

# SKY- LINE LINEAR HIGHBAY SERIES



100W / 150W / 200W / 320W

## Features

- Extrusive aluminum 6063 housing, outstanding heat dissipation performance
- Extremely energy efficient – up to 170 lm/w
- High Luminous flux – up to 54.400 lm
- Durable and flicker-free power driver
- IP42 for indoor usage
- No UV or IR and completely mercury free
- 5 Years warranty

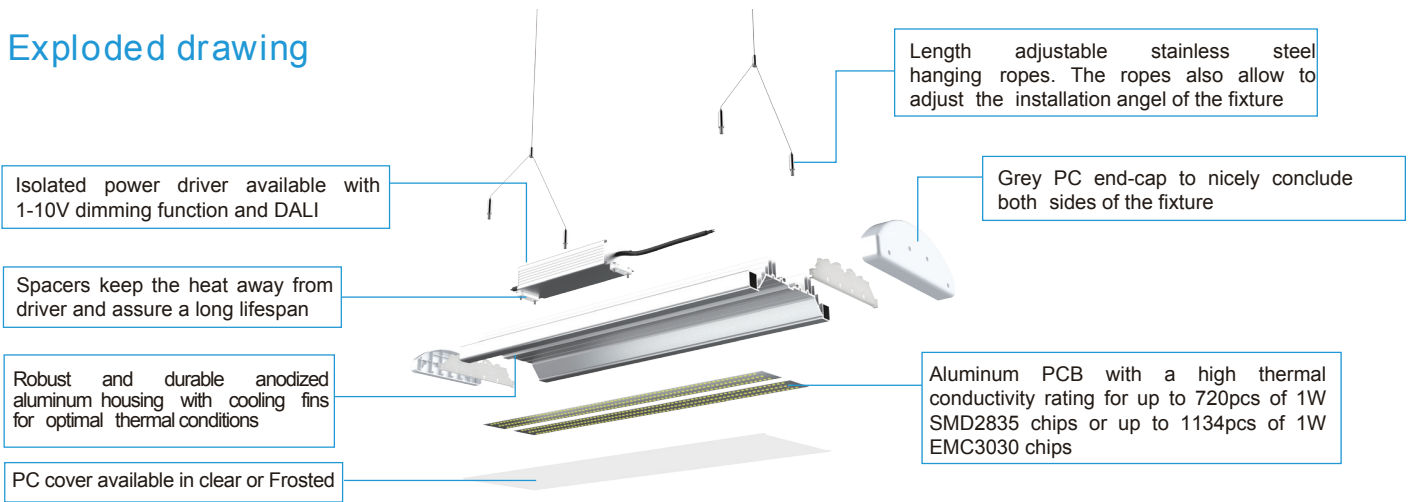
## Options

- 1-10V dimmable and DALI driver
- Clear and milky cover available
- Microwave motion sensor
- Emergency power supply
- Zigbee control

## Area of application

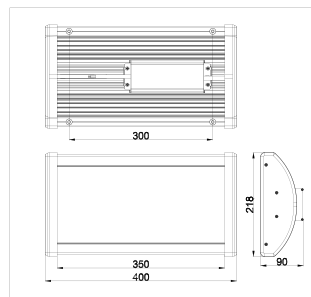
- Factories and warehouses
- High rooms and halls
- Exhibition- & showrooms

## Exploded drawing

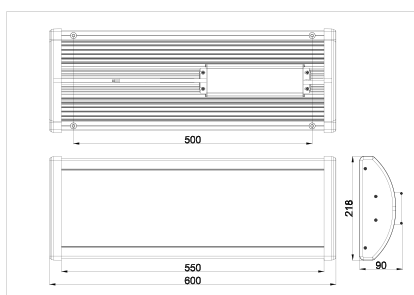


## Dimension (mm)

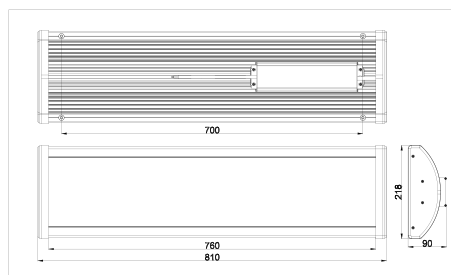
T19B-100W



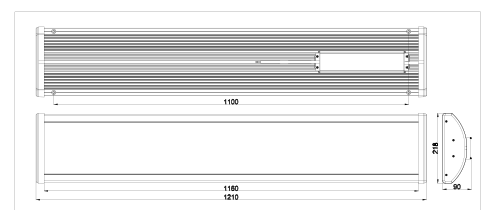
T19B-150W



T19B-200W



T19B-320W



# SKY-LINE LINEAR HIGHBAY SERIES



## Basic Specifications

Standard lumen (130lm/W)

