# 5mm Round
## *micro*LED® Optopipe®
## Optical Light Pipe, 3 Array

# Dialight
# 515-1010



NOTE: designed for post-reflow PC board insertion.

DIRECTION OF LIGHT

Dimensions in mm [inches]

RECOMMENDED SOLDER/HOLE LAYOUT
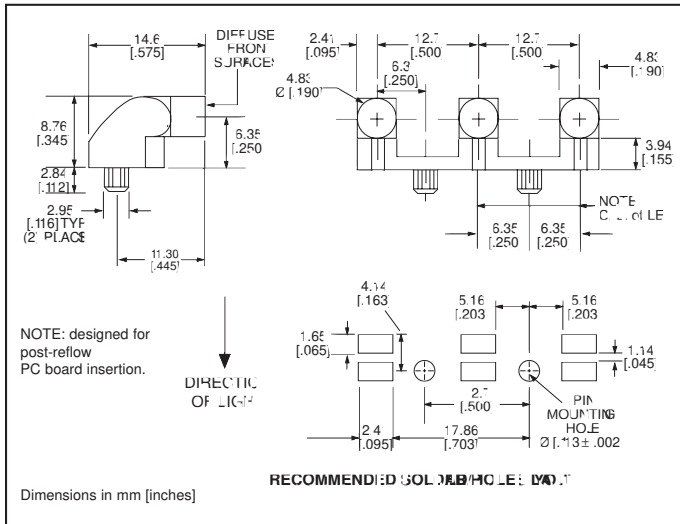
## Recommended MicroLED SMT LEDs for use with 515-1010

| PART NO. | COLOR | PAGE # |
|----------|-------|--------|
| 597-3001-2xx | Red | 1-21 |
| 597-3111-5xx | AlGaAs Red | 1-30 |
| 597-3121-2xx | AlGaAs Red | 1-21 |
| 597-3211-2xx | Orange | 1-21 |
| 597-3211-5xx | Orange | 1-30 |
| 597-3301-2xx | Green | 1-21 |
| 597-3301-5xx | Green | 1-30 |
| 597-3401-2xx | Yellow | 1-21 |
| 597-3401-5xx | Yellow | 1-30 |
| 597-7701-2xx | Red/Green | 1-23 |
| 597-7701-5xx | Red/Green | 1-31 |
| 597-7721-2xx | Yellow/Green | 1-23 |
| 597-7721-5xx | Yellow/Green | 1-31 |
| 597-7731-2xx | Red/Yellow | 1-24 |

## Features

- High transmissivity polycarbonate material
- UL94V-0 compliance
- ESD protection (circuit isolation from front panel)
- Wide viewing angle
- Arrays reduce insertion costs
- Designed to replace 5mm right angle through-hole device
- Compatible with Dialight's 515-1011 single position Optopipe® Light Pipe
- Secures to PCB by press-fit

## LED Data

For absolute maximum ratings and other electrical and optical data on the recommended LEDs, refer to LED data sheets.

## Operating/Storage Temperature

–30°C to +100°C

## Dialight *Optopipe®* Light Pipe Description

This light pipe's larger light emitting surfaces appear bright and are optically well isolated. It is reliably held in place by 2 press-fit pins located between the light pipe elements. This Optopipe® functions as a through-the-case indicator with a textured finish on the 3 light emitting surfaces that increases its viewing angle. The recommended light sources are Dialight's 597 Series PLCC-2 or PLCC-4 Type SMT LEDs. The LEDs are mounted in a straight line on a 0.500" pitch. The light pipe material is water clear transmissive polycarbonate rated UL94-V0, and has a 35% oxygen index.

Dialight can provide custom Optopipe® solutions for your applications.