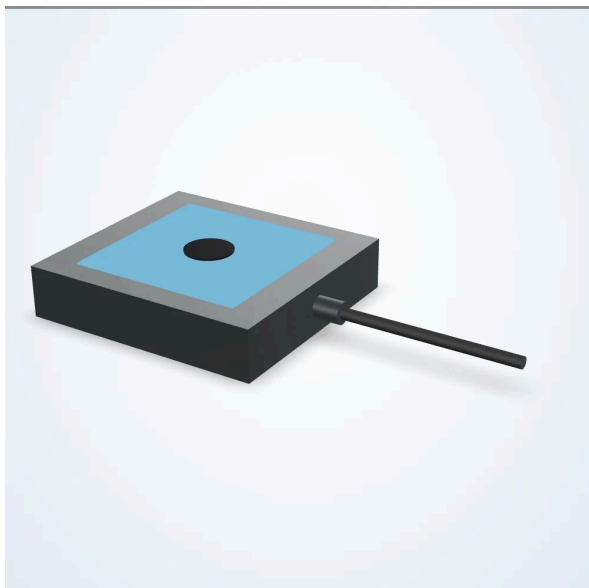


Flat dome light, 80.4-690 x 80.4-690 mm lit area

LS-FDL-0001 series · Shadowless lights · 1 model

Flat dome (shadowless) light: diffuse on-axis illumination from a thin panel with a camera viewport, for flat shiny parts and labels under film. 24 VDC supply; connection: flying leads. Choose colour, lit length, length, width, driver included below (250 configurations) and request a quote. Rendered illustration: the actual product may differ in appearance.



Options

Colour	470nm Blue, 530nm Green, 625nm Red, 850nm Infrared, WHITE
Lit length (mm)	80.4, 105.8, 131.2, 156.6, 182, 207.4, 232.8, 258.2, 283.6, 309, 334.4, 359.8, 385.2, 410.6, 436, 461.4, 486.8, 512.2, 537.6, 563, 588.4, 613.8, 639.2, 664.6, 690
Length (mm)	111, 136.4, 161.8, 187.2, 212.6, 238, 263.4, 288.8, 314.2, 339.6, 365, 390.4, 415.8, 441.2, 466.6, 492, 517.4, 542.8, 568.2, 593.6, 619, 644.4, 669.8, 695.2, 720.6
Width (mm)	103.9, 129.3, 154.7, 180.1, 205.5, 230.9, 256.3, 281.7, 307.1, 332.5, 357.9, 383.3, 408.7, 434.1, 459.5, 484.9, 510.3, 535.7, 561.1, 586.5, 611.9, 637.3, 662.7, 688.1, 713.5
Driver included	No Driver Required, Included
Driver location	No Driver, In Line
Intensity control	Not listed, Analog Voltage
Operating modes	Constant On, Constant On, Constant On – Dimmable, Overcurrent Strobe, Overcurrent Strobe – Dimmable, Constant On, Constant On – Dimmable
Strobe trigger input	Constant On Only, PNP Trigger
Minimum overcurrent strobe duration (us)	Not listed, 30
Version	Standard, Version 1, Version 2

Order by the full LS number of the chosen configuration; we confirm it with your quote.

Common specifications

Lit width (mm)	80.4 to 690 (by configuration)
Height (mm)	23.9
Viewport diameter (mm)	22.2 / 44.5 (by configuration)
Voltage	24 VDC
Connector	Flying Leads
Connection at light	Hardwired
Cable length (mm)	2000
Operating temperature	up to 60 °C
IP rating	IP67
Housing	Aluminum
Mounting	Tapped Holes
Collimated	Not Collimated
Daisy chain	No
Diffused	Not Diffused
Direct connect	No
Maximum constant on current (ma)	151 to 11073 (by configuration)
Maximum current (overcurrent strobe) (ma)	8000 (by configuration)
Maximum duty cycle (%)	100
Maximum input power constant on (w)	3.6 to 265.8 (by configuration)
Maximum input power overcurrent strobe (w)	125 / 150 (by configuration)
Maximum overcurrent strobe frequency (hz)	2000 (by configuration)
Maximum overcurrent strobe latency (us)	20 / 60 (by configuration)
NPN trigger voltage (v)	< 1 VDC (by configuration)
PNP trigger current (ma)	5 (by configuration)
PNP trigger voltage (v)	2.5-30 VDC (by configuration)
Polarized	Not Polarized
Compliance	CE, IEC 62471, RoHS

Models

Model

LS-FDL-0001

Product views

