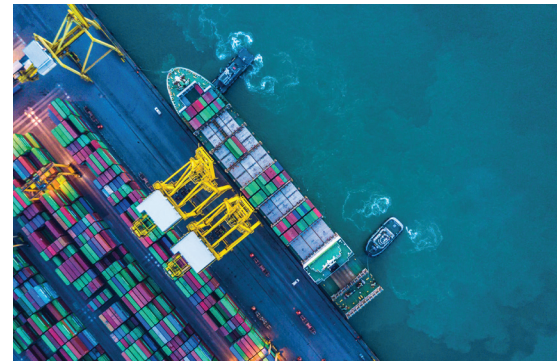




MARINE
PANEL MOUNT INDICATOR CATALOG

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Panel Mount Indicators For Tough Environments

Reliability - from rivers and lakes to the open sea

Electronic components used onboard ships, yachts, offshore platforms, and wind farms are consistently exposed to the elements and must be able to withstand corrosive salt spray, wind, and hydrostatic pressure. High quality, durability, and reliability are essential as these components are often mission- and safety-critical, like navigation systems, communication equipment, and operational controls.

The same stringent requirements apply to the subcomponents of these marine systems. LED indicators for example play a critical role in monitoring the operational status of any given system and providing visual alarms in case of system failure.

LED Panel Mount Indicators - that won't leave your application dead in the water

Dialight offers a large selection of indicator solutions with varying levels of protection that are uniquely suited for operation in marine environments.

They come in daylight viewable versions to ensure visibility even in bright sunlight and are available in a variety of color combinations and different lens styles.

Designed for mounting hole sizes from 0.283" (7.2mm) to 1" (25.4mm).

These specific LED panel mount indicators feature waterproof designs with additional seals and robust housings that are shock and vibration-proof. They are available with one or a combination of the following ratings and certifications:

- IP66
- IP67
- NEMA 4X
- UL 508 (E516890)
- IK10
- RoHS





Seamless performance under tough conditions

The unparalleled level of quality and reliability of our products, coupled with expert technical advice and first-rate customer service is why customers worldwide choose Dialight LED panel mount indicators for their marine applications.

Common areas of application include, but are not limited to:

- Engine and Power Controls
- GPS & Radar Systems
- Multi-function Navigation Controls
- Fish Finders/SONAR Modules
- Thermal & Visible Cameras
- Marine Electrical Screeners
- Marine VHF Communication Devices
- Audio/Video Equipment
- Autonomous Identification Systems
- Analogue & Digital Communication Equipment
- Safety and Security Systems





556 SERIES

Standard Panel Mount Indicators

MECHANICAL / SPECIFICATIONS

MOUNTING HOLE SIZE:
1.0" (25.4 mm)

MAX PANEL THICKNESS:
Flat: 0.600" (15.24 mm)
Dome: 0.187" (4.27 mm)

MOUNTING TORQUE: 40 in-lbs

VOLTAGE OPTIONS:
12 to 125VDC, and 125, 230VAC
(no resistor required)

OPERATING TEMP:
-30 °C to +85 °C (-22 °F to +185 °F)

STORAGE TEMP:
-40 °C to +100 °C (-40 °F to +212 °F)

ELECTRICAL CONNECTION:
6-32 screw terminals

HOUSING: Brass – White or Black Nickel Plated

TERMINALS: Brass – Hot solder dip
per Mil-F-14072D, M258, Type II

LENS MATERIAL:
Transparent Polycarbonate (UL 94V-0)

LOCK WASHER: Phosphor Bronze –
White or Black Nickel Plated

NUT: Brass – White or Black Nickel Plated

CERTIFICATIONS & RATINGS

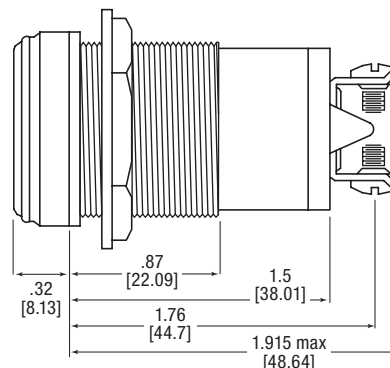
UL 508
IP66
NEMA 4X
RoHS Compliant w/6C exemption
IK07

