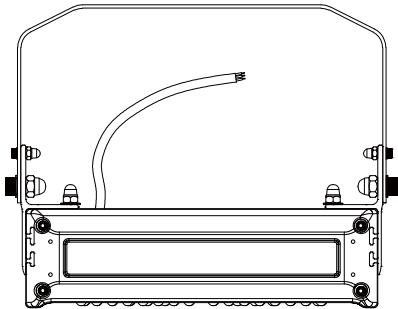




FYTLED



## High Mast & Flood light

Highly energy efficient – up to 130 lm/w

120W/180W/240W/300W/500W/1000W

### Features

Highly energy efficient – up to 130 lm/w

High Luminous flux – up to 130000 lm

IP65 for indoor and outdoor use under all conditions

Available up to 1000W

D-Mark tested for the use in paper production, wood processing etc.

5 Years warranty

### Options

Various beam angle options: 12° , 30° , 60° , 60° x90° ,90° x120°

Optional Mean well driver available

1–10V dimmable and DALI up to the 240W model available

Microwave motion sensor up to the 240W model available

Zigbee is up to the 240W model available

### Area of application

Highways and parking lots

Loading areas and freight yards

Ports and airports

Sporting venues

Industrial plants & power plants

### Certificates

American market: **UL**, **DLC Premium**, **cUL**

European market: **TUV**, **GS**, **CB**, **CE** (EMC, LVD, RoHS), **D-Mark**, **ENEC**

Australian market: **SAA**, **C-Tick**, **RCM**



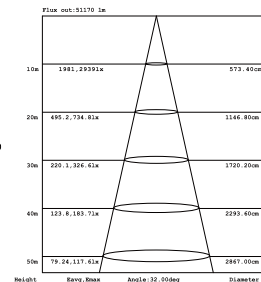
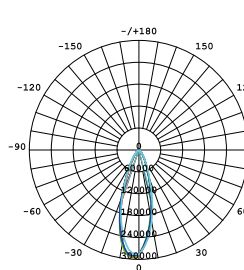
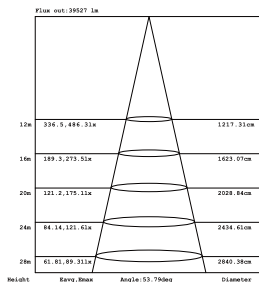
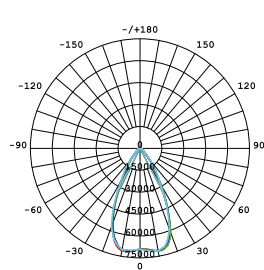
**The** HIFocus T36B is a modern and stylish LED high mast light for a very wide range of applications. It is mend to be used for sporting venues, freight yards, airports, commercial parking lots and shopping centers. With 130lm/w and up to 130000 lumen it can truly shine a light even in the darkest corners. Various beam angles through different lenses, high quality PHILIPS SMD3030 LED chips and advanced driver technology provide a perfectly homogeneous light distribution and a long lifespan. It is flexibly configurable and easy to install. Thanks to the high protection grade of IP65 it can be used indoor and outdoor even under harsh conditions.



## Light Distribution Curve and Average E (LX) Figure--5000K

500W/60°

1000W/30°



## Basic Specifications

Model	Nominal Wattages (W)	Nominal Voltage	Rated luminous efficacy (lm/w)	Nominal luminous flux (lumen)	Beam Angle	LED Quantity	CRI
T36B-120W	120	AC 100~277V 50~60Hz	130±5	15000±600	30°/60°/90°/ 30*70°/60*90°/ 90°*120°	112PCS EMC 3030	> 70Ra
T36B-180W	180		130±5	23400±900		168PCS EMC 3030	
T36B-240W	240		130±5	31000±1200		224PCS EMC 3030	
T36B-300W	300		130±5	39000±1500		280PCS EMC 3030	
T36B-500W	500		130±5	65000±2500		448PCS EMC 3030	
T36B-1000W	1000		130±5	130000±5000		896PCS EMC 3030	

## 12° beam angle

Model	Nominal Wattages (W)	Nominal Voltage	Rated luminous efficacy (lm/w)	Nominal luminous flux (lumen)	Beam Angle	LED Quantity	CRI
T36B-300W	300	AC 100~277V 50~60Hz	110±5	33000±3000lm	12°	112PCS SEQUIL 5W SMD3535	> 70 Ra
T36B-500W	500		110±5	55000±5000lm		168PCS SEQUIL 5W SMD3535	
T36B-1000W	1000		110±5	110000±10000lm		336PCS SEQUIL 5W SMD3535	

## Electrical datas

Operating frequency	47-63HZ	Available light colors	Warm white; Natural white; daylight white
Type of current	AC 100~277V	Available color temperatures	3000K; 4000K; 5000K; 6000K
Power factor λ	>0.9	Color rendering index Ra	>70
Efficiency in %	>92%	Standard deviation of color matching	<3
Start time (0.2s / 0.5s / ...)	0.1S	UGR (Unified Glare Rating)	<27
Warm-up time to 60 % (1.5s / 2s / ...)	0.5S	Available beam angles	12°/30°/60°/90°/30*70°/60*90°

