

# LEDTEC

## 100W LCF HIGHBAY

TECHNICAL DATA SHEET

The LCF highbay combines reliability, efficiency, and robustness, making it the ideal LED replacement for most industry standard gas discharge lamp-based highbays of up to 400W for heights up to 8 metres. It comes packaged with hook and chain mounts to make the installation process a breeze for your crew and minimises disruptions to your business with minimal to no maintenance requirements.

### Areas for Application

- Industrial Workshops
  - Public Spaces
  - Retail Stores
  - Warehouses
  - Sports Halls
  - Indoor Courts
- Manufacturing Facilities



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## TECHNICAL SPECIFICATIONS

### Product

Model	LCF 100W
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### Luminaire Information

Rated Power	100W
Operating Temperature Range	-40° - +50°c
Luminous Flux	13,000lm
Fixture Installation	Chain Mount Hook Mount
Mounted Height	0-30m

### Electrical Characteristics

Power Factor	>0.90/230 VAC
Operating Voltage Range	AC 90-305V
Input Current/230V	2.17A/230VAC
Frequency Range	50-60Hz
Light Efficacy	125-135lm/w
Driver Type	Mean Well

### Optical Characteristics

Correlated Colour Temperature	5000k Standard (Optional 2700K - 6500K)
Colour Rendering Index	80Ra
LED Type	Philips Lumileds LUX-EON 3030 SMD
LED Quantity	168pcs
LED Expected Lifespan	50,000 hrs
Beam Angle	Type C: 120°

### Material & Finish

Ingress Protection Rating	IP65
Ingress Protection Rating	IK08
Material Composition (Body)	Aluminium alloy
Material Composition (Driver Box)	Casting Aluminium
Material Composition (Lens)	Stalinite Glass
Material Composition (Bracket)	Hot Rolled Carbon Steel
Material Composition (Cable)	Polyvinyl chloride

### Weight & Packaging

Diameter	260mm
Packaging Dimensions	330x330x210mm
Packaged Weight	3.7kg
Cable Length	1.4m

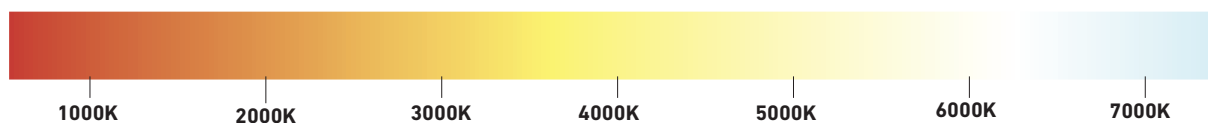
### Warranty

Warranty	5 Years
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## COLOUR TEMPERATURES

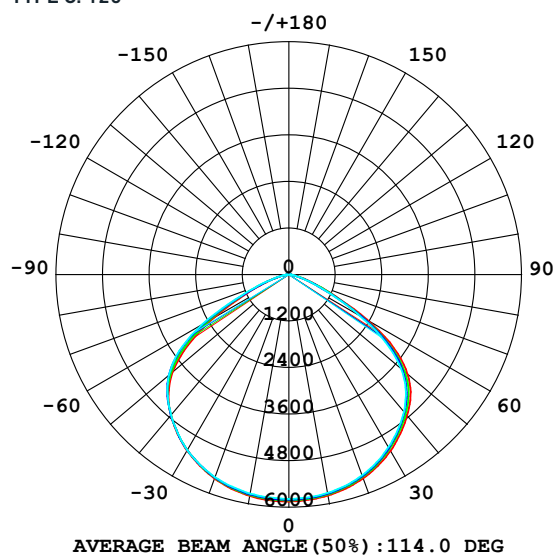
WARM WHITE  
2700K - 3000K

COOL WHITE  
5900K - 6500K

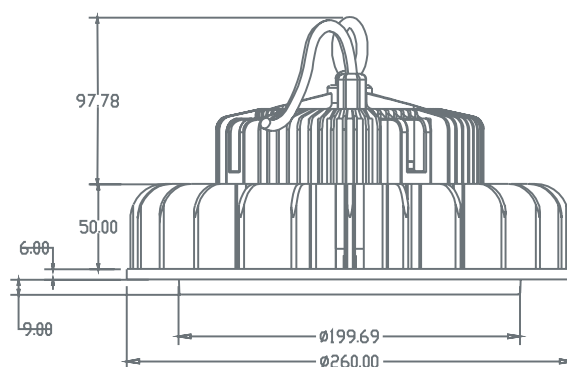
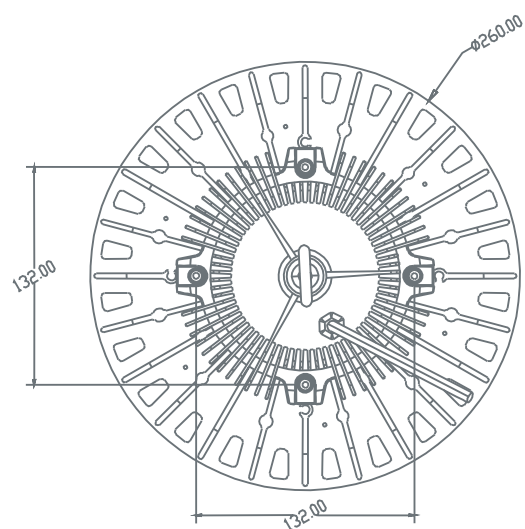


