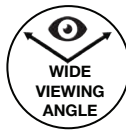# PML50 Series
0.688" (17.5mm) Low Profile LED FlexVolt™ Panel Mount Indicator

PML50 Series with built-in LED FlexVolt™ technology offers daytime visibility, easy installation in harsh environments

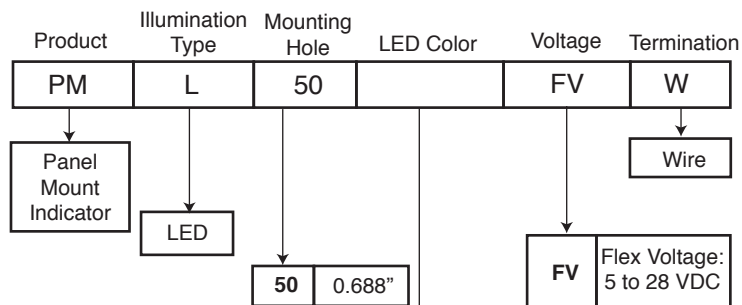| HIGH BRIGHTNESS LED | LED COLOR OPTIONS | MOUNTING HOLE Ø 0.688" | WIDE VIEWING ANGLE | FLEX VOLTAGE | DAYLIGHT VISIBILITY | D-MOUNTING HOLE OPTION | IP67 |

Applications

- Industrial
- Transportation
- People Movers
- Automation and Control
- Maritime, Oil and Gas Industry
- Safety and Emergency Applications
- Slot, Gaming and Vending Machines
- Outdoor Applications

Key Features

- For panel hole diameter: 0.688" (17.5mm)
- Low profile semi dome lenses for uniform illumination
- Mounting hardware provided: lock washer and hex nut.
- Clear transparent lenses and high brightness LEDs produce daylight and outdoor visibility.
- Designed for extreme harsh and outdoor environments.
- Available in five solid colors (red, green, white, blue and yellow) and one bicolor (red/green).
- Resistant to shock and vibration.
- Flex voltage (5 VDC to 28 VDC) designed for application flexibility: one solution for several required input voltages.
- Wide viewing angle.
- Maximum installation torque: 15in/lb.
- D mounting hole to prevent rotation.
- IP67 protection rating protect panels against entry of dust and moisture.
- Long lifetime, up to 100k hours
- Retrofit solution: save energy and reduce costs.
- Please contact us for modified standard options (e.g. quick connection, wire length).
- RoHS and REACH Compliant.

Ordering Data

The PML50 Series is available in a range of standard features and options.
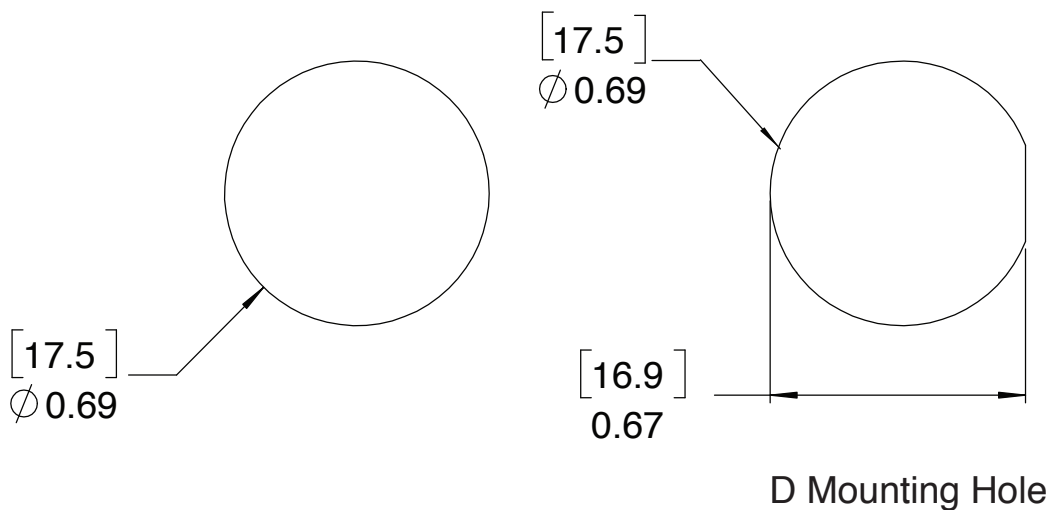To specify your Panel Mount Indicator, select one option from each column.