## Photometrical data

## Standards & Certification

Type of protection	IP65	Heatsink temperature	-20~+65℃
Tested dielectric strength	3.75KVac	Ambient temperature	-30~+50℃
Safety features	Open circuit protection; Short circuit protection; Over voltage protection	Storage temperature	-40~+80℃
Certificates	American market: UL, DLC Premium, dUL European market: TUV, GS, CB, CE, RoHS Australian market: SAA, Click, RCM		
Energy efficiency class	A++		

## Temperatures & operating conditions

## Lifespan

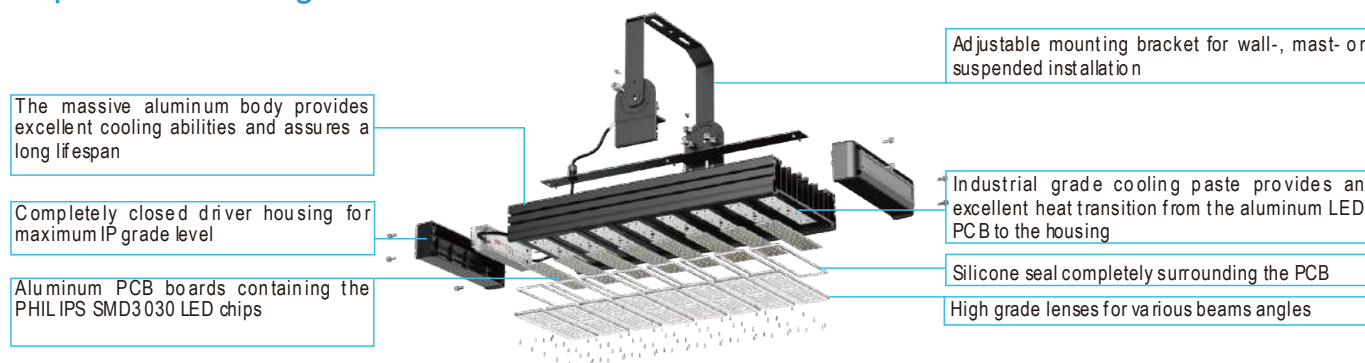
Rated nominal Lifetime	50.000 hours	Base/Socket	Directly wired
Switching cycles	100.000 times	Dimmable	1-10V dimmable, DALI dimmable
Lumen maintenance at e.o.l.	80%		
LED Device Lifetime	L80/B10 @50.000H		

## Features/Capabilities and additional product data

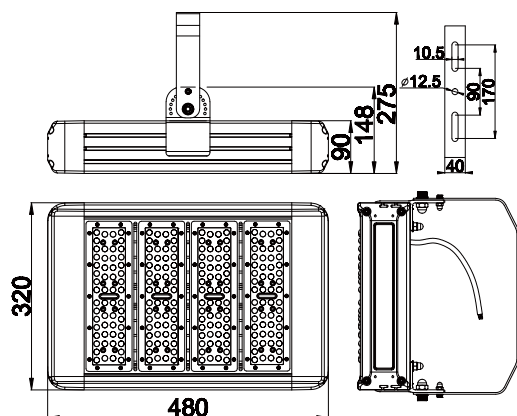
## Packing Information

Model	Dimension	CTN SIZE(CM)	QTY/CTN	Net Weight/pcs(kg)	Gross Weight /CTN(kg)
T36B-120W	300*363*372	35*39*24	1PCS	7.8	9.3
T36B-180W	390*363*372	44*39*24	1PCS	9.5	11.5
T36B-240W	480*363*372	53*39*24	1PCS	10.8	13.8
T36B-300W	570*363*372	62*39*24	1PCS	13.2	16.5
T36B-500W	840*363*372	89*39*24	1PCS	18.5	22.3
T36B-1000W	840*768*522	89*79*24	1PCS	38.5	43.5

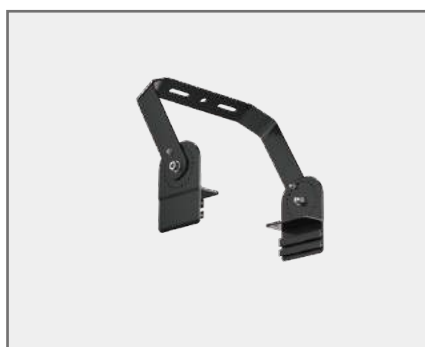
## Exploded drawing



## Dimension (mm)



## Included accessories



This stable mounting bracket for wall, – mast– or suspend installation is included in the delivery. It can be easily adjusted to any required installation angel.



This stable mounting bracket for wall, – mast– or suspend installation is included in the delivery. It can be easily adjusted to any required installation angel.

## Optional accessories



We can provide Zigbee controller & receiver for this product. Technical details and pricing upon request.



