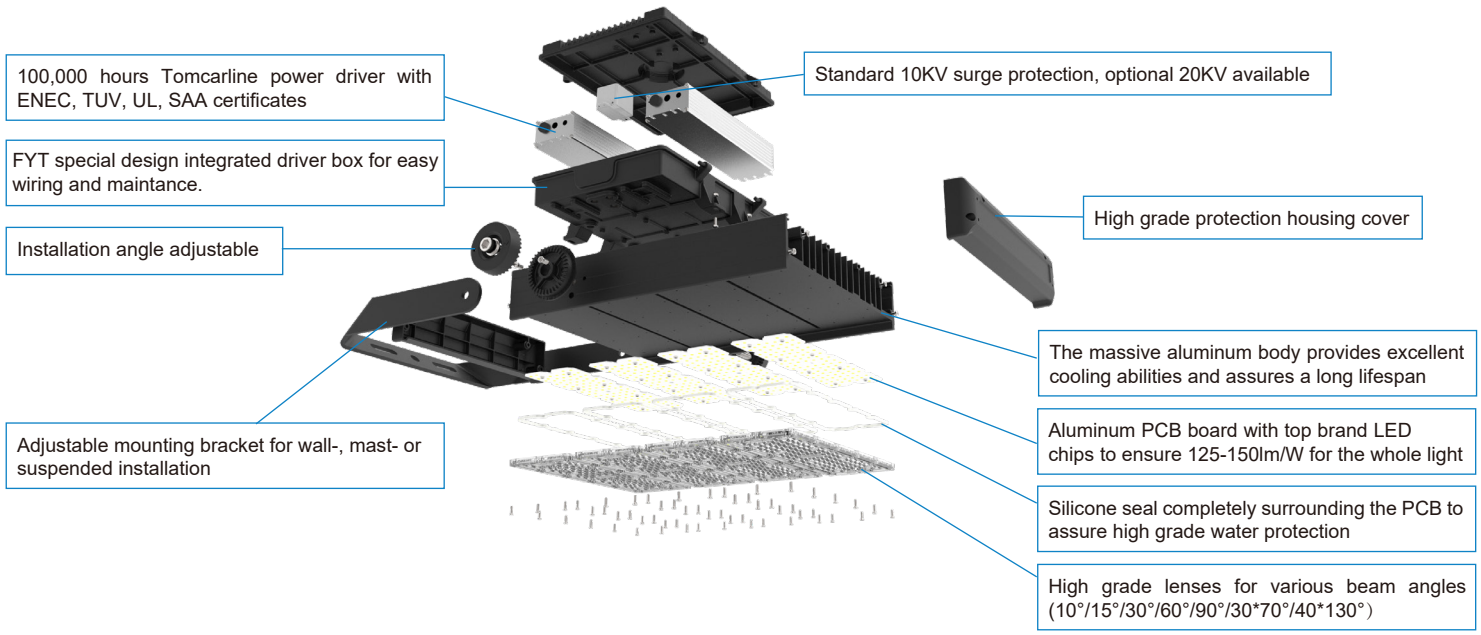
Features/Capabilities and additional product data

Base/Socket	Directly wired
Dimmable	1-10V Dimmable, DALI Dimmable

Packing Informatiom

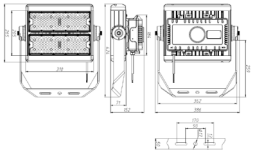
Model	Dimension(MM)	CTN SIZE(CM)	QTY/CTN	Net Weight/pcs(kg)	Gross Weight /CTN(kg)
3605-200W	444*386*152	50*42*20	1PCS	8.5	10.5
3605-300W	549*386*152	61*42*20	1PCS	11.2	13.5
3605-400W	654*386*152	71*42*20	1PCS	13.5	16
3605-500W	759*386*152	81*42*20	1PCS	15.5	18.2
3605-600W	864*386*152	91*42*20	1PCS	17.8	20.8
3605-800W	1074*386*152	112*42*20	1PCS	24.6	28.6
3605-1000W	877*732*163	95*80*22	1PCS	32.8	37.6
3605-1200W	982*732*163	105*80*22	1PCS	38.6	44.6
3605-1500W/1600W	1192*732*163	126*80*22	1PCS	49.6	57.8

Exploded drawing

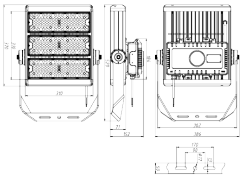


Dimension (mm)

