

Dome shadowless light (2DM)

LS-2DM series · Dome lights · 4 models



Dome shadowless light with high uniformity and a large emitting area; lightweight design with high luminance, frame-fixed construction for more uniform stress and long-term reliability; flexible outline can be customized.

Features

- High uniformity, large emitting area
- Lightweight design, high luminance
- Frame-fixed method: more uniform stress, firmer and more reliable over long use
- Flexible outline, can be customized
- New version LS-2DM116-W compared with old LS-DM100-W (LWD=140, FOV 32x24 mm, luminance 80%)
- Customizable: Multi-area control, Colour & colour temperature, Cable length, Installation method, Combined light
- UV & IR versions can be customized as required

Applications

- Reflective and uneven surface inspection
- IC surface character inspection
- Condenser surface defect inspection
- Ring-pull can defect inspection
- Imaging example: dirty part inspection on a paper cup (LS-2DM175-W), uniformly whitened background extracts 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. diameter	dia. 116
Max. diameter	dia. 260

Recommended working distance	5~50 mm
FOV	1~150 mm
Colour temperature of white	6600 K
Cable length (drawing)	500 mm
Remark	AI
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-2DM##-R/G/B/W/IR/UV (## = light diameter; last field = colour)

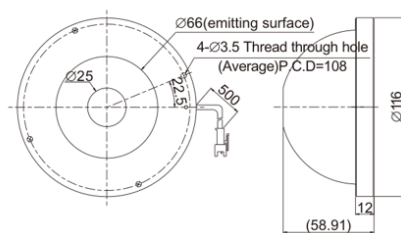
Models

Model	Power (R)	Power (G/B/W)	Weight	Dimension drawing no.	Emitting surface dia. (mm)
LS-2DM116 colours: R, G, B, W	7.7W	11.5W	275 g	1	66
LS-2DM175 colours: R, G, B, W	12.5W	13.0W	500 g	2	116
LS-2DM198 colours: R, G, B, W	13.4W	22.1W	612 g	3	138
LS-2DM260 colours: R, G, B, W	20.2W	30.2W	924 g	4	193

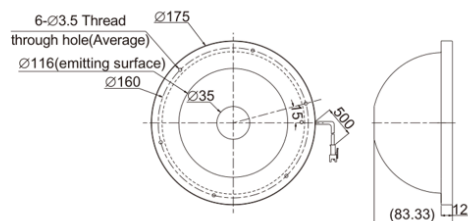
More values per model (Common model) are on each product page.

Dimensions

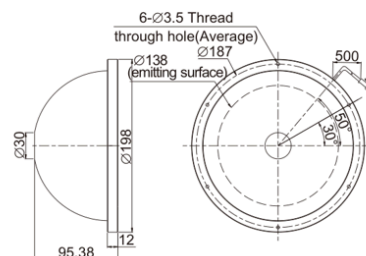
1.LS-2DM116



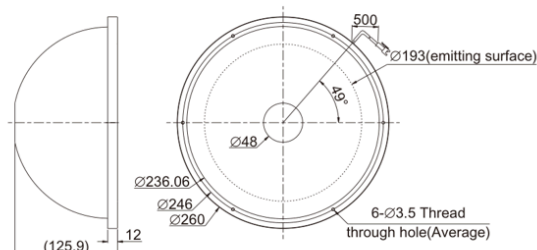
2.LS-2DM175



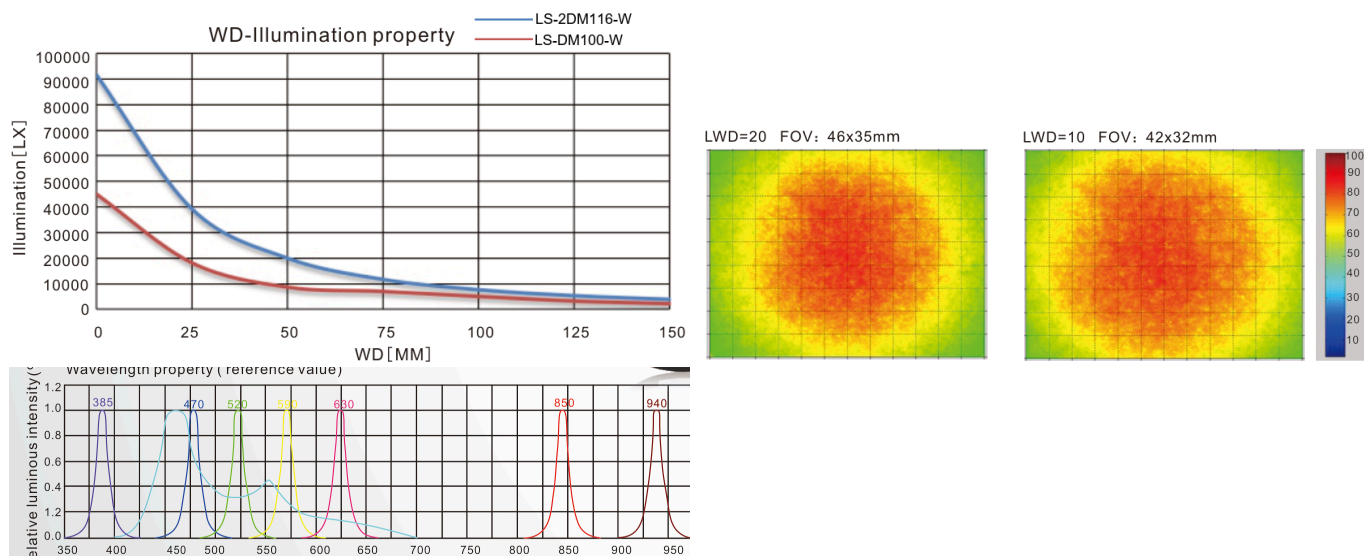
3.LS-2DM198



4.LS-2DM260



Performance



Product views

