

## BA EcoMax T56 Tri-Proof Light (Linkable Version)

20W / 30W / 40W / 60W / 75W / 80W / 110W

### Features

- Highly energy efficient – up to 135 lm/w
- High Luminous flux – up to 14.300lm
- Quick Snap Lock for tool free wiring and fast installation
- Linkable one by one as continuous line
- IP65 rated for all indoor and outdoor conditions
- 5 Years warranty

### Options

- 1–10V dimmable and DALI dimmable
- CRI 90 Ra available upon request
- Microwave motion sensor available

### Area of application

- Factories and production areas
- Parking facilities, corridors and hallways
- Warehouses and storage rooms

### Certificates

European market: **ENEC**, **TUV**, **CE**, **RoHS**, **CB**

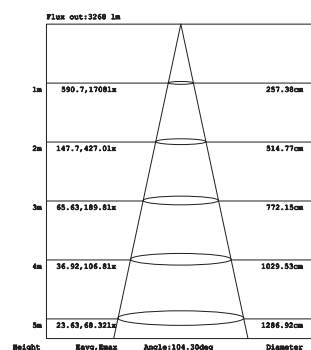
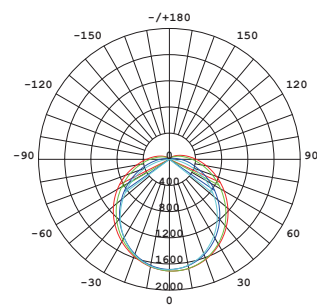


The T56 is a highly durable and robust Tri-Proof light designed for production areas, parking facilities and any other area of application where harsh conditions have to be countered. Its polycarbonate housing is cast from a single mold and therefor absolutely dust and waterproof. Its Ingress Protection rating of IP65 assures that it can truly be used indoor and outdoor under all conditions. Improved end-caps featuring a Quick-Snap system allow for tool-free wiring and assure a very fast and almost effortless installation. A massive internal aluminum core provides stability and assures good thermal conditions for up to 480 pcs of 0.5W SMD2835 chips as well as the internal isolated power driver. This modern and efficient Tri-Proof light is available in several wattages starting from 20W up to 110W.

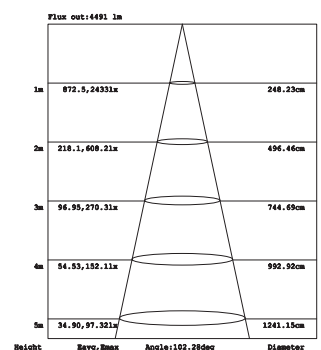
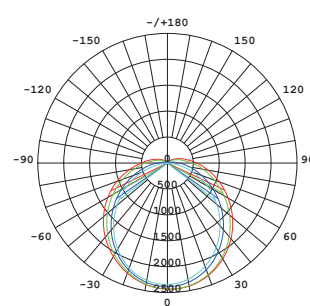


## Light Distribution Curve and Average E (LX) Figure---5000K

40W12 CW



60W 15CW



## Basic Specifications

Standard lumen (125lm~135lm/W)

Model	Nominal Wattages (W)	Nominal Voltage	Rated luminous efficacy (lm/w)	Nominal luminous flux (lumen)	Beam Angle	LED Quantity	CRI
T56-20W06	20W	AC100~277V 50~60 Hz	135±5	2700±100	120°	120 PCS 0.5W 2835	>80Ra
T56-30W06	30W		130±5	3900±150		120 PCS 0.5W 2835	
T56-40W12	40W		135±5	5400±200		240 PCS 0.5W 2835	
T56-60W12	60W		130±5	7800±300		240 PCS 0.5W 2835	
T56-60W15	60W		135±5	8100±300		336 PCS 0.5W 2835	
T56-75W15	75W		130±5	9700±400		336 PCS 0.5W 2835	
T56-80W24	80W		135±5	10800±400		480 PCS 0.5W 2835	
T56-110W24	110W		130±5	14300±500		480 PCS 0.5W 2835	

## 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	>80
Efficiency in %	>92%	Standard deviation of color matching	<5
Start time (0.2s / 0.5s / ...)	0.1S	UGR (Unified Glare Rating)	<23
Warm-up time to 60 % (1.5s / 2s / ...)	0.5S	Available beam angles	120°

## Photometrical data

## Standards & Certification

Type of protection	IP65	Heatsink temperature	-20~+60℃
Tested dielectric strength	3.75KVac	Ambient temperature	-30~+50℃
Safety features features	Open circuit protection; Short circuit protection; Overvoltage protection	Storage temperature	-40~+80℃
Certificates	ENEC, TUV, CE, RoHS, CB, UL, cUL, DLC Premium, SAA, 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		

## Features/Capabilities and additional product data

## Packing Information

Model	Dimension (MM)	CTN SIZE(CM)	QTY/CTN	Net Weight/pcs( kg)	Gross Weight /CTN(kg)
T56-20W06/T56-30W06	690*71*73	76*35*22	6PCS	0.9	8.5
T56-40W12/T56-60W12	1300*71*73	137*35*22	6PCS	2	15.5
T56-60W15/T56-75W15	1600*71*73	167*35*22	6PCS	2.4	17.5
T56-80W24/T56-110W24	2500*71*73	257*24*22	4PCS	3.8	19.5

