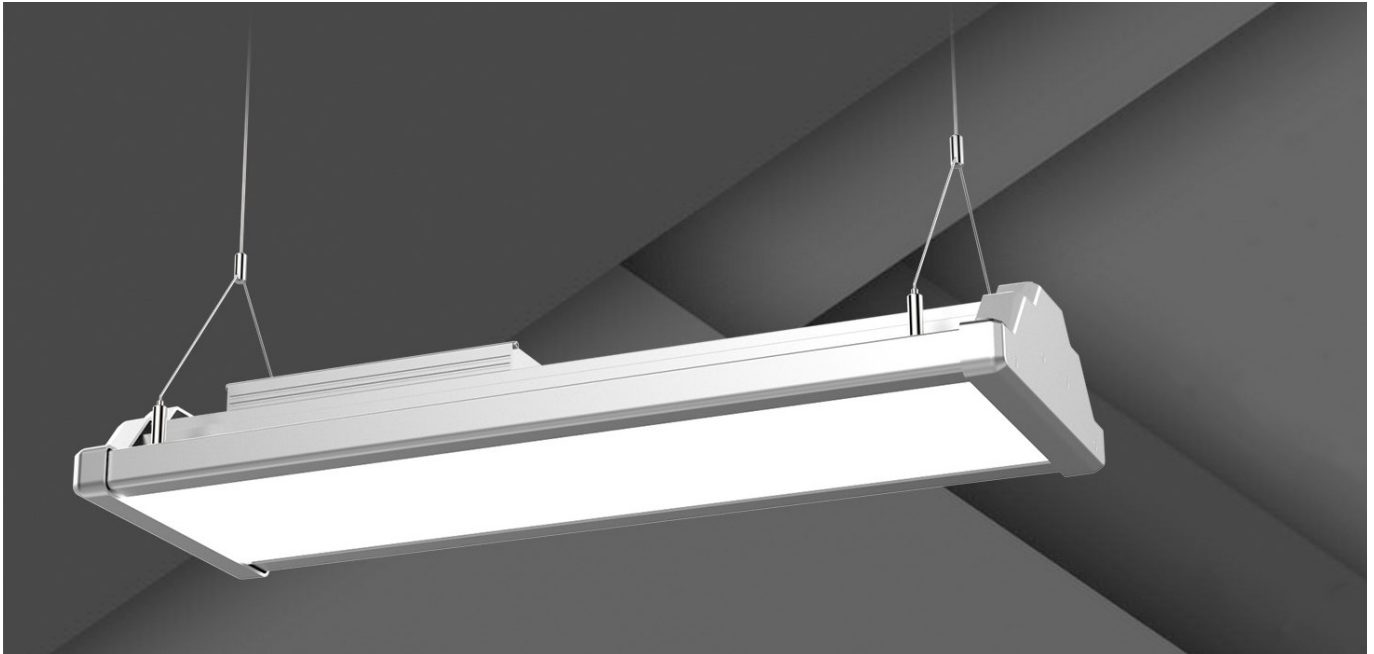


## Telesto - LED Linear Highbay



100W / 150W / 200W / 320W

### Features

- Extremely energy efficient - up to 170 lm/w
- High Luminous Flux - up to 54,400 lm
- Strong and durable anodised aluminium housing
- Superior thermal properties
- Durable and flicker-free power driver
- IP42 for indoor usage
- No UV or IR and completely mercury free
- 5 or 10 years warranty

### Applications

- Factories and warehouses
- High rooms and halls
- Exhibitions and showrooms

### Options

- 1-10V dimmable and DALI dimmable
- CRI 80 Ra available upon request
- Clear and Frosted cover available
- Internal microwave motion sensor available
- Zigbee available upon request

### Certification

- European market: CE, EMC, LVD, RoHS
- American market: UL, DLC

The Telesto LED Linear Highbay is an excellent choice for many industrial areas. Its notably high system efficiency will maximise your rebates for energy companies and government rebate programs. With up to 320W and about 170lm/w (with clear cover), these fixtures can truly enlighten any workspace. The housing is made out of anodised aluminium and therefore very corrosion resistant. While the actual footprint of this fixture is relatively small, its total surface area is notably large because of its many cooling fins, which assure optimal heat dissipation and a long lifespan. With up to 840pcs of 0.5W SMD2835 chips for the 130lm/w version and up to 630pcs of 1W EMC3030 chips for the 160lm/w version, this fixture shows a very harmonic light distribution and very little light decay over time. Upon request, internal motion sensors can be provided as well as 1-10V dimmable and DALI dimmable.

