Dialight
Signals & Components

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515 SERIES

Vertical Board Mount OPTOPIPE® Light Pipes

3mm Diameter Output

MECHANICAL / SPECIFICATIONS

MOUNTING HOLE SIZE:
0.063" (1.6 mm)

MIN. PANEL THICKNESS:
0.063" (1.60mm)

OPERATING TEMPERATURE:
-30°C to +100°C (-22°F to +212°F)

STORAGE TEMPERATURE:
-30°C to +100°C (-22°F to +212°F)

CERTIFICATIONS & RATINGS

RoHS compliant

FEATURES & BENEFITS

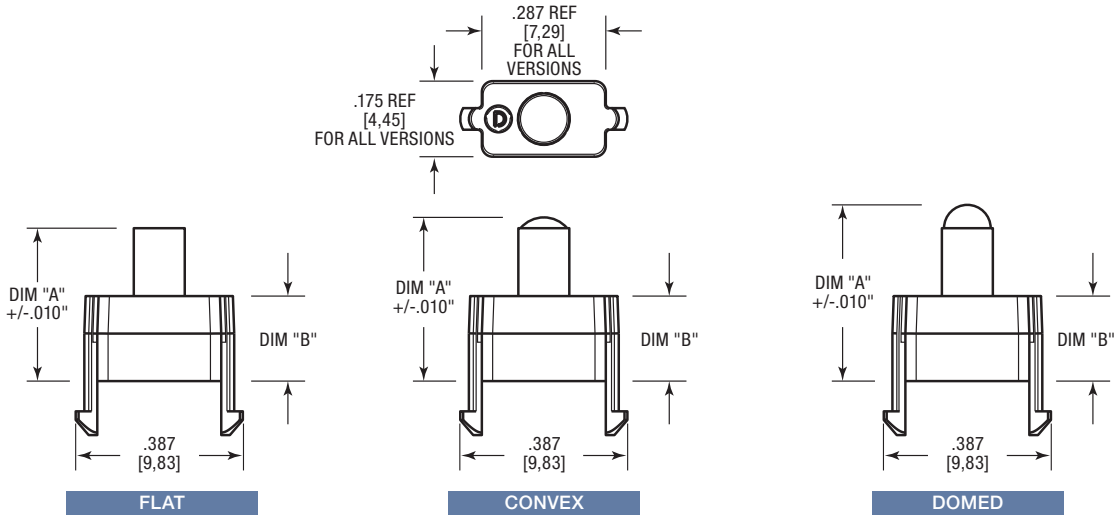
- Lengths varying from .250" to 1.250"
- Three lens styles for optimal viewing angles; flat, convex, and domed
- Designed for both single and multi-color LEDs
- Positive snap-in mounting to .063" ± .007" (1.6 ± 0.178 mm) PCB with opaque light barrier
- Low-voltage and minimal power consumption
- Light is produced through photonic emission, not as a by-product of a radiating heat source
- Molded from RoHS compliant UL94-V0 water clear polycarbonate with an oxygen index of 35%
- Designed to be used with Dialight PLCC-2 and PLCC-4 surface mount LEDs 597-XXXX-207NF (pad layout shown). See the Surface Mount Selector Guide for LED operating characteristics. Lower profile surface mount LEDs in 598 and 597 series can be used as well as reverse mount LEDs. Please consult factory for availability.

APPLICATION

Dialight vertical board mount OPTOPIPE® light pipes provide an excellent solution for products that contain a PCB that is parallel to the panel in need of indication. These UL94-V0 water clear polycarbonate light pipes are secured to the PCB using a custom snap-fit base that is easy to install. Vertical light pipes are ideal for building automation and other industrial applications. Dialight's OPTOPIPE® light pipes provide a great way to efficiently transfer light.

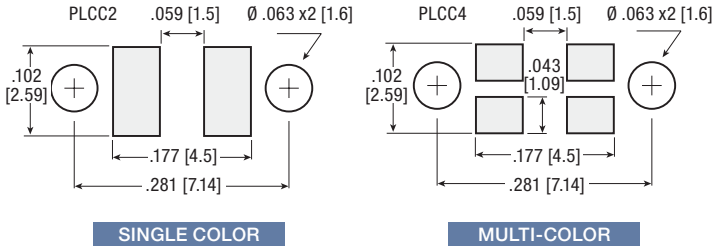
DIMENSIONS inches [mm]

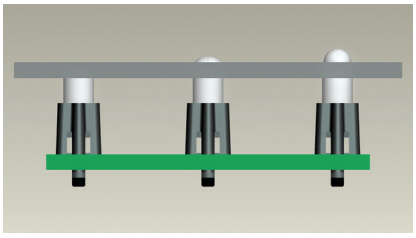
Standard tolerance of +/- .005" [.127] applies unless otherwise specified.

