



MXDL-01-5W-DIRECT

Features

- ☆ system efficacy up to 120lm/W
- ☆ extended system service lifetime up to 40,000hrs (L80/B50) at ambient temperature 35°C
- ☆ outstanding colour rendering performance (Ra = 80/85/90/95), stable colour constancy
- ☆ reflector with various beam angle, glare protection. light control with reflector
- ☆ light control with rotational lens, symmetric light output ,extremely narrow ellipsoid distribution
- ☆ some LED down light horizontally rotatable 360°
- ☆ optional with 0-10V dimming and dali dimming
- ☆ housing of finish color: traffic white RAL9016 or silver grey RAL7001

Benefits

- ☆ designed for using in both food and non-food area
- ☆ outstanding colour rendering for the perfect display of objects
- ☆ up to 65% energy consumption saved compared with CFL down light
- ☆ lower maintenance cost, maintenance factor 0.8
- ☆ promote your shops to attract more excellent shopping, make your hotel & restaurant attract people enjoy consumption

Application



Specification

| Item number | Photo | Power (W) | Luminous flux (lm) | Efficacy (lm/W) | Light source | CRI (Ra) | CCT(K) | Driver | Lifespan (L80/hrs) |
|-------------------|-------|-----------|--------------------|-----------------|---------------|----------|-----------|--------|--------------------|
| MXDL-01-5W-DIRECT | | 5 | 600 | 120 | Bridgelux LED | >80 | 2500-6500 | | 50000 |

housing finish color (traffic white RAL9016/jet black RAL9005) need to be confirmed before an order

beam angle (30 / 40 / 60/ 90 /120°) need to be confirmed before an order

different Ra(80/85/90/95),CCT(2500-6500K) and lumen required need to contact sales representative separately

emergency kit required need to contact sales representative separately

based on the same CRI, the lumen between 4000-6500K is the same , 2500-3500K will be 5%-8% lumen lower

the specified luminous flux value corresponds to the gross luminous flux of LED@ 25 °C, this is only a minimum flux and not a maximum.

Mainlux may ship products in flux higher than above specified by the item number without advance notice

with a tolerance of ±7% on flux and power, ±0.005 on chromaticity (CCx, CCy) and ±2 on CRI

Technical datasheet

| | |
|------------------------------------|----------------------|
| LED | Bridgelux LED |
| Colour consistency (SDCM) | 3 |
| Beam angle (°) | 24° |
| URG | <19 |
| Integrated driver (Yes /No) | Yes |
| Surge voltage resistance | 4KV (10KV available) |
| Power factor | >0.95 |
| Dimmable | Yes(0-10V/dali) |
| Operation temperature | -20~+40°C 10-90% RH |
| Storage environment | -25~ +50°C |
| On / off cycles (times) | 50,000 |
| Application temperature | 25°C 10-90% RH |

Approval

| | |
|-----------------------------------|---|
| Impact resistance rating | 05 |
| inclosed system (IK) | |
| Protection rating (IP) | 40/65 |
| Glow wire test | 650°C |
| Insulation class | II |
| Certification | CE, RoHS |
| Electrical connection | |
| System nominal voltage (V) | AC100-240 AC100-305 (127-431) (American only) |
| Frequency (Hz) | 50/60Hz |
| THD | <15% |

Mechanical properties

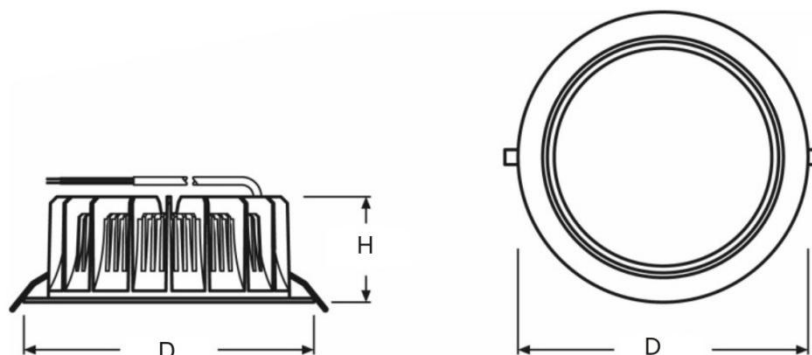
| | | | |
|-------------------------------------|--|-------------------------|--------|
| Housing material | Die-casting ultra-pure aluminium (Al 99.98%) | Optical material | PMMA |
| Colour of finish for housing | traffic white RAL 9016 or jet black RAL9005 | clamping range | 1-25mm |

Product & packaging information

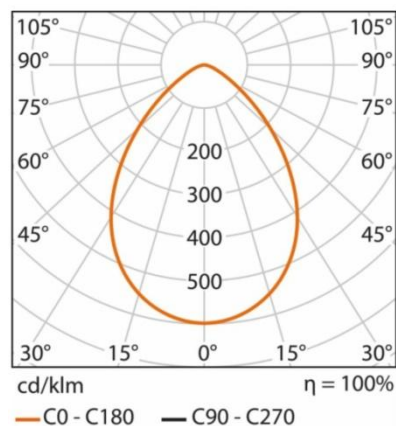
| Item number | Item dimension (DxHmm) | Net weight (kg) | pcs / carton | Packging information carton dimension (LxWxHmm) | gross weight (kg) |
|--------------------------|------------------------|-----------------|--------------|---|-------------------|
| MXDL-01-5W-DIRECT | Φ90x63 | 0.33 | 20 | 400x600x320 | 10.20 |

This is current standard parameter, as technology improved, we keep right to improve above information.

Dimension drawing (mm)



Photometric data



Installation & maintenance warning

- ☆ Please strictly according the usage manual to ensure the security of product performance.
- ☆ Please make sure power-off during the process of installation and maintenance !
- ☆ Do not change or modify any parts of product without contact engineer from manufacturer.
- ☆ Please connect the lamp to an effective grounding system to make sure the safety.
- ☆ In order to avoid any danger, the cable or suspension wire must be removed and installed by manufacturer, technical service center or qualified worker.
- ☆ Dispose the lamp specially when the product is not longer use.
- ☆ Please use soft cloth with soap or neutral detergent to clean lamp. Please do not use alcohol or paint thinner !
- ☆ We keep the right to inform you if any change of product.