The Optional Merrytek microwave motion sensor has a detection range of around 15m and an IP grade of IP65. Pricing upon request.



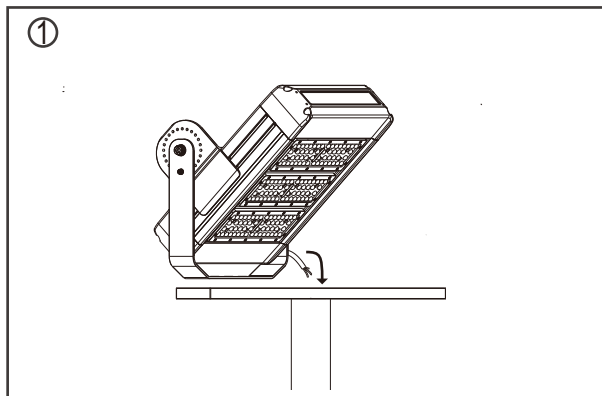
Up to the 240W model we can provide Zigbee controller & receiver for this product. Technical details and pricing upon request.

## Application and safety notes

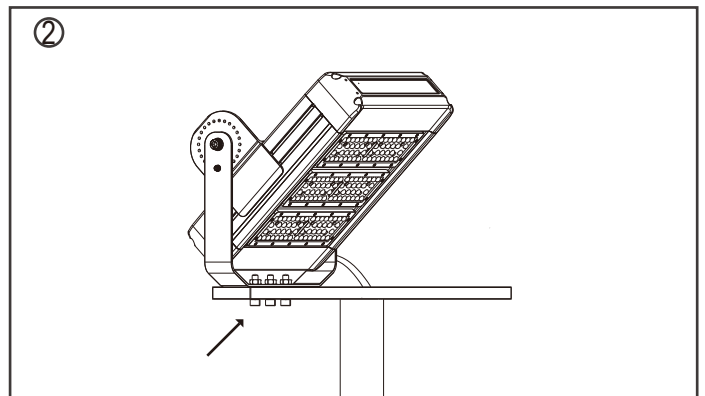
- Carefully read and follow all warnings and instructions before installing or servicing the luminaire.
- The installation should be done by an individual familiar with the construction and operation of the luminaire.
- The installation of this luminaire must be in accordance with national and local 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.

## Instructions for hook installation

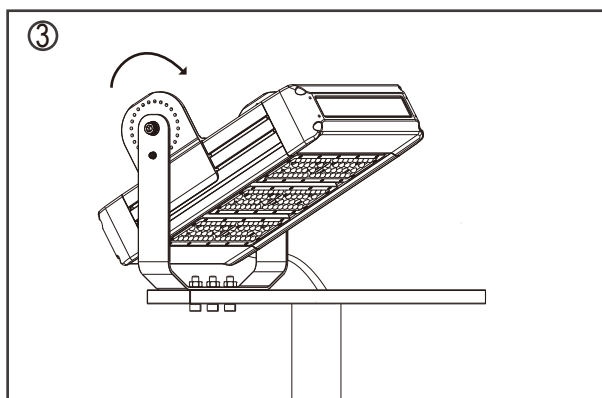
- The modification must be done by qualified personal
- Before you start make sure that the supply voltage is disconnected so you can work safely
- Move the luminaire to the top of the pole and thread in the prolonged cable into the pole
- Mount the luminaire tightly on the pole top
- Adjust the required installation angel
- Open the socket of the pole and connect the cable to the power line



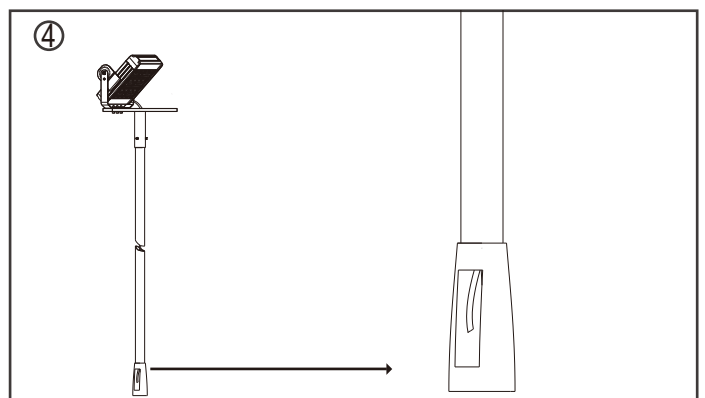
Thread the cable into the pole



Mount the luminaire on the top of the pole



Adjust the required installation angel



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 lens 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 lens should be cleaned periodically as needed to ensure continued photometric performance. Clean the lens 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.

All statements, technical information and recommendations contained in this document are based on information and tests we believe to be reliable. The accuracy or completeness thereof is not guaranteed. We reserve the right to revise or update this document without notice. Since the conditions of use are outside our control, the purchaser should determine the suitability of the product for its intended use and assumes all risk and liability whatsoever in connection therewith.