APPLICATION

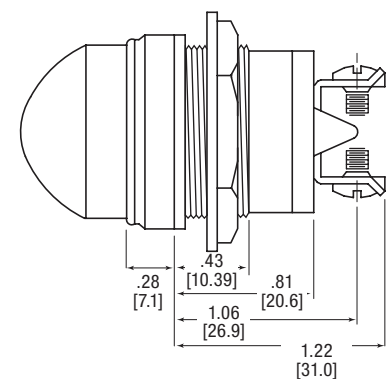
The 556 Series LED Panel Mount Indicators incorporate both InGaN and AlInGaP technologies to offer maximum light output. This is a highly durable package, designed to withstand outdoor applications susceptible to rain, dust and sunlight:

- Instrument panels
- Safety applications
- Transportation: rail, bus, airline
- Vending, gaming
- Lane control
- Display lighting

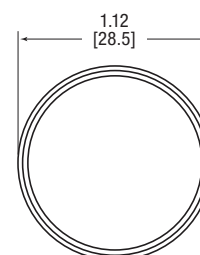
DIMENSIONS inches [mm]



FLAT



DOMED



ORDERING INFORMATION

FLAT LENS

White Nickel	Black Nickel	Color	Voltage (VDC)	Typ Current (mA)	Typical Intensity (mcd)
556-1003-304F	556-1003-204F	○ White	12	60	61,000
556-1503-304F	556-1503-204F	● Red		95	22,000
556-1603-304F	556-1603-204F	● Green		60	41,500
556-1683-304F	556-1683-204F	● Cyan		60	37,000
556-1703-304F	556-1703-204F	● Yellow		95	13,500
556-1803-304F	556-1803-204F	● Blue		60	13,000
556-1903-304F	556-1903-204F	● Orange		95	11,500
556-1004-304F	556-1004-204F	○ White	24	32	61,000
556-1504-304F	556-1504-204F	● Red		46	22,000
556-1604-304F	556-1604-204F	● Green		32	41,500
556-1684-304F	556-1684-204F	● Cyan		32	37,000
556-1704-304F	556-1704-204F	● Yellow		46	13,500
556-1804-304F	556-1804-204F	● Blue		32	13,000
556-1904-304F	556-1904-204F	● Orange		46	11,500
556-1508-304F	556-1508-204F	● Red	37.5	20	14,000
556-1608-304F	556-1608-204F	● Green		16	54,000
556-1708-304F	556-1708-204F	● Yellow		20	12,750
556-1506-304F	556-1506-204F	● Red	72	18.5	15,000
556-1606-304F	556-1606-204F	● Green		16	45,500
556-1706-304F	556-1706-204F	● Yellow		20	9,000
556-1806-304F	556-1806-204F	● Blue		18.5	15,000
556-1007-304F		○ White	125	10.5	36,000
556-1507-304F		● Red		10	8,000
556-1607-304F		● Green			27,000
556-1707-304F		● Yellow			5,750
556-1005-304F		○ White	125	11	35,000
556-1505-304F		● Red		10.5	8,000
556-1605-304F		● Green		9.5	29,000
556-1685-304F		● Cyan		9.5	24,750
556-1705-304F		● Yellow		10.5	5,750
556-1805-304F		● Blue		9.5	7,750
556-1905-304F		● Orange		10.5	6,000
556-1009-304F		○ White	230	6	35,000
556-1509-304F		● Red		7	8,000
556-1609-304F		● Green			29,000
556-1709-304F		● Yellow			5,750
556-1809-304F		● Blue			7,750
556-1909-304F		● Orange			6,000

FLAT LENS, DIFFUSED

White Nickel	Black Nickel	Color	Voltage	Typ Current (mA)	Typical Intensity (mcd)
556-1813-304F		● Blue	12	60	13,000