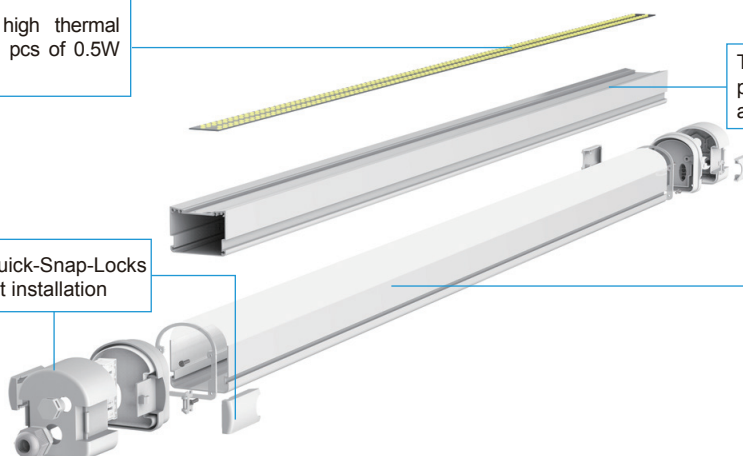
## Exploded drawing

Aluminum PCB with a high thermal conductivity for up to 480 pcs of 0.5W SMD2835 LED chips

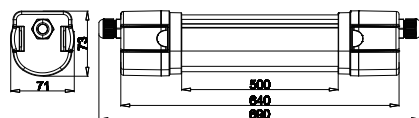
This massive internal aluminum core provides excellent heat dissipation and maximum stability

The end-caps feature Quick-Snap-Locks for tool-free wiring and fast installation

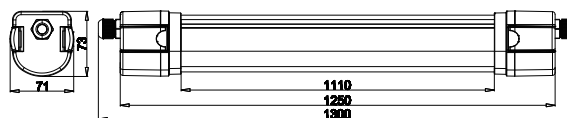
The polycarbonate housing is cast from a single mold (cover cannot be removed) and therefore absolutely dust and water proof with an IP65 rating



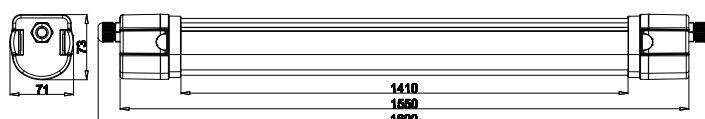
## Dimension (mm)



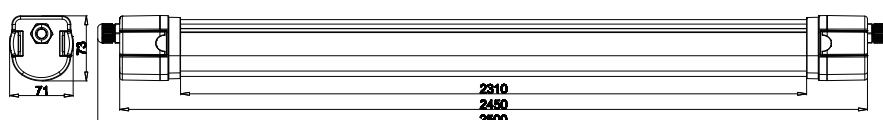
T56-20W06/T56-30W06



T56-40W12/T56-60W12



T56-60W15/T56-75W15



T56-80W24/T56-110W24

## 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.

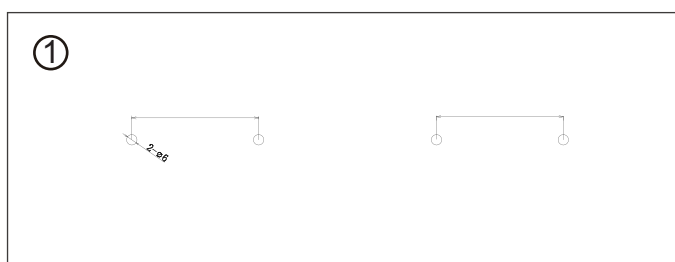
## Installation

The maximum number of quantity for linkable installation:

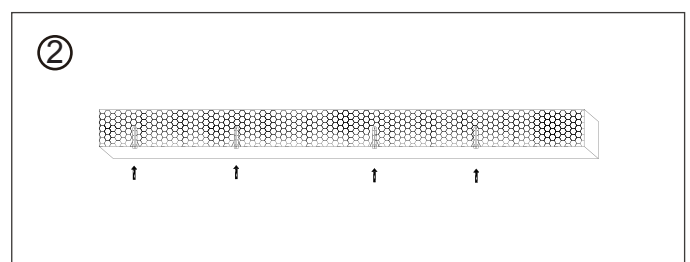
(linkable version is not available for 2.4m model)

Watt	Voltage	Quantity
20W	120 Vac	36 PCS
	230 Vac	70 PCS
	277 Vac	84 PCS
40W	120 Vac	18 PCS
	230 Vac	35 PCS
	277 Vac	42 PCS
60W	120 Vac	12 PCS
	230 Vac	23 PCS
	277 Vac	28 PCS
75W	120 Vac	9 PCS
	230 Vac	18 PCS
	277 Vac	22 PCS