## Specifications

Standard lumen (130lm/W)

Model	Nominal Wattages	Nominal Voltage	Rated Luminous Efficacy (lm/w)	Nominal Luminous Flux (lumen)	Beam Angle	LED Quantity	CRI
TEL-100W04	100	AC100~277V 50~60Hz	130±10	13000±1000	110°	252 PCS SMD 2835	>80Ra
TEL-150W06	150		130±10	19500±1500		420 PCS SMD 2835	
TEL-200W08	200		130±10	26000±2000		588 PCS SMD 2835	
TEL-320W12	320		130±10	41600±3000		840 PCS SMD 2835	

Lumen Plus (170lm/W)

Model	Nominal Wattages	Nominal Voltage	Rated Luminous Efficacy (lm/w)	Nominal Luminous Flux (lumen)	Beam Angle	LED Quantity	CRI
TEL-100W04	100	AC100~277V 50~60Hz	160±10	16000±1000	110°	378 PCS EMC 3030	>70Ra
TEL-150W06	150		160±10	24000±1500		546 PCS EMC 3030	
TEL-200W08	200		160±10	32000±2000		714 PCS EMC 3030	
TEL-320W12	320		160±10	51200±3000		1134 PCS EMC 3030	

## Electrical Data

Operating frequency	47-63Hz
Type of current	AC 100~277V
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 colours	Warm white, Natural white, Daylight white
Available colour temperatures	3000K, 4000K, 5000K, 6000K
Colour rendering index (Ra)	>80
Standard deviation of colour matching	<5
UGR (Unified Glare Rating)	<27
Available beam angles	110°

## Standards & Certification

Type of protection	IP42
Tested dielectric strength	3.75KVac
Safety features	Open circuit protection Short circuit protection Overvoltage protection
Certificates	CE, UL, DLC
Energy efficiency class	A++

## Temperatures & Operating Conditions

Operating temperature	-20~+60°C
Ambient temperature	-30~+50°C
Storage temperature	-40~+80°

\*All specifications subject to change without notice.

## Lifespan

<b>Rated nominal lifetime</b>	50,000 / 100,000 hours
<b>Switching cycles</b>	100,000 times
<b>Lumen maintenance at e.o.l.</b>	80%
<b>LED device lifetime</b>	L80/B10 / L70/B50

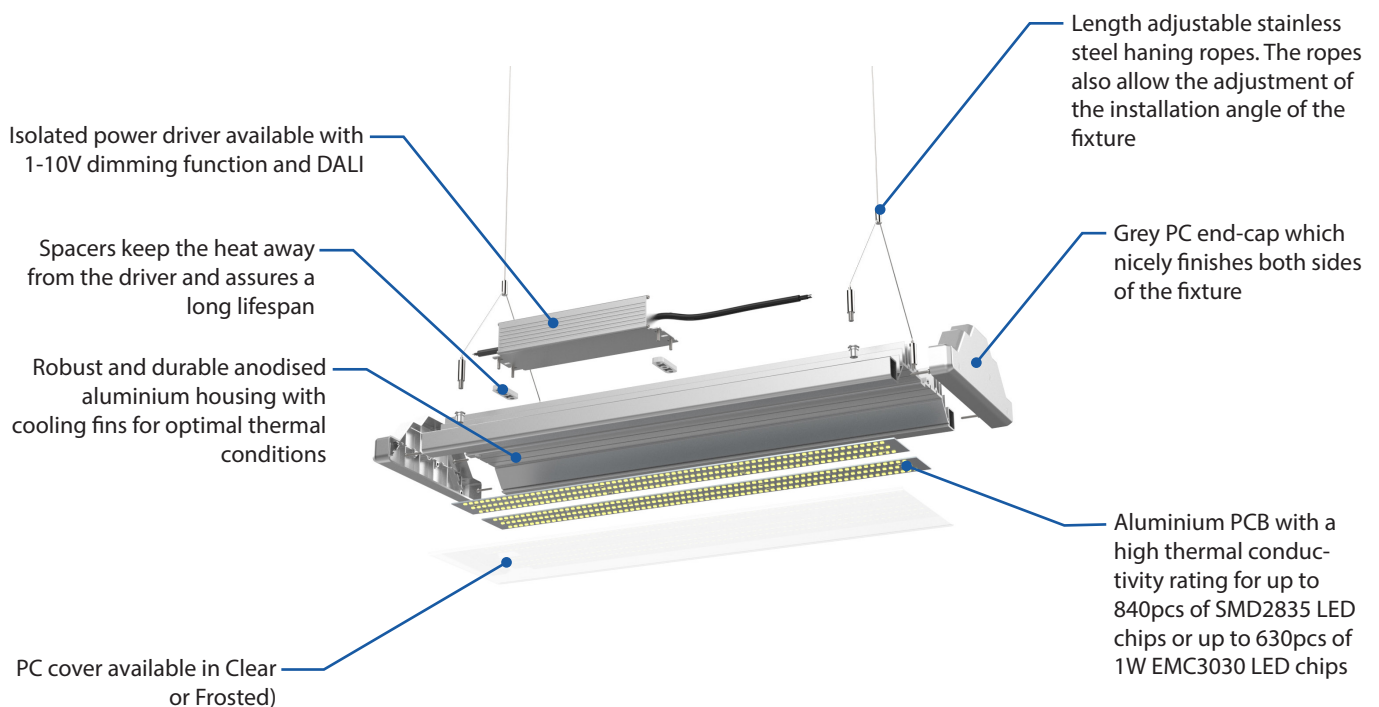
## Features / Capabilities & Additional Product Data