ORDERING INFORMATION

DOMED LENS

White Nickel	Black Nickel	Color	Voltage (VDC)	Typ Current (mA)	Typical Intensity (mcd)
556-3003-304F	556-3003-204F	○ White	12	60	17,000
556-3503-304F	556-3503-204F	● Red		95	14,000
556-3603-304F	556-3603-204F	● Green		60	14,000
556-3683-304F	556-3683-204F	● Cyan		60	11,500
556-3703-304F	556-3703-204F	● Yellow		95	4,000
556-3803-304F	556-3803-204F	● Blue		60	12,000
556-3903-304F	556-3903-204F	● Orange		95	3,500
556-3004-304F	556-3004-204F	○ White	24	32	17,000
556-3504-304F	556-3504-204F	● Red		46	14,000
556-3604-304F	556-3604-204F	● Green		32	14,000
556-3684-304F	556-3684-204F	● Cyan		32	11,500
556-3704-304F	556-3704-204F	● Yellow		46	4,000
556-3804-304F	556-3804-204F	● Blue		32	12,000
556-3904-304F	556-3904-204F	● Orange		46	3,500
556-3508-304F	556-3508-204F	● Red	37.5	20	4,750
556-3608-304F	556-3608-204F	● Green		16	15,750
556-3708-304F	556-3708-204F	● Yellow		20	3,250
556-3506-304F	556-3506-204F	● Red	72	18.5	4,200
556-3606-304F	556-3606-204F	● Green		16	14,250
556-3706-304F	556-3706-204F	● Yellow		20	2,600
556-3806-304F	556-3806-204F	● Blue		18.5	4,500
556-3007-304F		○ White	125	10.5	10,250
556-3507-304F		● Red		10	2,500
556-3607-304F		● Green			8,250
556-3707-304F		● Yellow			1,500
556-3005-304F		○ White	125	11	10,250
556-3505-304F		● Red		10.5	2,500
556-3605-304F		● Green		9.5	9,500
556-3685-304F		● Cyan		9.5	6,500
556-3705-304F		● Yellow		10.5	1,750
556-3805-304F		● Blue		9.5	3,000
556-3905-304F		● Orange		10.5	1,750
556-3009-304F		○ White	230	6	10,250
556-3509-304F		● Red		7	2,500
556-3609-304F		● Green			9,500
556-3709-304F		● Yellow			1,750
556-3809-304F		● Blue			3,000
556-3909-304F		● Orange			1,750



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556 SERIES

Daylight Viewable Panel Mount Indicators

MECHANICAL / SPECIFICATIONS

MOUNTING HOLE SIZE:

1.0" (25.4 mm)

MAX PANEL THICKNESS:

0.600" (15.24 mm)

MOUNTING TORQUE: 40 in-lbs

VOLTAGE OPTIONS:

12 to 125VDC, and 125, 230VAC
(no resistor required)

OPERATING TEMP:

-30 °C to +85 °C (-22 °F to +185 °F)

STORAGE TEMP:

-40 °C to +100 °C (-40 °F to +212 °F)

ELECTRICAL CONNECTION:

6-32 screw terminals

HOUSING: Brass—

White or Black Nickel Plated

TERMINALS: Brass— Hot solder dip
per Mil-F-14072D, M258, Type II

LENS MATERIAL: Clear UV Stabilized
Polycarbonate (UL 94V-0)

LOCK WASHER: Phosphor Bronze—
White or Black Nickel Plated

NUT: Brass—White or Black Nickel Plated

CERTIFICATIONS & RATINGS

UL 508

IP66

NEMA 4X

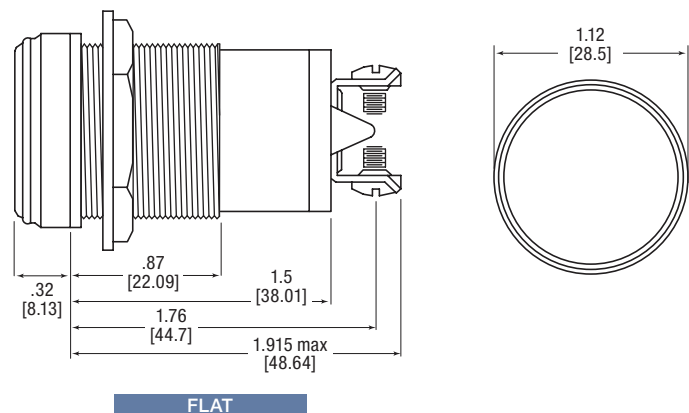
RoHS Compliant w/6C exemption

APPLICATION

The 556 Series LED Panel Mount Indicators incorporate both InGaN and AlInGaP technologies to offer maximum light output. This is a highly durable package, designed to withstand outdoor applications susceptible to rain, dust and sunlight:

- Instrument panels
- Safety applications
- UL 508 panel applications
- Agricultural controls
- Power generators
- Environmental monitoring equipment
- Ground support vehicles
- Pump system controllers
- Transportation - rail, bus, airline
- Lane control
- Display lighting

DIMENSIONS inches [mm]



ORDERING INFORMATION

White Nickel	Black Nickel	Color	Voltage	Typ Current (mA)	Typ Intensity (mcd)
556-1503-314F	556-1503-214F	● Red	12 VDC	95	27,250
556-1603-314F	556-1603-214F	● Green		60	71,500
556-1683-314F	556-1683-214F	● Cyan		60	48,250
556-1703-314F	556-1703-214F	● Yellow		95	17,500
556-1803-314F	556-1803-214F	● Blue		60	24,000
556-1903-314F	556-1903-214F	● Orange		95	22,250
556-1504-314F	556-1504-214F	● Red	24 VDC	46	27,250
556-1604-314F	556-1604-214F	● Green		32	71,500
556-1684-314F	556-1684-214F	● Cyan		32	48,250
556-1704-314F	556-1704-214F	● Yellow		46	17,500
556-1804-314F	556-1804-214F	● Blue		32	24,000
556-1904-314F	556-1904-214F	● Orange		46	22,250
556-1508-314F	556-1508-214F	● Red	37.5 VDC	20	26,750
556-1608-314F	556-1608-214F	● Green		16	80,000
556-1708-314F	556-1708-214F	● Yellow		20	18,000
556-1506-314F	556-1506-214F	● Red	72 VDC	18.5	20,500
556-1606-314F	556-1606-214F	● Green		16	65,500
556-1706-314F	556-1706-214F	● Yellow		20	15,000
556-1507-314F		● Red	125 VDC	10	14,000
556-1607-314F		● Green			44,750
556-1707-314F		● Yellow			8,250
556-1505-314F		● Red	125 VAC	10.5	13,500
556-1605-314F		● Green		9.5	43,750
556-1685-314F		● Cyan		9.5	32,000
556-1705-314F		● Yellow		10.5	9,000
556-1805-314F		● Blue		9.5	16,000
556-1905-314F		● Orange		10.5	11,000
556-1509-314F		● Red	230 VAC	7	13,500
556-1609-314F		● Green			43,750
556-1709-314F		● Yellow			9,000
556-1809-314F		● Blue			16,000
556-1909-314F		● Orange			11,000



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556 SERIES

Standard Panel Mount Indicators

Constant Intensity, 18–48 VDC

MECHANICAL / SPECIFICATIONS

MOUNTING HOLE SIZE:

1.0" (25.4 mm)

MAX PANEL THICKNESS:

Flat: 0.600" (15.24 mm)

Dome: 0.187" (4.27 mm)

MOUNTING TORQUE: 40 in-lbs

VOLTAGE OPTIONS: 18–48 VDC
(internal resistor included)

OPERATING TEMP:

-30 °C to +85 °C (-22 °F to +185 °F)

STORAGE TEMP:

-40 °C to +100 °C (-40 °F to +212 °F)

ELECTRICAL CONNECTION:

6-32 screw terminals

HOUSING: Brass–

White or Black Nickel Plated

TERMINALS: Brass–Hot solder dip
per Mil-F-14072D, M258, Type II

LENS MATERIAL: Transparent
Polycarbonate (UL 94V-0)