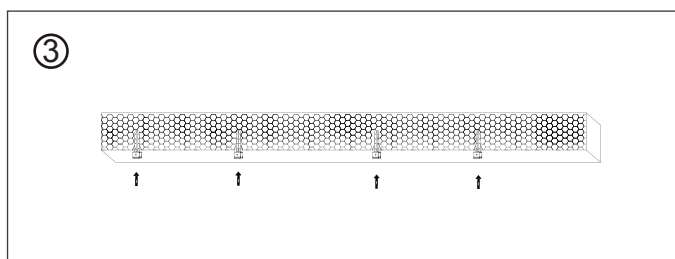
## Installation Instructions for linkable use



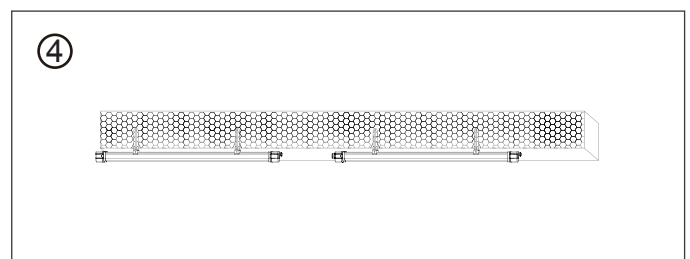
Drill holes in the ceiling/wall



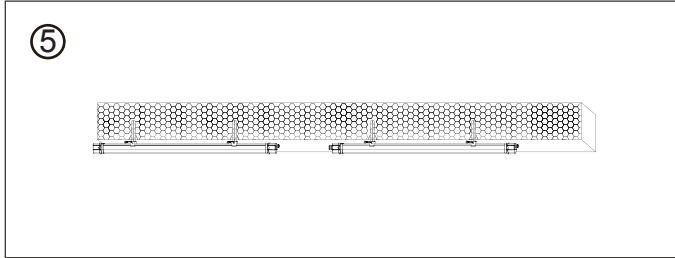
Put in dowels



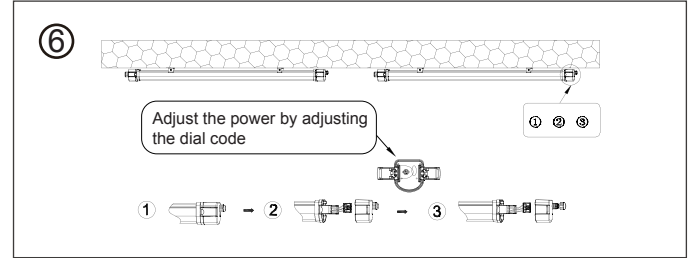
Screw on the mounting clamp



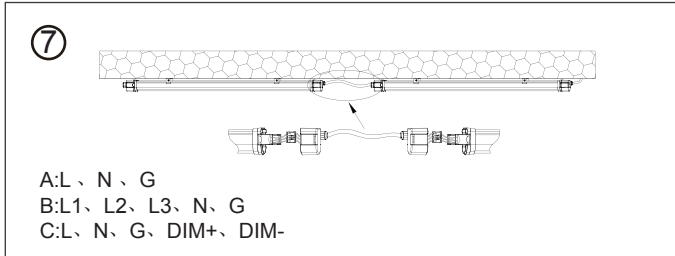
Install the fixture on the clamps



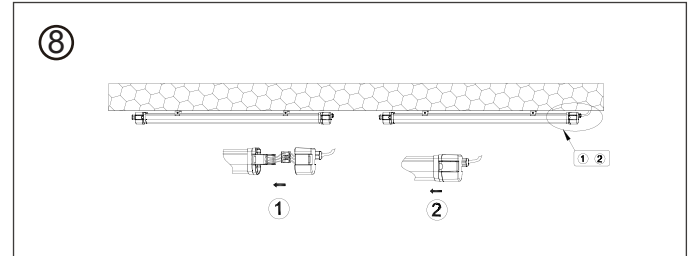
Use PM4\*60mm screws and M4 nut to lock the clamps in order to fix lamps.



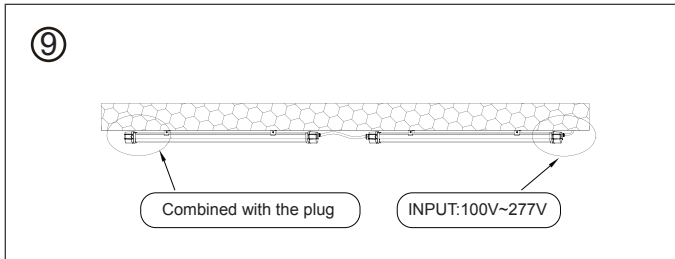
Open the quick-snap lock, loose the M16 water-proof screws, connect AC(Dial code can be used to adjust power)



Terminal provides 3 options of connections: A: B : C



Put the fixture end-cap right back, lock the buckle



Insert the plug to the lamp and connect the input power supply 100-277V AC.

## Maintenance

- To avoid injuries, disconnect power to the light and allow the unit to cool down before performing maintenance.
- 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 cover 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 topside on the luminaire to ensure that it is free of any obstructions or contamination (i.e. excessive dust build-up). Clean with a non-abrasive cloth if needed.

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