

Arch shadowless light (DL)

LS-DL series · Shadowless lights · 8 models



Arch shadowless light with high uniformity and high luminance, for workpieces that need a balanced surface; reduces reflected light and flare.

Features

- High uniformity, high luminance
- For workpieces that need a balanced surface
- Reduces reflected light and flare
- Customizable: Shape, Length, Viewport, Colour & colour temperature, Cable length, Installation method
- UV & IR versions can be customized as required

Applications

- PCB inspection
- Packing inspection
- Plastic surface inspection
- Imaging example: pill (tablet blister) dirty part inspection (LS-DL12570-W), uniform emission highlights the black dirt

Colours

R	620-630 nm
G	525-530 nm
B	465-470 nm
W	6600 K

Common specifications

Voltage	24 V
Min. size	102 mm x 128 mm
Max. size	350 mm x 175 mm
Recommended working distance	5~50 mm

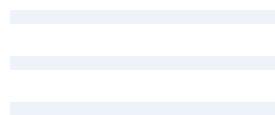
FOV	1~200m (as printed)
Colour temperature of white	6600 K
Cable length (drawing)	500 mm
Operating temperature	0-50 °C
Operating humidity	20-85% (non-condensing)
Life-span	50000 h (to 50% of factory default luminance)
Adapted controllers	Strobe controller, analog controller, digital controller
Extension cable options	PVC extension cable (high flexibility, bending and high-temperature resistant, for use inside equipment); high-flexibility extension cable (harder, more abrasion resistant, for drag-chain production lines)

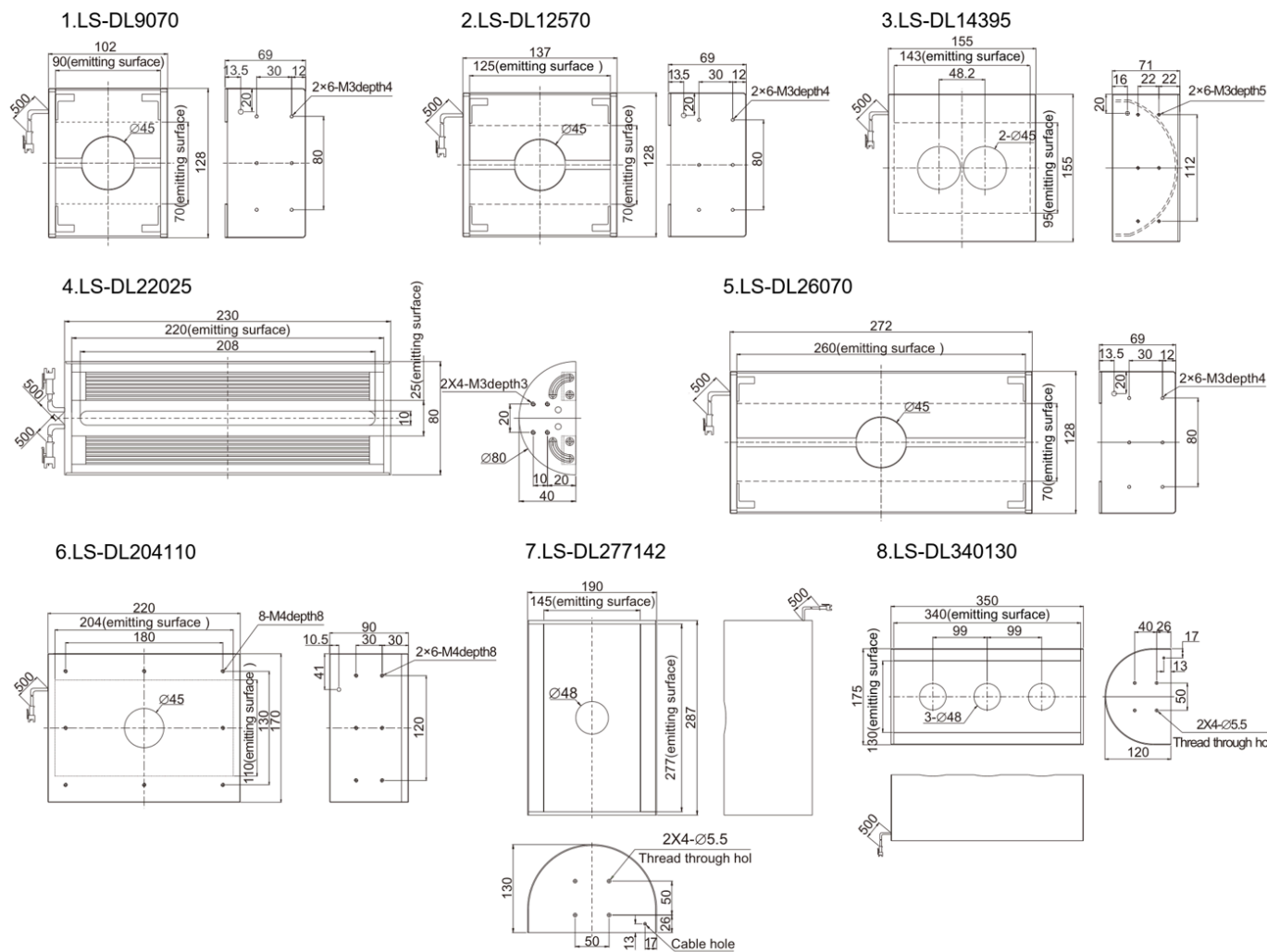
Ordering code: LS-DL####-R/G/B/W/IR/UV (first ## = length of luminous zone, second ## = width of luminous zone; last field = colour)

