

Introducing Low and High Intensity LED Light Pipe

 **Tyco Electronics**
Our commitment. Your advantage.

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

Low and High Intensity LED Light Pipe

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

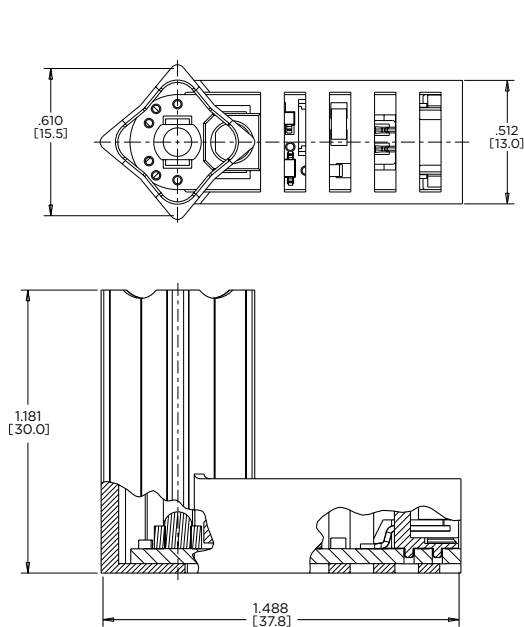
2058329-1 : Thermally Conductive Pad

2058077-1 : 2 Position CT Low Intensity Light Engine Cable Assembly

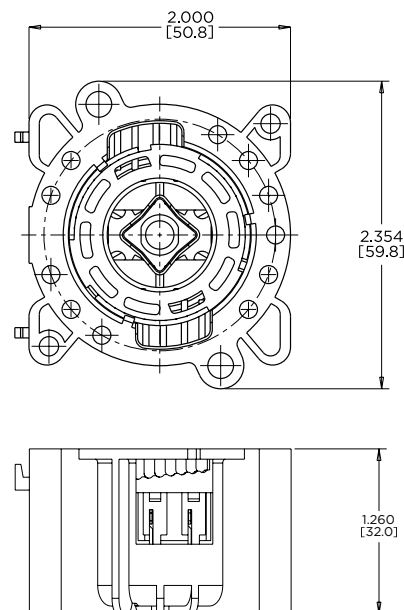
2058102-1 : ULTRA-FAST High Intensity Light Socket Cable Assembly 1.52 mm [6.00] long (Black)

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

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

*as defined www.tycoelectronics.com/leadfree

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