



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



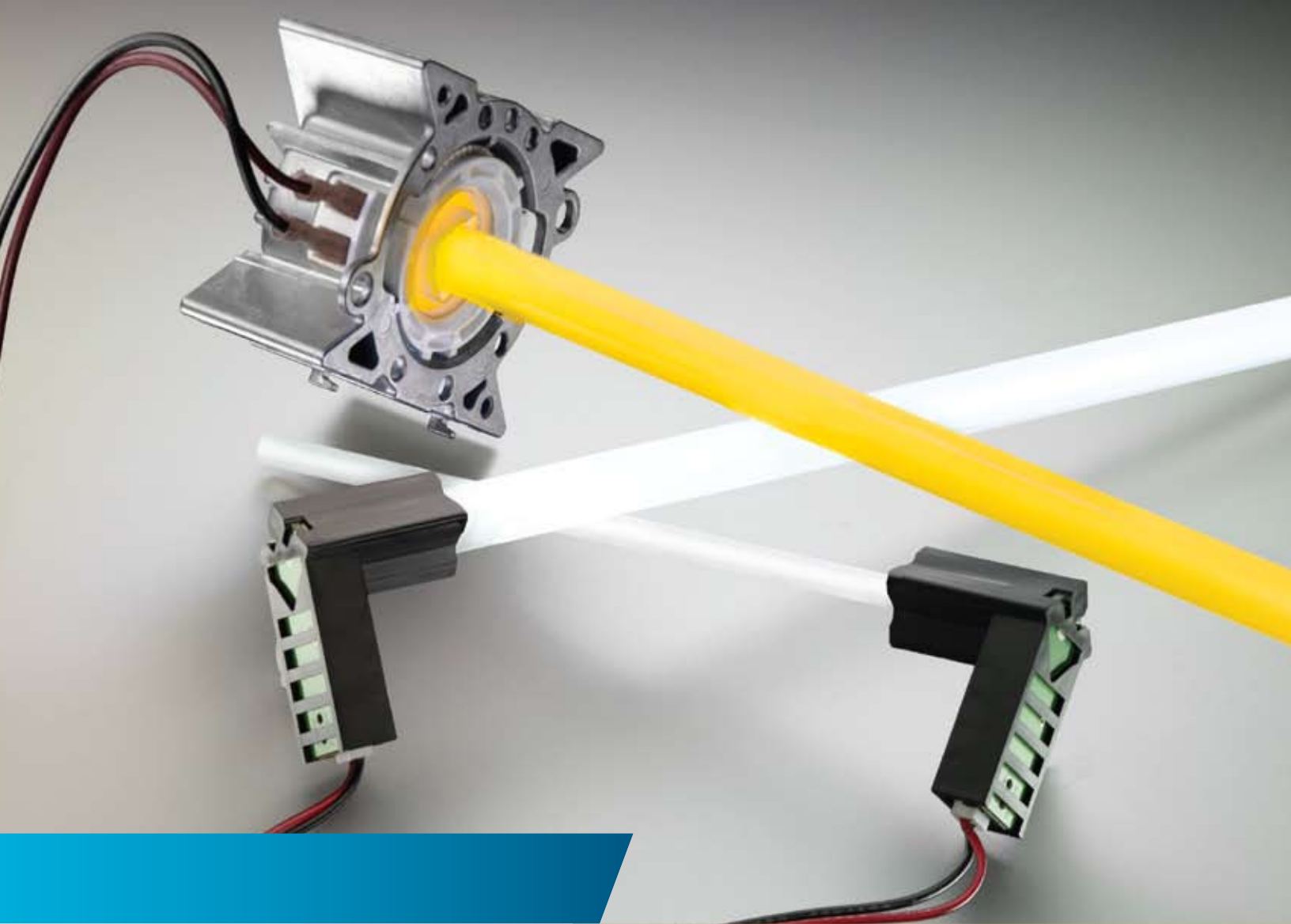
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Introducing
Low and High Intensity LED Light Pipe

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

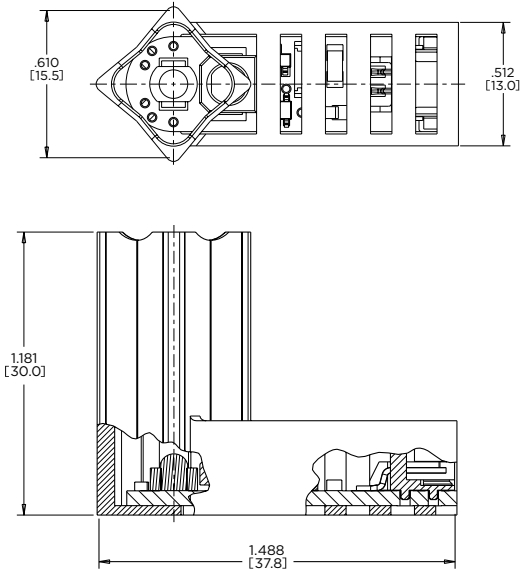
PRODUCT OFFERING

- 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)

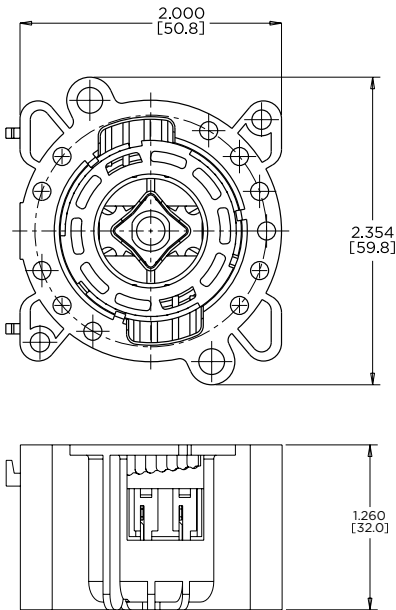
OPTIONAL ACCESSORIES

- 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

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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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