Model	Nominal Wattages (W)	Nominal Voltage	Rated luminous efficacy (lm/w)	Nominal luminous flux (lumen)	Beam Angle	LED Quantity	CRI
KLT19B-100W04	100	AC100~277V 50~60 Hz	130±10	13000±1000	110°	240 PCS SMD 2835	>80Ra
KLT19B-150W06	150		130±10	19500±1500		360 PCS SMD 2835	
KLT19B-200W08	200		130±10	26000±2000		480 PCS SMD 2835	
KLT19B-320W12	320		130±10	41600±3000		720 PCS SMD 2835	

Lumen Plus (170lm/W)

Model	Nominal Wattages (W)	Nominal Voltage	Rated luminous efficacy (lm/w)	Nominal luminous flux (lumen)	Beam Angle	LED Quantity	CRI
KLT19B-100W04	100	AC100~277V 50~60 Hz	160±10	16000±1000	110°	378 PCS EMC 3030	>70Ra
KLT19B-150W06	150		160±10	24000±1500		546 PCS EMC 3030	
KLT19B-200W08	200		160±10	32000±2000		714 PCS EMC 3030	
KLT19B-320W12	320		160±10	51200±3000		1134 PCS EMC 3030	

## 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 %	>90%	Standard deviation of color matching	< 5
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	110°

## Photometrical data

## Standards & Certification

Type of protection	IP42	Heatsink temperature	-20~+60 °C
Tested dielectric strength	3.75KVac	Ambient temperature	-30~+50 °C
Safety features features	Open circuit protection; Short circuit protection; Overvoltage protection	Storage temperature	-40~+80 °C
Certificates	CE RoHS		
Energy efficiency class	A++		

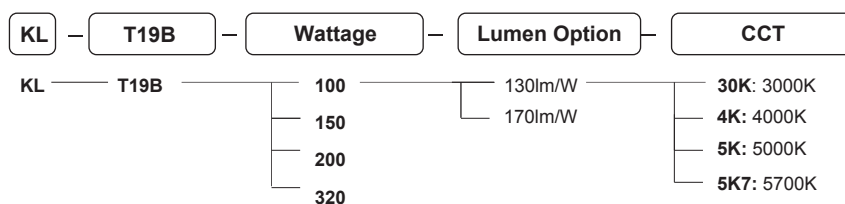
## Temperatures & operating conditions

## 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.	L80/B10		

## Features/Capabilities and additional product data

## Order Information



## Optional accessories



Dimmable driver 0-10V



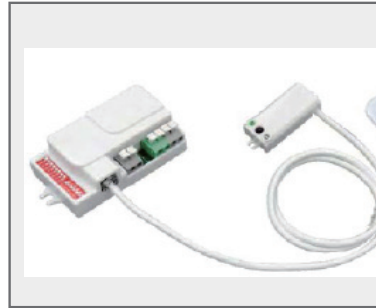
DALI Dimmable



Emergency pack (IP20 20W for 3 hours)



IP65 Junction Box



IP65 Microwave motion sensor  
(Merrytec model : MC605 / MC612)

