



# LTHxMM12V Series

3mm (T-1) & 5mm (T-1 3/4)

Ultra Bright Through Hole LED with flange  
Built-in Resistor for 12V



The LTHxMM12V Series, a through hole LED indicator with a built-in resistor for 12V DC applications. The built-in resistor not only simplifies and accelerates the design and manufacturing processes, but also offers significant space and cost savings by eliminating the need for an additional resistor.



## Mounting Type

[Through Hole LED](#)

## Technology

[Built in Resistor for 12V DC](#)

## Color

[Red, Green, Blue, Yellow, White](#)

## LED Package

[3mm \(T-1\) , 5mm \(T-1 3/4\)](#)

## Lens Type

[Domed Top with Water Clear Lens](#)

## Compliance

[RoHS, REACH](#)

The LTHxMM12V Series is a high brightness LED, equipped with a built-in resistor for 12V operation that enables easy design, and provides space saving benefit.

The through hole LED has a domed top with a water clear lens and is available in a range of colors (red, green, white, blue, yellow). The flange lead frame style makes it ideal for status indication and display applications.

LTHxMM12V Series offers superior light output for excellent readability in sunlight, dependable performance, and can be connected to 12V power supply without additional components.

The LTHxMM12V High Brightness LED Series simplifies design and manufacturability, and improves the device's overall reliability for use in a multitude of applications such as automotive industry, boats, landscape lighting, storage servers and is ideal for outdoor applications.

## Product Specification

- Mounting type: Through Hole LED with flange
- Built-in resistor for 12V DC
- Single color: Red, Green, Blue, Yellow, White
- LED package: 3mm (T1) or 5mm (T1-3/4)
- Dome top with water clear lens
- Different viewing angle depending on LED package and color
- Compliant with RoHS and REACH requirements



## Applications



Boats



Automotive Industry



Storage Servers

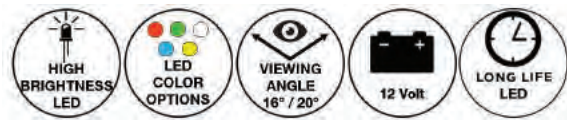
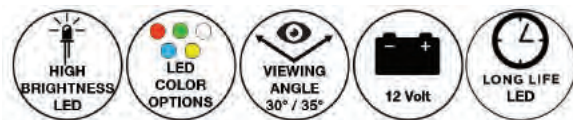
## Part Number

### LTH3MM12V Series

Part Number	LED Size	Viewing Angle	Color
LTH3MM12VFR4100	3mm	30 degree	Red
LTH3MM12VFR4400	3mm	30 degree	Green
LTH3MM12VFR4500	3mm	35 degree	White
LTH3MM12VFR4600	3mm	30 degree	Blue
LTH3MM12VFR4700	3mm	30 degree	Yellow

### LTH5MM12V Series

Part Number	LED Size	Viewing Angle	Color
LTH5MM12VFR4100	5mm	16 degree	Red
LTH5MM12VFR4400	5mm	16 degree	Green
LTH5MM12VFR4500	5mm	20 degree	White
LTH5MM12VFR4600	5mm	20 degree	Blue
LTH5MM12VFR4700	5mm	16 degree	Yellow



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