# LEDTEC
# 150W LDC HIGHBAY
TECHNICAL DATA SHEET

Compact, compatible and highly versatile, the LDC highbay delivers an unbeatable light output level of 190 lumen's per watt for less. Capable of seamlessly replacing majority types of industry-standard discharge lamp based highbays on a 1 to 1.5 product ratio, it guarantees greater energy savings efficiency and rapid ROI.

**Areas for Application**
- Indoor Courts
- Public Spaces
- Retail Stores
- Warehouses
- Sports Halls
- Industrial Workshops
- Manufacturing Facilities

Lighting Council
AUSTRALIA MEMBER

ies Corporate Member 2022/2023

100% AUSTRALIAN OWNED & OPERATED

# TECHNICAL SPECIFICATIONS

### Product

| | |
|---|---|
| Model | LDC 150W |

### Luminaire Information

| | |
|---|---|
| Rated Power | 150W |
| Operating Temperature Range | -40° ~ +50° c |
| Luminous Flux | 28,500lm |
| Luminous Efficacy | 190lm/W |
| Fixture Installation | Chain Mount<br>Hook Mount |
| Mounted Height | 5~9m |

### Electrical Characteristics

| | |
|---|---|
| Power Factor | >0.95 |
| Operating Voltage Range | AC 100-277V |
| Input Current/230V | 0.72A / 220VAC |
| Frequency Range | 50-60Hz |
| Driver Type | Philips |

### Optical Characteristics

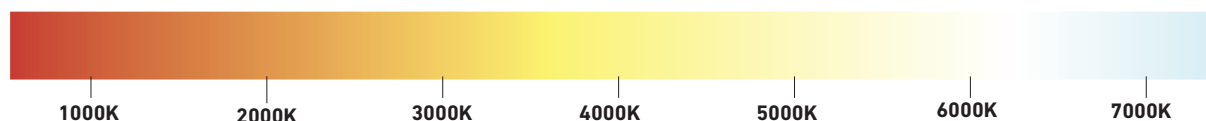| | |
|---|---|
| Correlated Colour Temperature | 5000k Standard (Optional 2700K - 6500K) |
| Colour Rendering Index | Ra>70 |
| LED Type | LM80 approved Elite SMD3035 |
| LED Quantity | 546pcs |
| LED Expected Lifespan | 108,000 hrs |
| Beam Angle | Type B: 90°<br>Type C: 120° |

### Material & Finish

| | |
|---|---|
| Ingress Protection Rating | IP65 |
| Impact Protection Rating | IK10 |
| Material Compostion (Body) | Pure Aluminium Alloy |
| Material Composition (Driver Box) | Pure Aluminium Alloy |
| Material Composition (Lens) | Optical Polycarbonate |
| Material Composition (Bracket) | Hot Rolled Carbon Steel |
| Material Composition (Cable) | SAA & ENEC approved rubber cable |
| Material Composition (Reflector) | Alumiunium Alloy 1070 |
| Optional Accessories | Reflector |

### Weight & Packaging

| | |
|---|---|
| Diameter | 284mm |
| Dimensions | 284x146mm |
| Packing Size | 340x340x150mm |
| Net Weight | 2.0kg |
| Cable Length | 1.5 or 2m |

### Warranty

| | |
|---|---|
| Warranty | 5 Years |

# DIMENSIONS

## COLOUR TEMPERATURES

**WARM WHITE**
**2700K - 3000K**

**COOL WHITE**
**5900K - 6500K**

1000K  2000K  3000K  4000K  5000K  6000K  7000K

## ILLUMINANCE AT DISTANCE

**TYPE B: 90° & TYPE C: 120°**

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

-/+180

-150   150

-120   120

-90   90

3000
6000
9000
12000
UNIT:cd
-60   60
C0/180,95.3
C90/270,93.0
-30   30
15000
0
AVERAGE BEAM ANGLE(50%):94.1 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:1x)
MH(m)
10
14
18
22
26
30
34
38
42
46
50
0.0    17.0    34.0
S(m)