<b>Base / Socket</b>	Directly wired
<b>Dimmable</b>	1-10V dimmable, DALI dimmable

## Packing Information

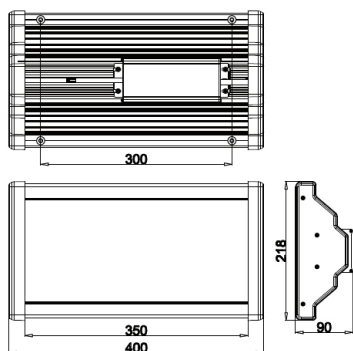
Model	Dimensions (mm)	CTN Size (cm)	QTY / CTN	Net Weight / pcs (kg)	Gross Weight / CTN (kg)
TEL-100W04	400*218*90	97*26*15	2PCS	3	8
TEL-150W06	600*218*90	127*26*15	2PCS	4	10.5
TEL-200W08	810*218*90	97*26*15	1PC	5	7.5
TEL-320W12	1210*218*90	127*26*15	1PC	7.5	10

## Exploded Drawing

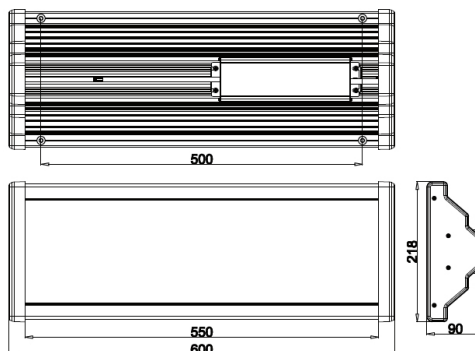


## Dimensions (mm)

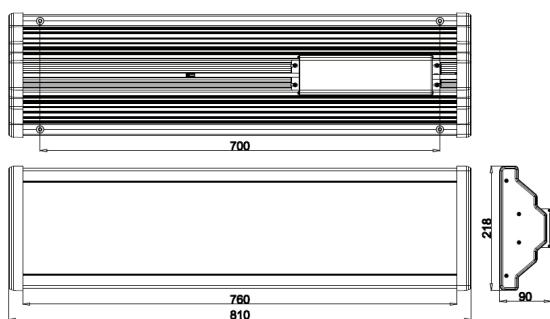
TEL-100W



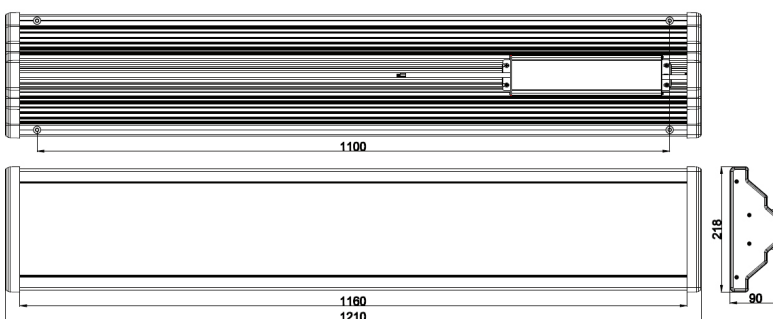
TEL-150W



TEL-200W



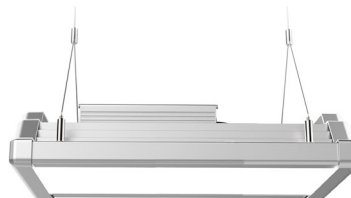
TEL-320W



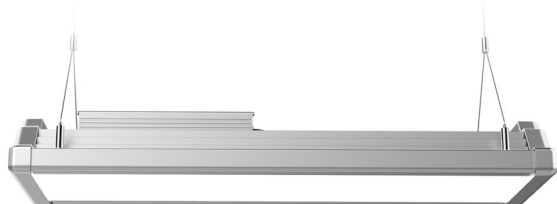
## Model Images



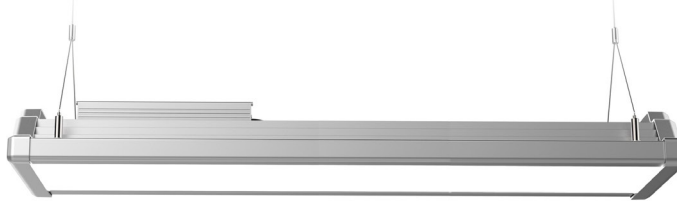
TEL-100W



TEL-150W



TEL-200W



TEL-320W

## Application & 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 to the mains. Any ballast or other power device previously used with the replaced luminaire must be removed.
- Between the luminaire and any possible flammable material, there 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.

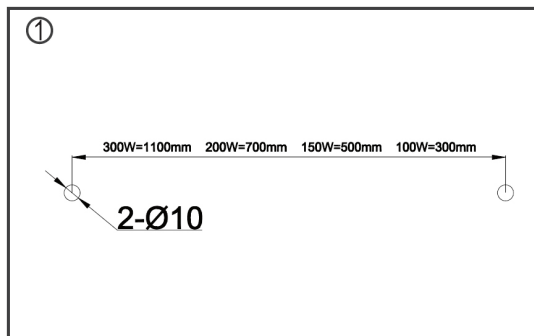
