



**5W directional LED down light**

## 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

### Application



### 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

### 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

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

### Approval

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

### Mechanical properties

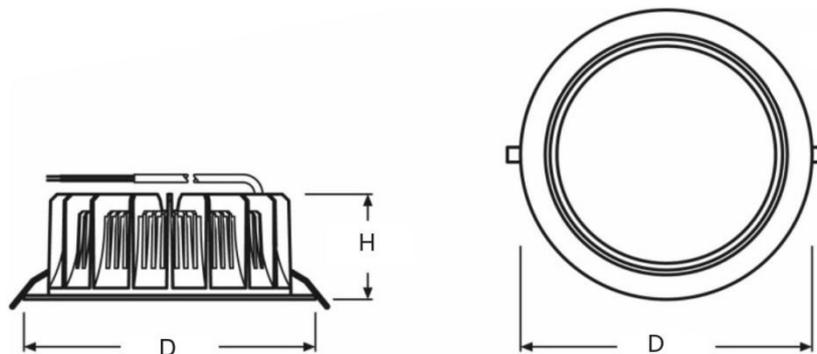
<b>Housing material</b>	Die-casting ultra-pure aluminium (Al 99.98%)	<b>Optical material</b>	PMMA
<b>Colour of finish for housing</b>	traffic white RAL 9016 or jet black RAL9005	<b>clamping range</b>	1-25mm

### Product & packaging information

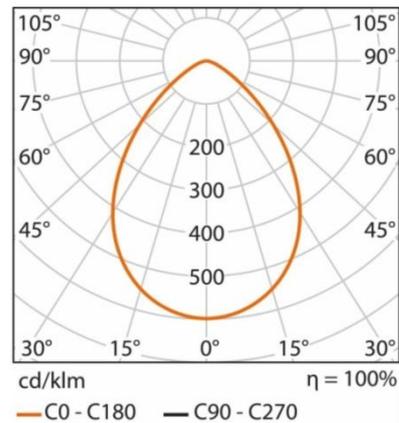
Item number	Item dimension (DxHmm)	Net weight (kg)	Packging information		
			pcs / carton	carton dimension (LxWxHmm)	gross weight (kg)
<b>MXDL-01-5W-DIRECT</b>	<b>Φ90x63</b>	<b>0.33</b>	<b>20</b>	<b>400x600x320</b>	<b>10.20</b>

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.