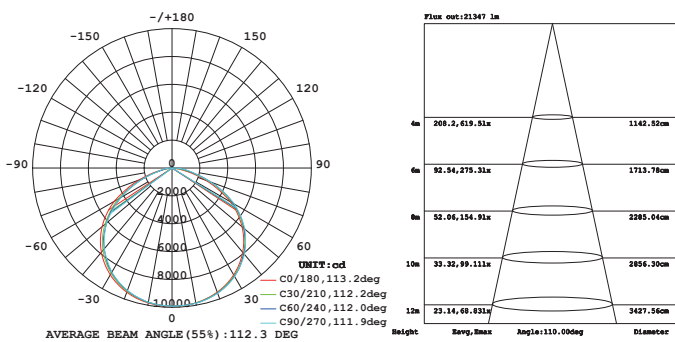


Zigbee control and Gateway

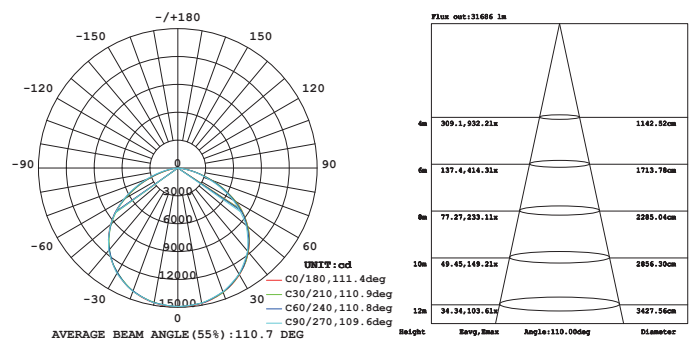
### Lux Chart/Photometrics

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

200W



320W



## Packing Information

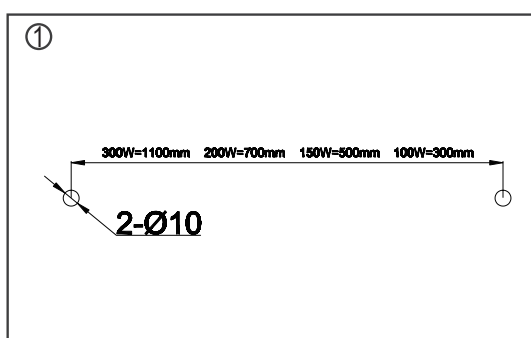
Model	Dimension	CTN SIZE (CM)	QTY/CTN	Net Weight/pcs (kg)	Gross Weight /CTN(kg)
T19B-100W04	400*218*90	97*26*15	2PCS	3	8
T19B-150W06	600*218*90	127*26*15	2PCS	4	10.5
T19B-200W08	810*218*90	97*26*15	1PCS	5	7.5
T19B-320W12	1210*218*90	127*26*15	1PCS	7.5	10

## Application and safety notes

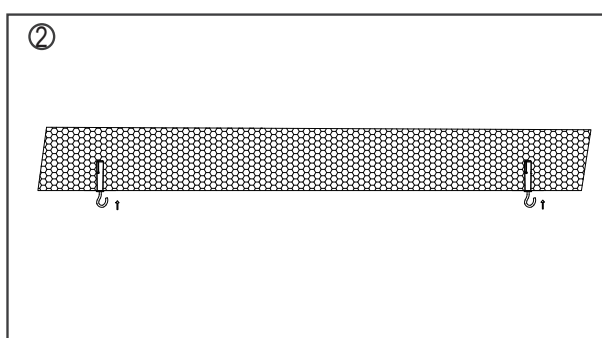
- Carefully read and follow all warnings and instructions before installing or servicing the luminaire.
- The installation should be done by an individual familiar with the construction and operation of the luminaire.
- The installation of this luminaire must be in accordance with national and local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

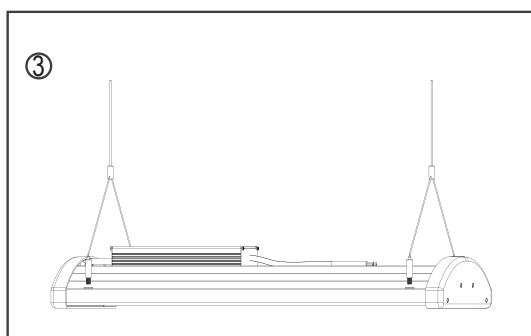
- Drill two holes in the ceiling at the position you want the fixture to be installed
- Put in the dowels and screw in the mounting hocks
- Screw the rope onto the back of the fixture into the thread locks
- Hang the fixture on the hocks and adjust the length of the ropes
- Connect the power wire to the mains



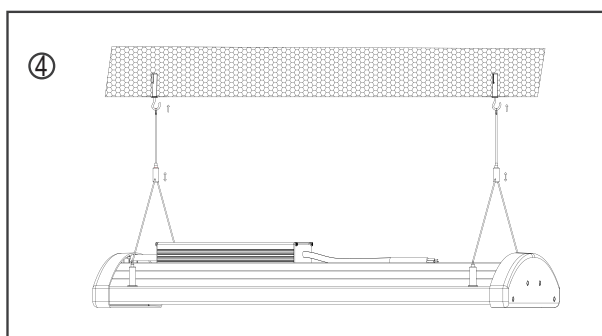
Drill holes in the ceiling



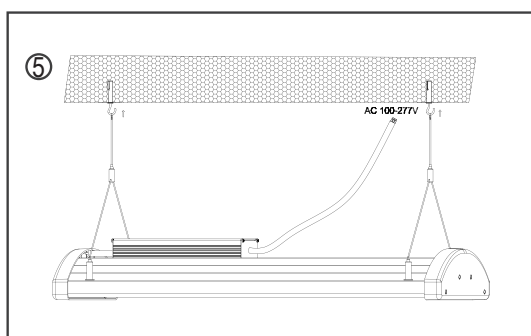
Insert the dowels and screw in the hocks



Screw the rope onto the back of the fixture



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



Connect the power wire

## 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 top side 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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