LOCK WASHER: Phosphor Bronze–
White or Black Nickel Plated

NUT: Phosphor Bronze–

White or Black Nickel Plated

CERTIFICATIONS & RATINGS

IP66

NEMA 4X

RoHS Compliant w/6C exemption

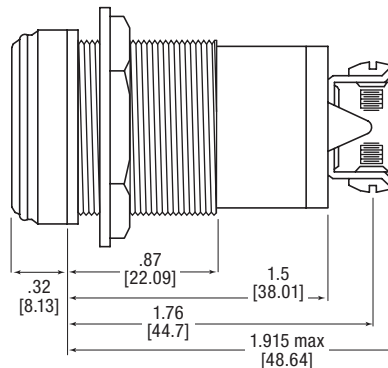
IK07

APPLICATION

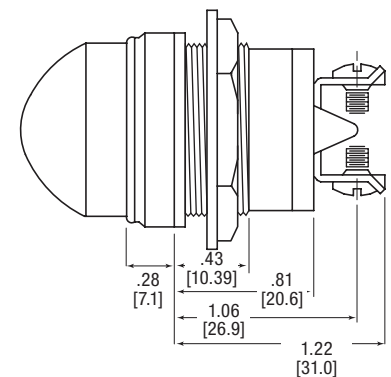
The 556 Series LED Panel Mount Indicators incorporate both InGaN and AlInGaP technologies to offer maximum light output. This is a highly durable package, designed to withstand outdoor applications susceptible to rain, dust and sunlight:

- Instrument panels
- Safety applications
- Transportation: rail, bus, airline
- Vending, gaming
- Lane control
- Display lighting

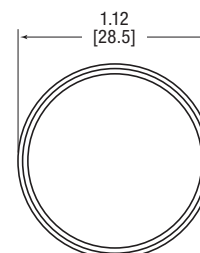
DIMENSIONS inches [mm]



FLAT



DOMED



ORDERING INFORMATION

FLAT LENS		DOMED LENS		Color	Voltage (vdc)	Typ Current (mA)	Typical Intensity (mcd)
White Nickel Plating	Black Nickel Plating	White Nickel Plating	Black Nickel Plating				
556-150A-304F	556-150A-204F	556-350A-304F	556-350A-204F	● Red	18–48	7.3–8.2	1470–1500
556-160A-304F	556-160A-204F	556-360A-304F	556-360A-204F	● Green		6.5–7.4	200–230
556-170A-304F	556-170A-204F	556-370A-304F	556-370A-204F	● Yellow		8.0–8.9	630–660



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556 SERIES

Daylight Viewable Panel Mount Indicators

Constant Intensity, 18–48 VDC

MECHANICAL / SPECIFICATIONS

MOUNTING HOLE SIZE:

1.0" (25.4 mm)

MAX PANEL THICKNESS:

0.600" (15.24 mm)

MOUNTING TORQUE: 40 in-lbs

VOLTAGE OPTIONS:

18–48 VDC

(internal resistor included)

OPERATING TEMP:

-30 °C to +85 °C (-22 °F to +185 °F)

STORAGE TEMP:

-40 °C to +100 °C (-40 °F to +212 °F)

ELECTRICAL CONNECTION:

6-32 screw terminals

HOUSING: Brass–

White or Black Nickel Plated

TERMINALS: Brass– Hot solder dip
per Mil-F-14072D, M258, Type II

LENS MATERIAL: Clear UV Stabilized
Polycarbonate (UL 94V-0)

LOCK WASHER: Phosphor Bronze–
White or Black Nickel Plated

NUT: Brass–White or Black Nickel Plated

CERTIFICATIONS & RATINGS

IP66

NEMA 4X

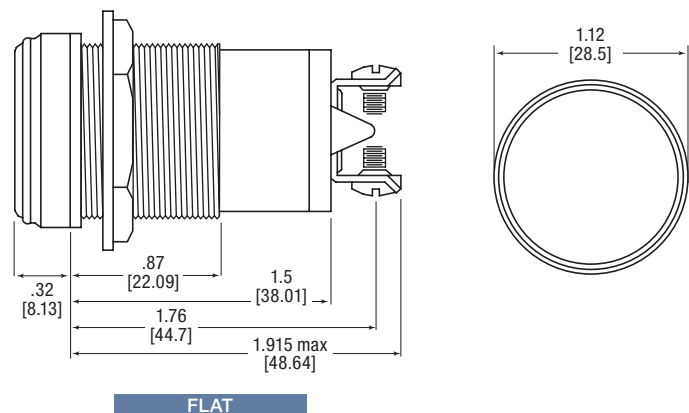
RoHS Compliant w/6C exemption

APPLICATION

The 556 Series LED Panel Mount Indicators incorporate both InGaN and AlInGaP technologies to offer maximum light output. This is a highly durable package, designed to withstand outdoor applications susceptible to rain, dust and sunlight:

- Instrument panels
- Safety applications
- UL 508 panel applications
- Agricultural controls
- Power generators
- Environmental monitoring equipment
- Ground support vehicles
- Pump system controllers
- Transportation - rail, bus, airline
- Lane control
- Display lighting

DIMENSIONS inches [mm]



ORDERING INFORMATION

White Nickel	Black Nickel	Color	Voltage (vdc)	Typ Current (mA)	Typical Intensity (mcd)
556-150A-314F	556-150A-214F	● Red	18–48	7.3–8.2	1470–1500
556-160A-314F	556-160A-214F	● Green		6.5–7.4	200–230
556-170A-314F	556-170A-214F	● Yellow		8.0–8.9	630–660



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559 SERIES

Snap-In LED

.250" (6.35 mm) Mounting Hole

MECHANICAL / SPECIFICATIONS

MOUNTING HOLE SIZE:

0.249 – 0.252" (6.32 – 6.40 mm)

MAX PANEL THICKNESS:

0.031 – 0.062" (.787 – 1.57 mm)

MOUNTING TORQUE: N/A

VOLTAGE OPTIONS:

1.6 – 2.3 V DC typical (resistor required)

5, 12, 24V DC (no resistor required)

OPERATING TEMP: See table

STORAGE TEMP:

-55 °C to +100 °C (-67 °F to +212 °F)

ELECTRICAL CONNECTION:

Straight terminals for wire wrapping
or 24 AWG lead wire

HOUSING: Black — UL94V-0 and enhances LED contrast

WIRE LEADS: 6" or 14"

CONNECTORS: Available upon request

POSSIBLE CONNECTORS:

Molex 50-57-9402

AMP 3-643814-3

TERMINALS: Available upon request

POSSIBLE TERMINALS:

Molex 16-02-0069, 16-02-077,
AMP 42067-1

CERTIFICATIONS & RATINGS

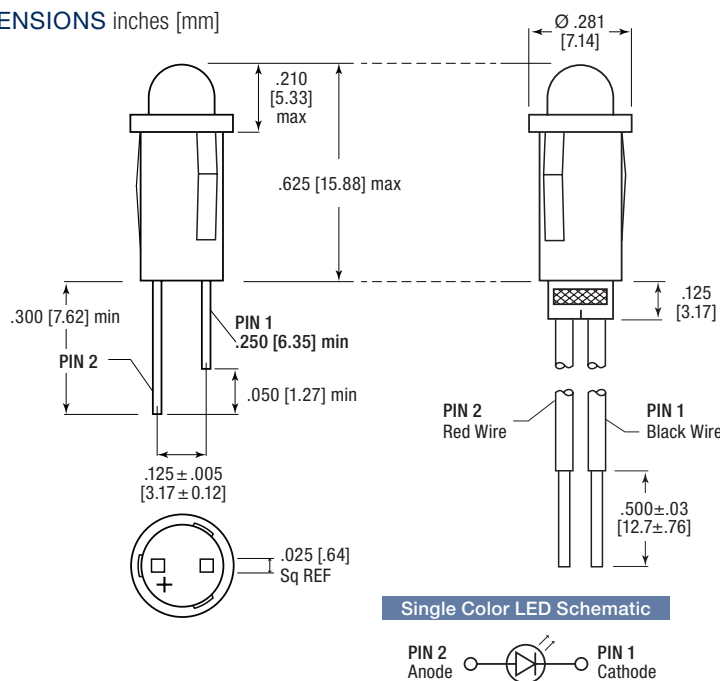
RoHS compliant

APPLICATION

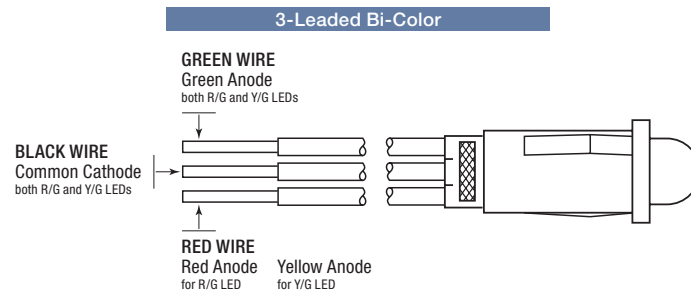
Dialight's 559 series LED panel mount indicator is available with a variety of LEDs including AlInGaP and InGaN technology for high brightness applications, bicolor and integral resistors.

