

## **Introducing** Low and High Intensity LED Light Pipe

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# Low and High Intensity LED Light Pipe

## KEY FEATURES

- Complete solution with LED, Light Pipe Holder, Driver and Cables
- Low Intensity Light Engine Assembly includes a 1/2 watt LED and driver
- High Intensity Light Socket Assembly available for 1 to 5 watt LED
- High Intensity Light Socket Assembly accepts commercially available Star Board LEDs
- Double Sided Light Engine and Light Socket Assembly maximizes light output
- Both 5mm and 10mm Light Pipes available in optical grade clear acrylic
- 1/2 Watt LED Engine Assembly with integrated DC driver does not require any additional heat sink or forced air cooling
- Light Pipe Holder allows the reflector strip to be oriented in 4 different positions for directional lighting flexibility
- LED light source located on end of LIGHT Pipe rod for remote lighting applications
- Options for curved Light Pipes
- Maximum recommended length is 2 meters/78 inches
- Light pipe can be linear or configured in various shapes
- Black anodized heat sink available upon special request

## DESCRIPTIONS

Linear light source using a TE proprietary large core optical fiber rod that projects a band of light along the entire length of the Light Pipe using one or more LEDs.

## APPLICATIONS

Accent/trim lighting found in commercial building, industrial, appliance, rail, motor vehicle and commercial aircraft

## ELECTRICAL

### High Intensity Light Socket

Operating Voltage : Socket can accommodate up to 50V max

Operating Current : Socket can accommodate up to 2500mA

Maximum wattage : Up to 5 watts is possible

Dependant on LED Type

Dependant on max LED Junction Temperature & Environmental conditions

### Low Intensity Light Engine

Input Voltage : Universal 7-27VDC

LED Wattage Rating : 1/2 watt

## MATERIALS

### Light Pipe

Clear and White Acrylic

### Low Intensity Light Engine Assembly

Housing : PB

PCB : FR4

### High Intensity Light Socket Assembly

Contact Carrier : PBT

Locking Ring : PBT

Contacts : Copper Alloy - Tin Plated

Heat Sink : Cast Aluminum

## STANDARDS AND SPECS

### Low Intensity Light Engine Assembly

**108-2347** : Design Objectives

**114-13241** : Application Specification

### High Intensity Light Socket Assembly

**108-2348** : Design Objectives

**114-13232** : Application Specification

### UL 8750

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## MECHANICAL

- 5mm and 10mm diameter Light Pipe
- Light Pipe lengths of up to 2 meters
- Complete LED Engine, Driver, Light Pipe Holder

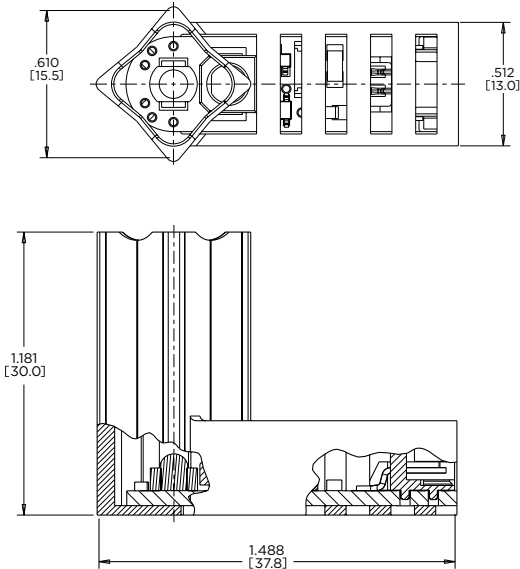
## PRODUCT OFFERING

- 2008876-1** : 10mm Low Intensity Light Engine Assembly
- 2008876-2** : 5mm Low intensity Light Engine Assembly
- 2008639-1** : High Intensity Light Socket Assembly (10mm only)
- 2058295-X** : 10mm Light Pipe (various lengths available, see customer drawing)
- 2058296-X** : 5mm Light Pipe (various lengths available, see customer drawing)

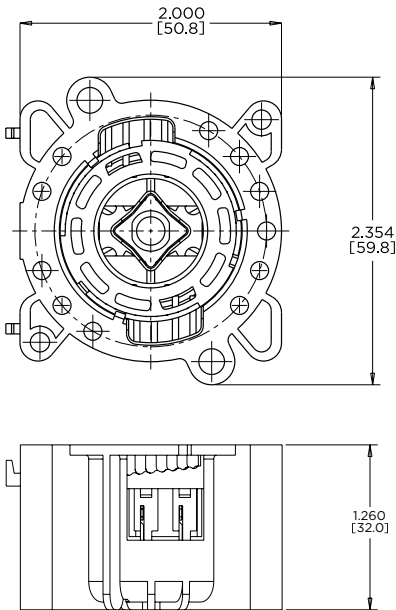
## OPTIONAL ACCESSORIES

- 2058329-1** : Thermally Conductive Pad
- 2058077-1** : 2 Position CT Low Intensity Light Engine Cable Assembly
- 2058102-1** : ULTRA-FAST High Intensity Light Socket Cable Assembly 1.52 mm [6.00] long (Black)
- 2058102-2** : ULTRA-FAST High Intensity Light Socket Cable Assembly 1.52 mm [6.00] long (Red)

### Low Intensity Light Engine



### High Intensity Light Engine



## FOR MORE INFORMATION

[www.tycoelectronics.com/lighting](http://www.tycoelectronics.com/lighting)

### Technical Support

Internet:	<a href="http://www.tycoelectronics.com/help">www.tycoelectronics.com/help</a>
USA:	+1 (800) 522-6752
Canada:	+1 (905) 470-4425
Mexico & Central America:	+52(0) 55-1106-0814
South America:	+55 (0) 11-2103-6000
Germany:	+49 (0) 6251-133-1999
UK:	+44 (0) 8706-080208
France:	+33 (0) 1-3420-8686
Netherlands:	+31 (0) 73-6246-999
China:	+86 (0) 400-820-6015

Part numbers in this brochure are RoHS Compliant\*, unless marked otherwise.

\*as defined [www.tycoelectronics.com/leadfree](http://www.tycoelectronics.com/leadfree)

### Tyco Electronics Corporation

Harrisburg, PA

[tycoelectronics.com](http://tycoelectronics.com)

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6-1773453-7 3M FP 01/2010

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