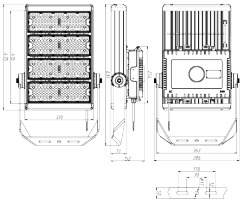
3605-200W



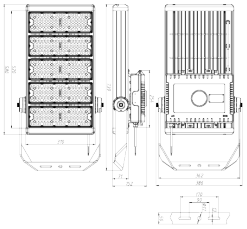
3605-300W



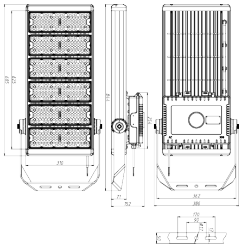
3605-400W



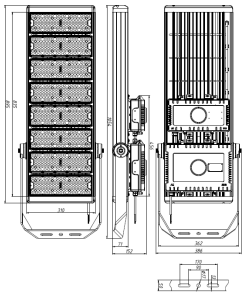
3605-500W



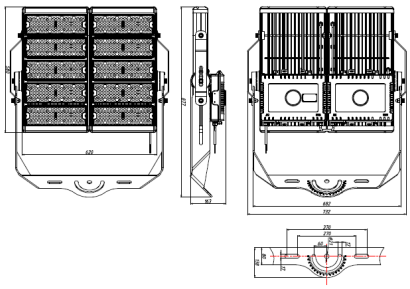
3605-600W



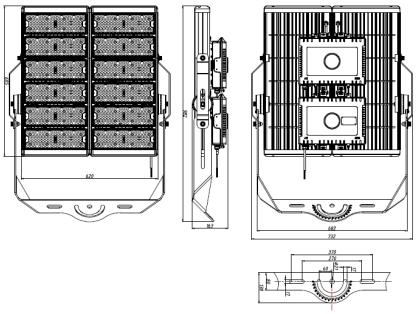
3605-800W



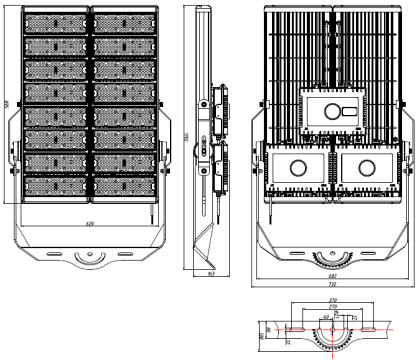
3605-1000W



3605-1200W



3605-1500W/1600W

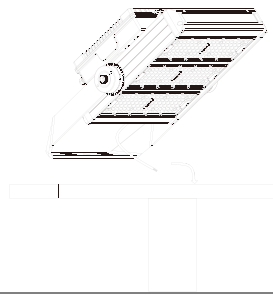


Application and safety notes

- Carefully read and follow all warnings and instructions before installing or servicing the luminaire.
- The installation should be done by an individual familiar with the construction and operation of the luminaire.
- The installation of this luminaire must be in accordance with national and local building and electrical codes.
- The product must not be damaged or operated in a damaged condition.
- This luminaire must be directly wired on line. Any ballast or other power device previously used with the replaced luminaire must be removed.
- Between the luminaire and any possibly flammable material must be an appropriate safety space (at least 20cm).
- The luminaire must not be covered with heat insulating materials.
- Always provide proper ventilation around the luminaire and do not exceed the maximum ambient temperature.
- Compared to traditional lights the characteristic light distribution of this LED luminaire may differ. In order to be sure to meet your lighting requirements a photometric check of the installation is recommended.

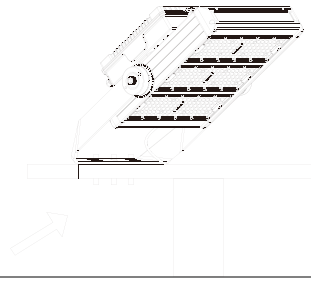
Installation Instructions

①



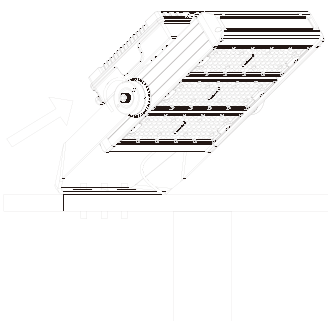
Thread the cable into the pole

②



Mount the luminaire on the top of the pole

③



Adjust the required installation angle

④

Connect the cable to the power line

Maintenance

- To avoid injuries, disconnect power to the light and allow the unit to cool down before performing maintenance.
  Warning: No user serviceable parts inside. Risk of electric shock. Removal of the cover will void the warranty.

- Perform visual, mechanical and electrical inspections on a regular basis. We recommend routine checks to be made on an annual basis. Frequency of use and environment should determine this/

- The PC cover should be cleaned periodically as needed to ensure continued photometric performance. Clean the PC cover with a damp, non-abrasive, lint-free cloth. If not sufficient, use mild soap or a liquid cleaner. Do not use an abrasive, strong alkaline or acid cleaner as damage may occur.

- Inspect the cooling surfaces and fins on the luminaire to ensure that they are free of any obstructions or contamination (i.e. excessive dust build-up). Clean with a non-abrasive cloth if needed.