| | |
|---|---|
| 79.0 | 13.0 |
| 66.0 | 11.0 |
| 53.0 | 6.60 |
| 40.0 | 5.30 |
| 26.0 | 4.00 |
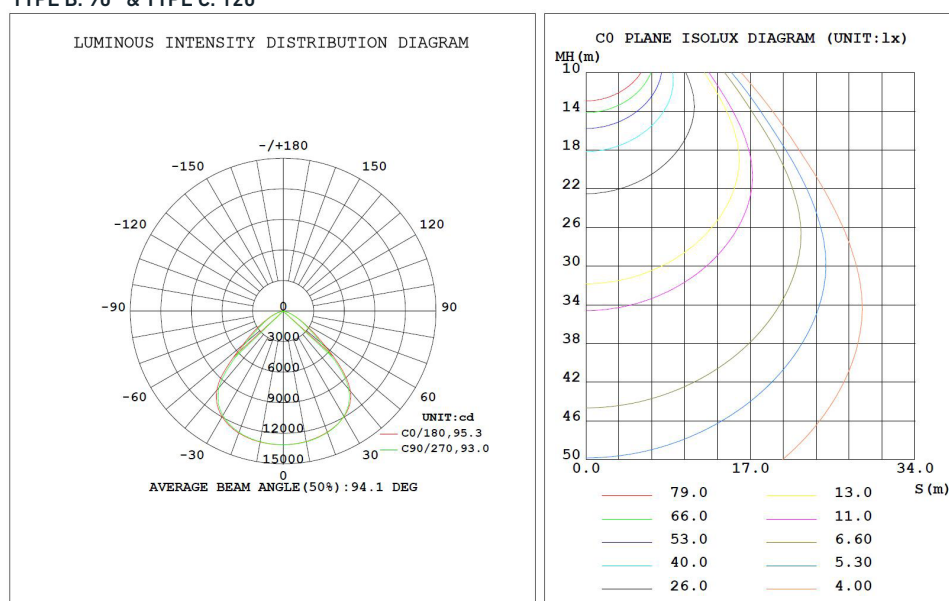
## PRODUCT IMAGES

## WIRING DIAGRAM



L Brown

Yellow/Green

N Blue

AC 100-277V
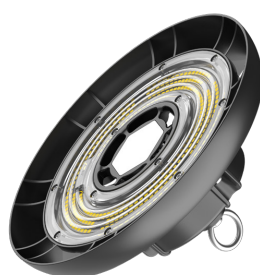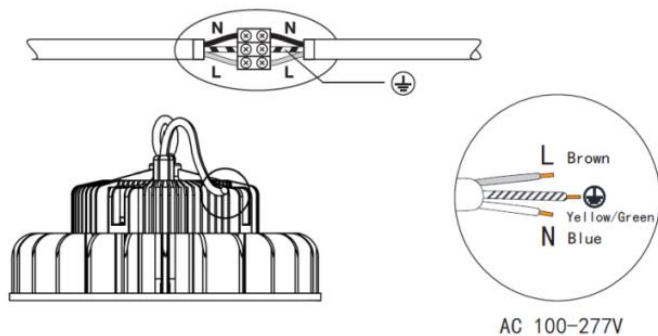
## MOUNTING OPTIONS

### CHAIN MOUNT



Loop

Input wire

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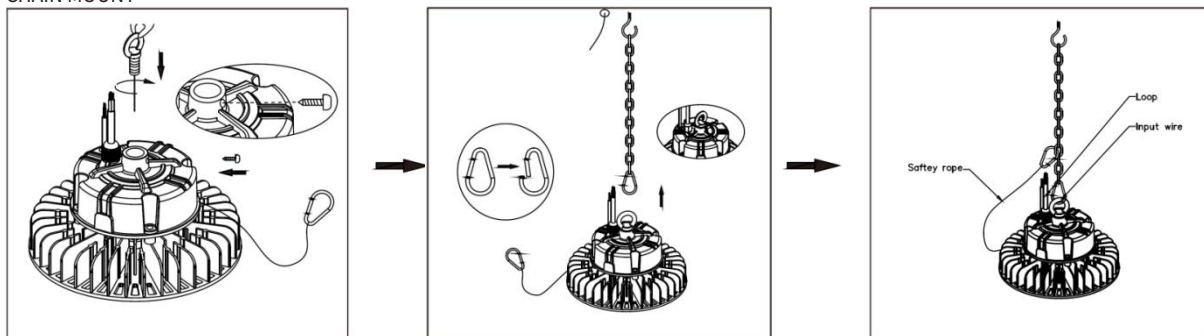
1. Unscrew the screw on top of the driver
2. Screw the circular ring tightly, then lock the circular ring using the screw
3. Fix the highbay fixture with the chain to the ceiling
4. Use the buckle to fix the safety rope with the body and chain
5. Make all wiring connections. If dimming is not required,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

### HOOK MOUNT
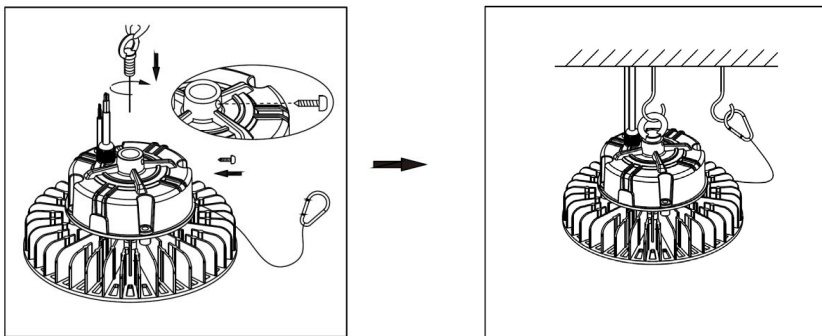


1. Unscrew the screw from the top of the driver
2. Screw the circular ring tightly, then lock with using the screw
3. Carefully hang the LDC highbay into the lifting hook, making sure the hook can carry more than 3 times the weight of the luminaire
4. Use the buckle to fix the safety rope with the body 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.