Models

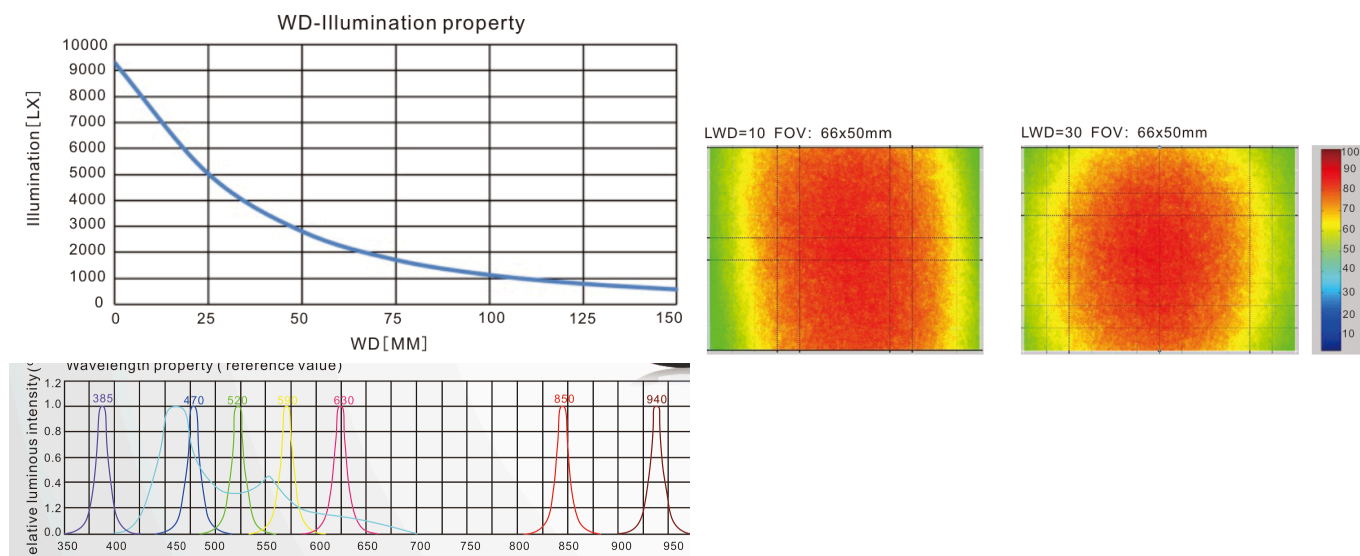
Model	Power (R)	Power (G/B/W)	Weight	Common model	Dimension drawing no.	Emitting surface (mm)	Viewport (camera hole)
LS-DL9070 colours: R, G, B, W	4.3W	5.8W	535 g	Y	1	90 x 70	dia. 45
LS-DL12570 colours: R, G, B, W	5.8W	8.6W	619 g	Y	2	125 x 70	dia. 45
LS-DL14395 colours: R, G, B, W	5.8W	8.7W	965 g	N	3	143 x 95	2 x dia. 45
LS-DL22025 colours: R, G, B, W	19.2W	19.2W	245 g	N	4	220 x 25	-
LS-DL26070 colours: R, G, B, W	11.5W	17.3W	1004 g	Y	5	260 x 70	dia. 45
LS-DL204110 colours: R, G, B, W	8.6W	13.0W	948 g	N	6	204 x 110	dia. 45
LS-DL277142 colours: R, G, B, W	9.3W	15.8W	1080 g	N	7	145 x 277	dia. 48
LS-DL340130 colours: R, G, B, W	9.3W	15.8W	1190 g	N	8	340 x 130	3 x dia. 48

Dimensions





Performance



Product views

