



515 SERIES

Configurable Height And Length, Right Angle OPTOPIPE® Light Pipes

3mm Diameter Output

MECHANICAL / SPECIFICATIONS

MOUNTING HOLE SIZE:

0.094" (2.39mm)

MIN. PANEL THICKNESS:

0.047" (1.194mm)

OPERATING TEMPERATURE:

-40°C to +100°C

STORAGE TEMPERATURE:

-40°C to +100°C

CERTIFICATIONS & RATINGS

RoHS compliant

SUGGESTED LEDS

SINGLE COLOR:

597-3XXX-207F/NF, 598-8BX0-107F

BI-COLOR:

597-77XX-207F, 007F

TRI-COLOR:

597-77XX-007F, 907F

FEATURES & BENEFITS

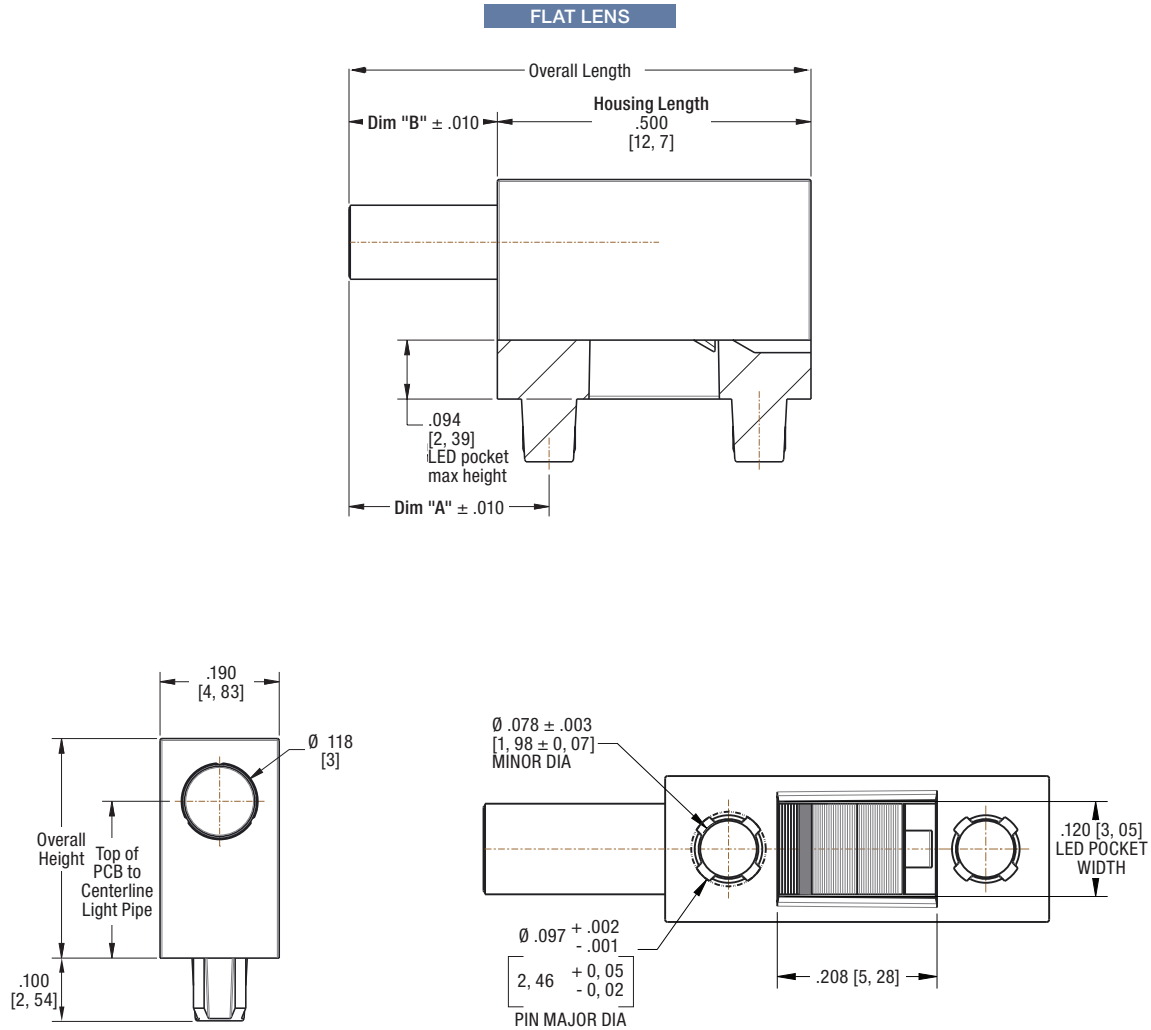
- Lengths varying from .319"–1.772"
- Heights varying from .200"–.500"
- Same board footprint across various heights and lengths
- Easy and secure installation via mounting pins on the housing
- Cost and time savings due to simplified board redesign
- No optical crosstalk, no light bleed
- Offers a high level of ESD protection
- Optical efficiency due to enclosed housing