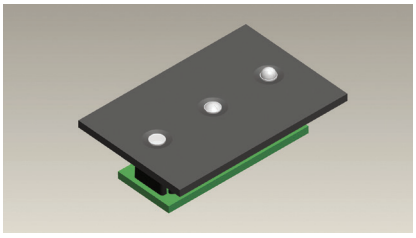


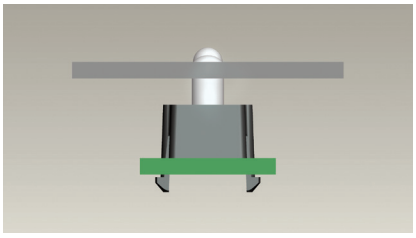
RECOMMENDED SOLDER PAD AND THROUGH HOLE LAYOUT

Tolerance: +/-.002" [.051]









ORDERING INFORMATION >

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FLAT LENS

Part Number			Dim "A"	Dim "B"
PLCC or PLCC4 LED	Chip LED	Reverse Mount LED		
Clear				
515-1192-00250F	515-1192-10250F	515-1192-20250F	.250 [6.35]	.197 [5.0]
515-1192-00300F	515-1192-10300F	515-1192-20300F	.300 [7.62]	.197 [5.0]
515-1192-00350F	515-1192-10350F	515-1192-20350F	.350 [8.89]	.197 [5.0]
515-1192-00400F			.400 [10.16]	.197 [5.0]
515-1192-00450F	515-1192-10450F	515-1192-20450F	.450 [11.43]	.197 [5.0]
515-1192-00550F	515-1192-10550F	515-1192-20550F	.550 [13.97]	.375 [9.53]
515-1192-00600F			.600 [15.24]	.375 [9.53]
515-1192-00630F	515-1192-10630F	515-1192-20630F	.630 [16.00]	.375 [9.53]
515-1192-00800F	515-1192-10800F	515-1192-20800F	.800 [20.32]	.375 [9.53]
515-1192-00900F	515-1192-10900F	515-1192-20900F	.900 [22.86]	.375 [9.53]
515-1192-01000F	515-1192-11000F	515-1192-21000F	1.000 [25.4]	.375 [9.53]
Diffused				
515-1192-00250DF	515-1192-10250DF		.250 [6.35]	.197 [5.0]
515-1192-00350DF			.350 [8.89	.197 [5.0]
515-1192-00550DF			.550 [13.97]	.375 [9.53]

CONVEX LENS

Part Number	Dim "A"	Dim "B"
PLCC or PLCC4 LED		
Clear		
515-1193-00300F	.300 [7.62]	.197 [5.0]
515-1193-00350F	.350 [8.89]	.197 [5.0]
515-1193-00450F	.450 [11.43]	.197 [5.0]
515-1193-00550F	.550 [13.97]	.375 [9.53]
515-1193-00630F	.630 [16.00]	.375 [9.53]
515-1193-00800F	.800 [20.32]	.375 [9.53]
515-1193-00900F	.900 [22.86]	.375 [9.53]
515-1193-01000F	1.000 [25.4]	.375 [9.53]
Diffused		
515-1193-00450DF	.450 [11.43]	.197 [5.0]

DOMED LENS

Part Number	Dim "A"	Dim "B"
PLCC or PLCC4 LED		
Clear		
515-1194-00300F	.300 [7.62]	.197 [5.0]
515-1194-00350F	.350 [8.89]	.197 [5.0]
515-1194-00450F	.450 [11.43]	.197 [5.0]
515-1194-00709F	.709 [18.01]	.375 [9.53]
515-1194-01000F	1.000 [25.4]	.375 [9.53]
515-1194-01169F	1.169 [29.69]	.375 [9.53]

Part Number		Dim "A"	Dim "B"
PLCC or PLCC4 LED	Chip LED		
Diffused			
515-1194-00300DF	515-1194-10300DF	.300 [7.62]	.197 [5.0]
515-1194-00350DF	515-1194-10350DF	.350 [8.89]	.197 [5.0]
	515-1194-10450DF	.450 [11.43]	.197 [5.0]
515-1194-00512DF		.512 [13]	.197 [5.0]
515-1194-00610DF		.610 [15.49]	.375 [9.53]
515-1194-00630DF		.630 [16.00]	.375 [9.53]
515-1194-00650DF		.650 [16.51]	.375 [9.63]
	515-1194-10800DF	.800 [20.32]	.375 [9.63]
515-1194-01169DF		1.169 [29.69]	.375 [9.63]

RoHS compliant

Dialight reserves the right to make changes at any time in order to supply the best product possible. The most current version of this document will always be available at: www.dialightsignalsandcomponents.com

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