Product	Illumination Type	Mounting Hole	LED Color	Voltage	Termination
PM	L	50		FV	W

Panel Mount Indicator

LED

| 50 | 0.688" |

Wire

| FV | Flex Voltage: 5 to 28 VDC |

B	Blue
G	Green
R	Red
W	White
Y	Yellow
RG	Red/Green

Part Numbers	Color
PML50RFVW	Red
PML50WFVW	White
PML50GFVW	Green
PML50BFVW	Blue
PML50YFVW	Yellow
PML50RGFVW	Red/Green

Product Dimensions
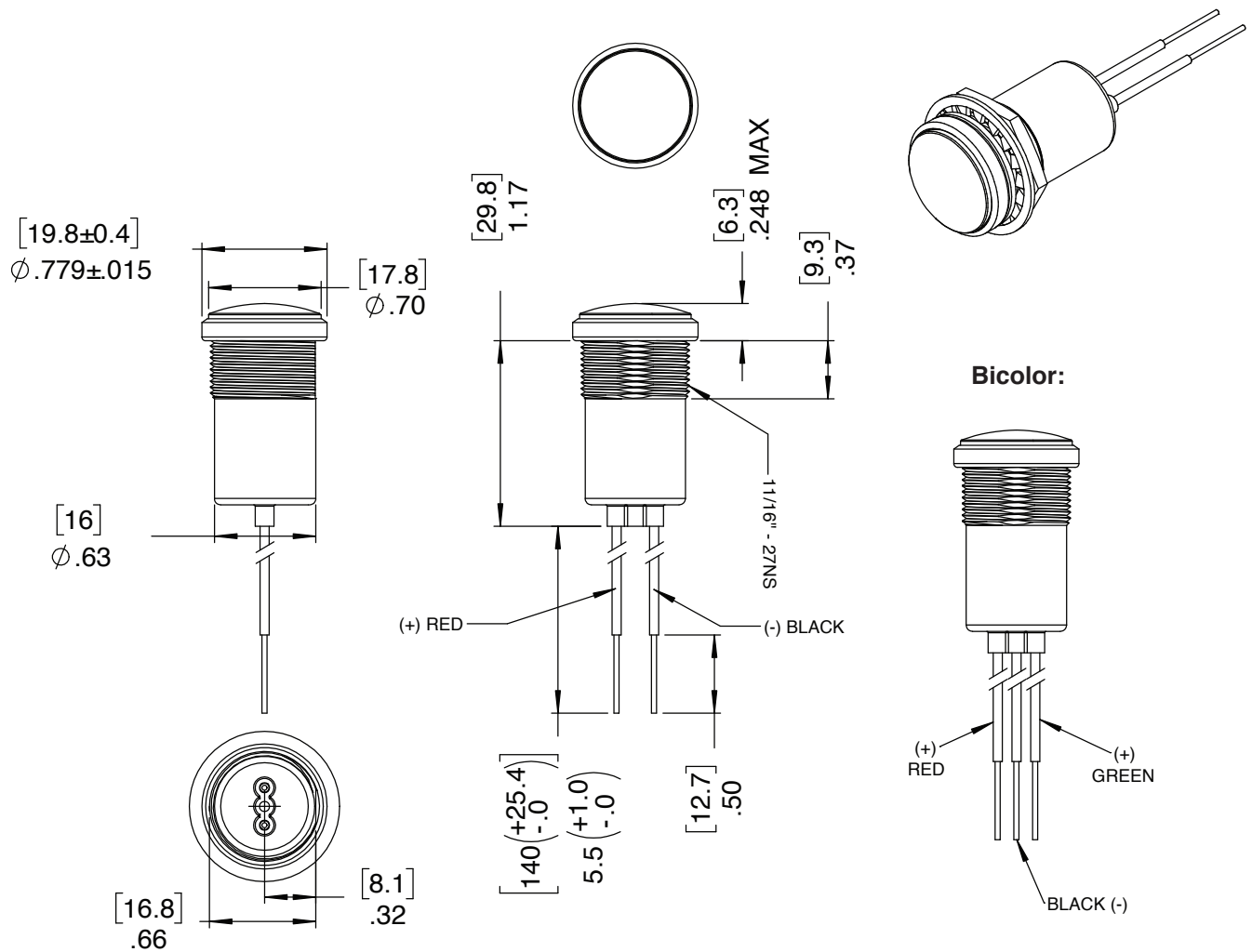
Recommended Mounting Hole
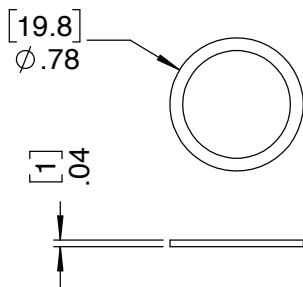
[17.5]
⌀0.69