APPLICATION

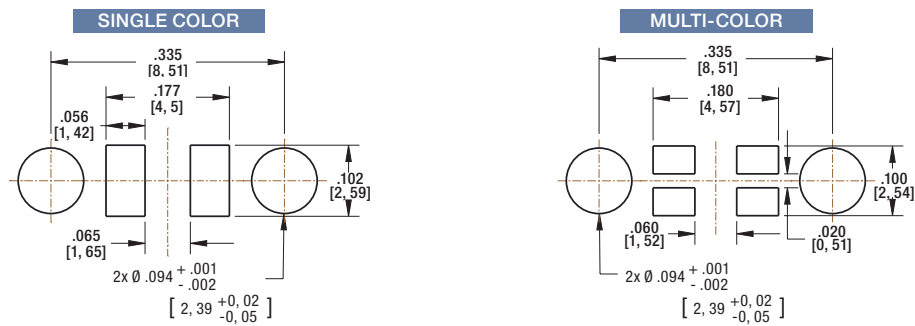
Dialight's 515 OPTOPIPE® light pipe series offers the same board footprint across various heights and lengths and provide cost savings by simplifying circuit board designs or redesigns. The areas of application include, but are not limited to:

- Telecom
- Networking
- Data storage
- Medical
- Test and measurement
- Automation controls
- EV-charging
- Home communication equipment
- AV equipment
- Industrial embedded solutions

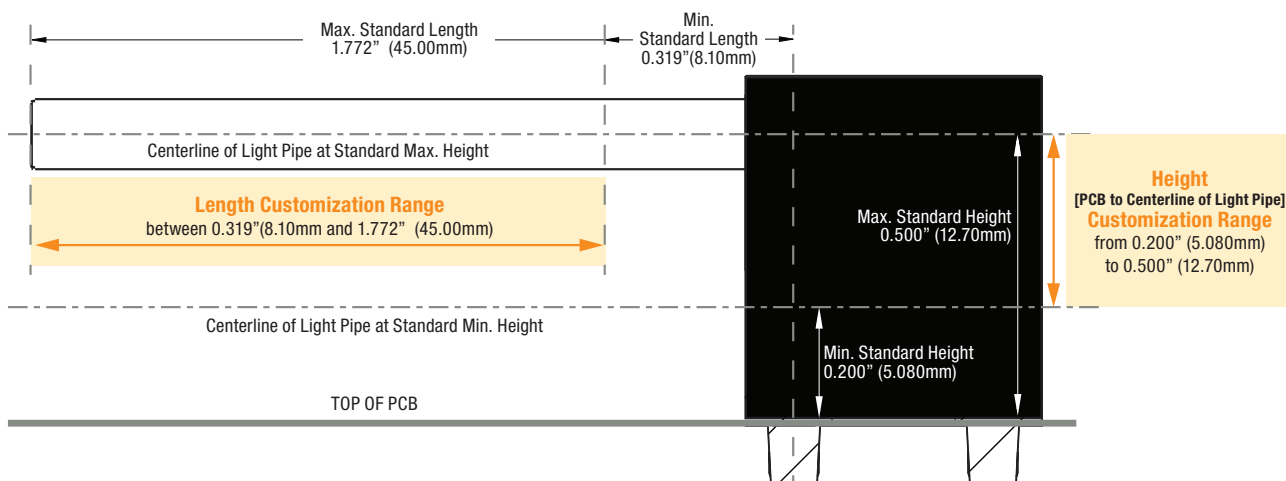
DIMENSIONS inches [mm]