## Maintenance

- 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 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 topside on the luminaire to ensure that it is free of any obstructions or contaminations (i.e. excessive dust build-up). Clean with a non-abrasive cloth if needed.

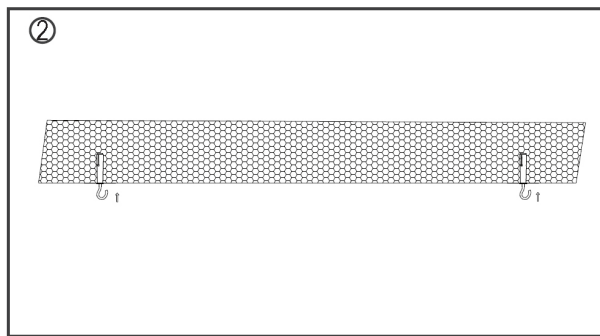
[Installation instructions overleaf...](#)

## Installation Instructions For Single Use

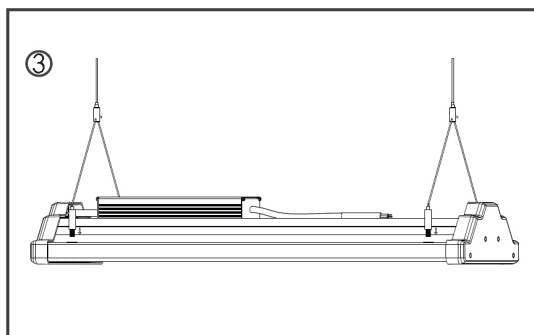
1. Drill two holes in the ceiling at the position you want the fixture to be installed.
2. Insert the dowels and screw in the mounting hooks
3. Screw the rope onto the back of the fixture into the thread locks.
4. Hang the fixture on the hooks and adjust the length of the rope.
5. Connect the power wire to the mains.



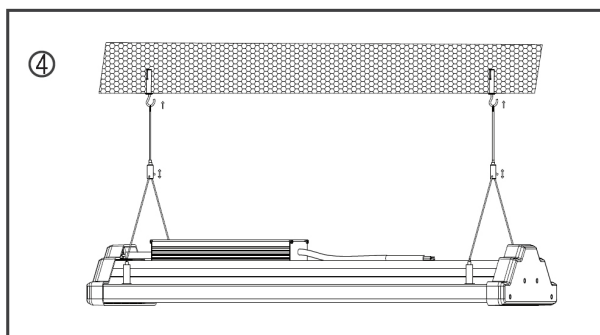
Drill holes in the ceiling



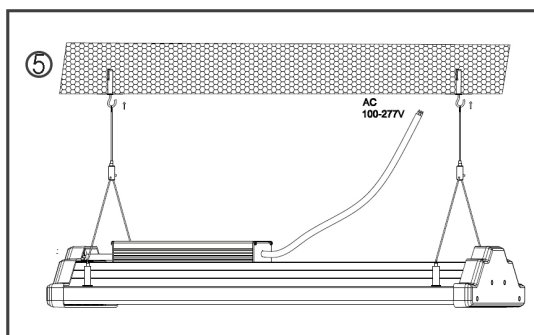
Insert the dowels and screw in the hooks



Screw the rope onto the back of the fixture



Hang the fixture on the hooks and adjust the length of the ropes



Connect the power wire to the mains

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