[17.5]
⌀0.69

[16.9]
0.67

D Mounting Hole

Notes:
1. All dimensions are in [millimeters] inches.
2. Tolerance is ±[0.25] 0.01 unless otherwise noted.
3. The specifications, characteristics and technical data described in the datasheet are subject to change without prior notice.

Product Dimensions

[19.8±0.4]
⌀.779±.015

[17.8]
⌀.70

[16]
⌀.63

[16.8]
.66

[8.1]
.32

[29.8]
1.17

[6.3]
.248 MAX

[9.3]
.37

11/16" - 27NS

(+) RED

(-) BLACK

140 (+25.4 / -.0)

5.5 (+1.0 / -.0)

[12.7]
.50

Bicolor:

(+) RED

(+) GREEN

BLACK (-)

Gasket (already assembled):

[19.8]
⌀.78

[1]
.04

Lock Washer:

[24.5]
⌀.96

Hex Nut:

[20.5]
.81

[2.4]
.09

Notes:
1. All dimensions are in [millimeters] inches.
2. Tolerance is ±[0.25] 0.01 unless otherwise noted.
3. The specifications, characteristics and technical data described in the datasheet are subject to change without prior notice.
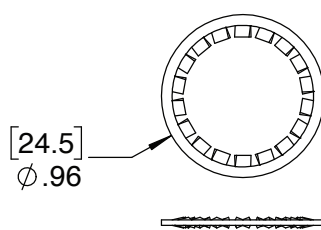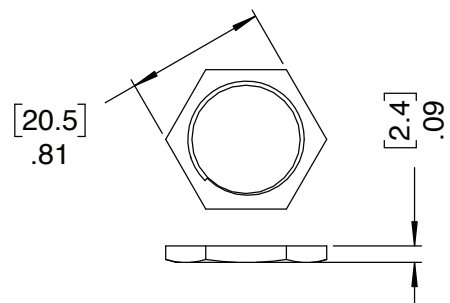
Product Specifications

Materials

Housing	White Polycarbonate UL 94 V-0
Lens	Transparent Polycarbonate UL94 V-0
Bezel	Plated, Black Color Finish
Wire Leads	Tinned Copper Conductor PVC Insulation
Washer (installed)	EPDM rubber
Lock Washer	SPCC, Nickel Plated
Hex Nut	Brass, Nickel Plated

Electrical Specifications

Operating Voltage	5 VDC to 28 VDC (flex voltage)
Operating Current	20mA (max.)

Installation Specifications

Mounting Hole ("D" Shape)	11/16" or 0.688" (17.46 mm)
Panel Thickness (max.)	0.156" (3.96 mm)
Wire Leads	24 AWG - UL1430 rated, 5.5" (140 mm) long, stripped .5" **Anode (+)**: Red lead (Single Color) and Green and Red leads (Bicolor)
Mounting Torque	15 in-lbs (17.28 kg-cm)

Temperature Specifications

Operating Temperature	-25°C to +80°C -13°F to +176°F
Storage Temperature	-30°C to +100°C -22°F to +212°F

Optical Ratings*

Part Number	Color	Luminance (fL)
PML50RFVW	Red	1150
PML50YFVW	Yellow	2700
PML50WFVW	White	3600
PML50GFVW	Green	4850
PML50BFVW	Blue	306
PML50RGFVW	Red/Green	1830/1820

*Test Parameters: Voltage at 24VDC and Temperature at 25°C or 77°F

Compliances and Approvals

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[VCC](#):
[PML50GFVW](#) [PML50WFVW](#) [PML50BFVW](#) [PML50RGFVW](#) [PML50YFVW](#) [PML50RFVW](#) [PML50SWFVW](#)
[PML50SGFVW](#) [PML50SRFVW](#) [PML50SRGFVW](#) [PML50SYFVW](#)