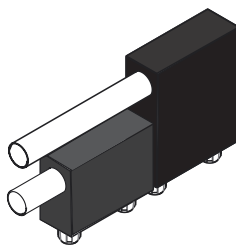
RECOMMENDED HOLE & PAD LAYOUT



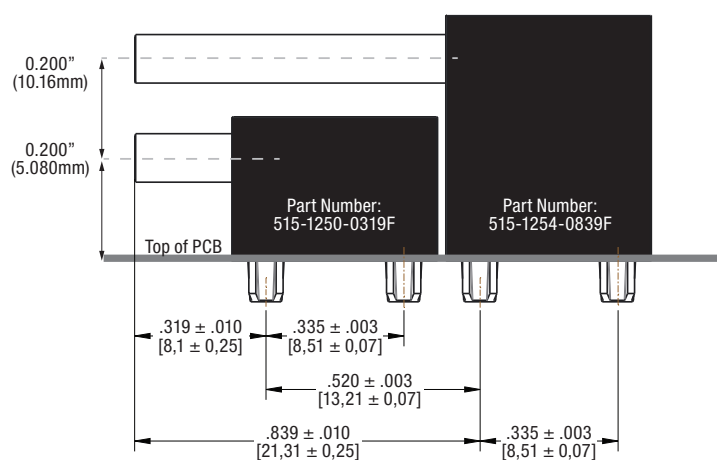
CUSTOMIZATION OPTIONS



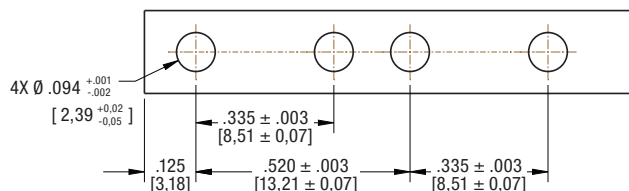
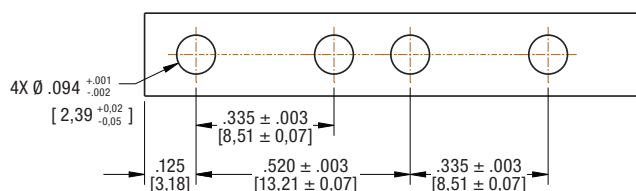
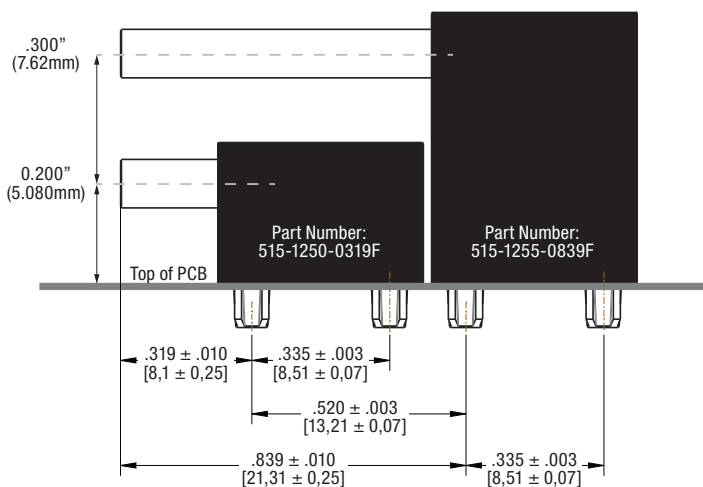
BI-LEVEL INDICATION OPTION