## ILLUMINANCE AT DISTANCE

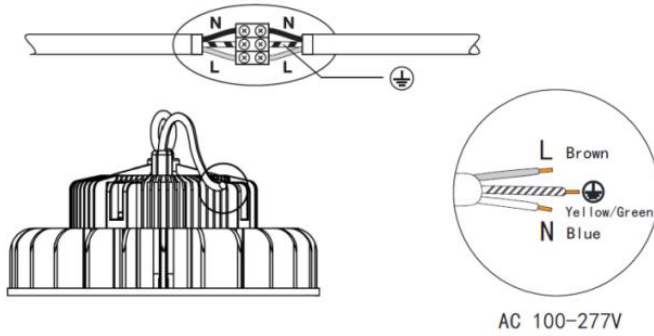
TYPE C: 120°



## DIMENSIONS

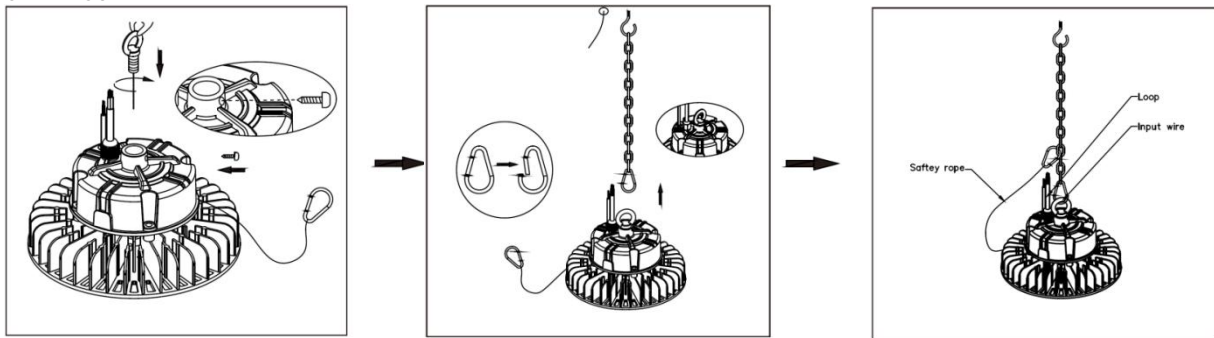


## WIRING DIAGRAM



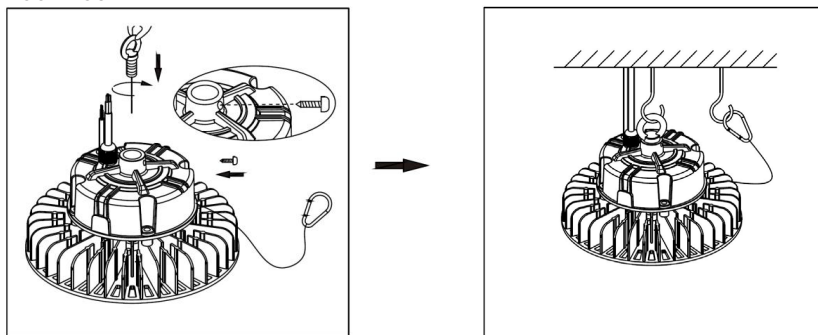
## MOUNTING OPTIONS

### CHAIN MOUNT



1. Unscrew the screw on top of the driver
2. Screw the circular ring tightly, then lock the circular ring using the screw
3. Fix the highbay fixture with the chain to the ceiling
4. Use the buckle to fix the safety rope with the body and chain
5. Make all wiring connections. If dimming is not required, leave the caps on dimming leads

### HOOK MOUNT



1. Unscrew the screw from the top of the driver
2. Screw the circular ring tightly, then lock with using the screw
3. Carefully hang the LCF highbay into the lifting hook, making sure the hook can carry more than 3 times the weight of the luminaire
4. Use the buckle to fix the safety rope with the body and hook
5. Make all wiring connections. If dimming is not required, leave the caps on the dimming leads

CAUTION: Ensure all power to the lights is switched off before carrying out installation.