Bi-Level Indication Option
with 515-1254-0839F and 515-1250-0319F



Bi-Level Indication Option
515-1255-0839F and 515-1250-0319F



ORDERING INFORMATION

FLAT LENS

Part Number	Dim "A"	Dim "B"	Top of PCB to Centerline Light Pipe	Overall Height	Overall Length
515-1250-0319F	.319" (8.10mm)	.237" (6.01mm)	0.200" (5.080mm)	0.300" (7.62mm)	0.737" (18.72mm)
515-1250-0590F	.590" (15.00mm)	.508" (12.90mm)	0.200" (5.080mm)	0.300" (7.62mm)	1.008" (25.60mm)
515-1250-1181F	1.181" (30.00mm)	1.099" (27.91mm)	0.200" (5.080mm)	0.300" (7.62mm)	1.599" (40.615mm)
515-1250-1772F	1.772" (45.00mm)	1.690" (42.93mm)	0.200" (5.080mm)	0.300" (7.62mm)	2.190"(55.626mm)
515-1251-0319F	.319" (8.10mm)	.237" (6.01mm)	0.250" (6.35mm)	0.350" (8.89mm)	0.737" (18.72mm)
515-1251-0590F	.590" (15.00mm)	.508" (12.90mm)	0.250" (6.35mm)	0.350" (8.89mm)	1.008" (25.60mm)
515-1251-1181F	1.181" (30.00mm)	1.099" (27.91mm)	0.250" (6.35mm)	0.350" (8.89mm)	1.599" (40.615mm)
515-1251-1772F	1.772" (45.00mm)	1.690" (42.93mm)	0.250" (6.35mm)	0.350" (8.89mm)	2.190"(55.626mm)
515-1252-0319F	.319" (8.10mm)	.237" (6.01mm)	0.300" (7.62mm)	0.400" (10.16mm)	0.737" (18.72mm)
515-1252-0590F	.590" (15.00mm)	.508" (12.90mm)	0.300" (7.62mm)	0.400" (10.16mm)	1.008" (25.60mm)
515-1252-1181F	1.181" (30.00mm)	1.099" (27.91mm)	0.300" (7.62mm)	0.400" (10.16mm)	1.599" (40.615mm)
515-1252-1772F	1.772" (45.00mm)	1.690" (42.93mm)	0.300" (7.62mm)	0.400" (10.16mm)	2.190"(55.626mm)
515-1253-0319F	.319" (8.10mm)	.237" (6.01mm)	0.350" (8.89mm)	0.450" (11.43mm)	0.737" (18.72mm)
515-1253-0590F	.590" (15.00mm)	.508" (12.90mm)	0.350" (8.89mm)	0.450" (11.43mm)	1.008" (25.60mm)
515-1253-1181F	1.181" (30.00mm)	1.099" (27.91mm)	0.350" (8.89mm)	0.450" (11.43mm)	1.599" (40.615mm)
515-1253-1772F	1.772" (45.00mm)	1.690" (42.93mm)	0.350" (8.89mm)	0.450" (11.43mm)	2.190"(55.626mm)
515-1254-0319F	.319" (8.10mm)	.237" (6.01mm)	0.400" (10.16mm)	0.500" (12.70mm)	0.737" (18.72mm)
515-1254-0590F	.590" (15.00mm)	.508" (12.90mm)	0.400" (10.16mm)	0.500" (12.70mm)	1.008" (25.60mm)
515-1254-0839F	.839" (21.31mm)	.757" (19.23mm)	0.400" (10.16mm)	0.500" (12.70mm)	1.257" (31.93mm)
515-1254-1181F	1.181" (30.00mm)	1.099" (27.91mm)	0.400" (10.16mm)	0.500" (12.70mm)	1.599" (40.615mm)
515-1254-1772F	1.772" (45.00mm)	1.690" (42.93mm)	0.400" (10.16mm)	0.500" (12.70mm)	2.190"(55.626mm)
515-1255-0319F	.319" (8.10mm)	.237" (6.01mm)	0.500" (12.70mm)	0.600" (15.24mm)	0.737" (18.72mm)
515-1255-0590F	.590" (15.00mm)	.508" (12.90mm)	0.500" (12.70mm)	0.600" (15.24mm)	1.008" (25.60mm)
515-1255-0839F	.839" (21.31mm)	.757" (19.23mm)	0.500" (12.70mm)	0.600" (15.24mm)	1.257" (31.93mm)
515-1255-1181F	1.181" (30.00mm)	1.099" (27.91mm)	0.500" (12.70mm)	0.600" (15.24mm)	1.599" (40.615mm)
515-1255-1772F	1.772" (45.00mm)	1.690" (42.93mm)	0.500" (12.70mm)	0.600" (15.24mm)	2.190"(55.626mm)



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

Warranty Statement: Except for the warranty expressly provided for at: www.dialight.com/resources/warranties/, Dialight disclaims any and all other warranties, express or implied, including, without limitation, any warranties of merchantability, fitness for a particular purpose, title, and noninfringement.