- Fan tray assemblies
- Data-center infrastructure (servers and storage)
- Next-gen wireless infrastructure
- Electronic test and measurement instruments
- Communications testing equipment
- Hand held devices

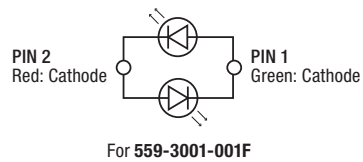
DIMENSIONS inches [mm]



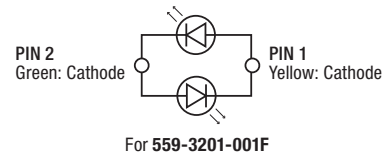
DIMENSIONS inches [mm]



Bi-Color Red/Green LED Schematic



Bi-Color Yellow/Green LED Schematic



ORDERING INFORMATION

LED Code	Color	Peak Wavelength (nm)	Intensity Typ. (mcd)	If Typ. (mA)	Vf Typ. (V DC)	Viewing Angle	Max DC Forward Current (mA)	Type	Operating Temp
5501	Red	635	125	20	2.2	24	30	Non-Tinted / Non-Diffused	-55 °C to +100 °C
5601	Green	565	120		2.3	24	30		-20 °C to +100 °C
5701	Yellow	583	140		2.1	24	20		-55 °C to +100 °C
5801	Orange	605	90		2.2	20	50		-30 °C to +85 °C
5901	Yellow	592	3100		2	15	50		-40 °C to +100 °C
6001	Blue	470	1500		3.6	30	30		-30 °C to +85 °C
6101	Red	635	2100		1.9	15	50		-40 °C to +100 °C
6201	Green	525	5000		3.2	30	30		-30 °C to +85 °C
6301	Orange	609	4000		1.9	15	50		-40 °C to +100 °C
6401	White	X = .31 Y = .32	2500		3.2	50	30		-30 °C to +85 °C
1101	Red	635	2.3	2	1.7	50	7	Low Current Diffused	-55 °C to +100 °C
1201	Yellow	583	1.8		1.9	50	7		
1301	Green	565	1.8		1.8	50	7		
2101	Red	650	6.3	10	2.2	50	20	Diffused	-25 °C to +85 °C
2201	Green	563	10		2.1	65	25		-55 °C to +100 °C
2301	Yellow	585	29		1.9	50	20		
2501	Orange	600	7		1.9	60	30		
5101	Red	635	40	10	2	50	25		-40 °C to -100 °C
5201	Green	565	19		2.1	50	30		-55 °C to +100 °C
5401	Amber	610	50	20	2.1	50	20		-40 °C to -100 °C
0102	Red	635	8	10	5	60	15	5V Integral Resistor	-40 °C to +85 °C
0202	Green	565	8	12	5	60	15		-20 °C to +85 °C
0302	Yellow	583	8	10	5	60	15		-40 °C to +85 °C
0103	Red	635	8	13	12	60	15	12V Integral Resistor	-55 °C to +100 °C
0203	Green	565	8		12	60	15		-20 °C to +85 °C
0303	Yellow	583	8		12	60	15		-40 °C to +85 °C
5904	Yellow	592	3100	20	24	15	50	24V Integral Resistor	-30 °C to +85 °C
6104	Red	635	2100		24	15	50		
6204	Green	525	5000		24	30	50		
3001	Red / Green	660 / 565	90 / 40	10	1.8 / 2.1	60	40 / 30	2 leaded Bi-color	-55 °C to +100 °C
3201	Yellow / Green	589 / 571	30 / 50		2.1 / 2.1	50	20		-30 °C to +85 °C
3501	Red / Green	635 / 565	5.0 / 8.0		2.1 / 2.3	65	30	3 leaded Bi-color	-20 °C to +85 °C
3601	Yellow / Green	590 / 568	9 / 13.5		2 / 2.1	65	30		



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620 SERIES

8mm Heavy Duty Panel Mount Indicators

MECHANICAL / SPECIFICATIONS

MOUNTING HOLE SIZE:

0.323" (8.2 mm)

MAX PANEL THICKNESS:

0.394" (10 mm)

MOUNTING TORQUE:

7.01 lbs-ft (9.5 Nm)

OPERATING VOLTAGE:

3 VDC

6, 12 & 24 VDC

(internal resistor included)

OPERATING TEMP:

-25 °C to +70 °C (-13 °F to 158 °F)

STORAGE TEMP:

-25 °C to +70 °C (-13 °F to 158 °F)

ELECTRICAL CONNECTION:

Solder terminals

HOUSING: Stainless Steel

TERMINALS: Stainless Steel

NUT: Stainless Steel

CERTIFICATIONS & RATINGS

RoHS compliant

IP66/IP67

IK10

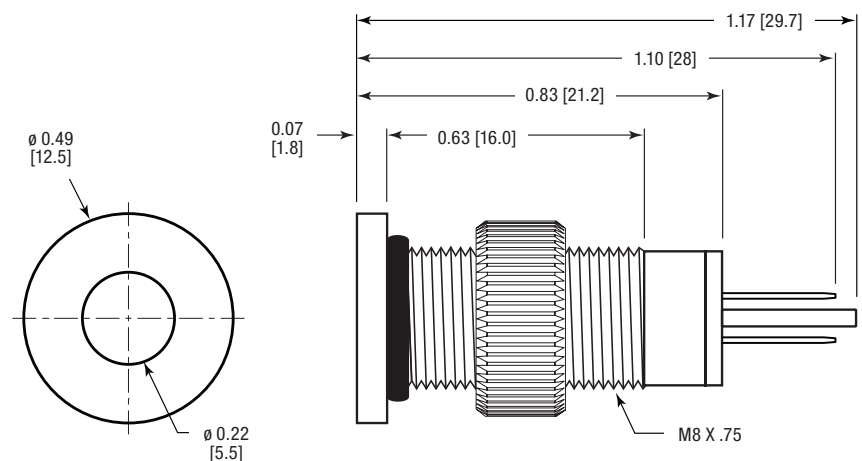
NEMA 4X

APPLICATION

The 620 Series Heavy Duty LED Panel Mount Indicators are elegantly designed for a high-end aesthetic paired with sturdy construction. These indicators are non-magnetic, corrosion resistant for both indoor and outdoor use, and secured to prevent dirt, dust, and water penetration. Ideal for a variety of applications such as:

- Instrumentation
- Navigation
- Industrial panels
- Communications
- Warning lights
- Main power indication
- Remote power indication
- Status indication
- Maintenance and warning indication

DIMENSIONS inches [mm]



These indicators are un-polarized.

ORDERING INFORMATION

Part Number	Color	Voltage (VDC)	Current (mA)	Typical Intensity (mcd)
620-1101-304F	Red	3	15	200
620-1201-304F	Green			250
620-1301-304F	Yellow			350
620-1401-304F	Blue			300
620-1102-304F	Red	6		200
620-1202-304F	Green			250
620-1302-304F	Yellow			350
620-1402-304F	Blue			300
620-1103-304F	Red	12		200
620-1203-304F	Green			250
620-1303-304F	Yellow			350
620-1403-304F	Blue			300
620-1104-304F	Red	24		200
620-1204-304F	Green			250
620-1304-304F	Yellow			350
620-1404-304F	Blue			300



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620 SERIES

8mm Heavy Duty Bi- and Tri-Color Panel Mount Indicators

MECHANICAL / SPECIFICATIONS

MOUNTING HOLE SIZE:

.323" (8.2mm)

MAX PANEL THICKNESS:

.197" (5mm)

MOUNTING TORQUE:

7.01 lbs-ft (9.5 Nm)

OPERATING VOLTAGE:

3VDC, 12VDC, 24VDC

OPERATING TEMP:

-40°C-70° (-40°F-158°F)

STORAGE TEMP:

-40°C-70° (-40°F-158°F)

ELECTRICAL CONNECTION:

26AWG UL 1007 wire leads

Common cathode

HOUSING:

Stainless steel

NUTS:

Stainless steel

CERTIFICATIONS & RATINGS

RoHS compliant

IP67

IK10

FEATURES & BENEFITS

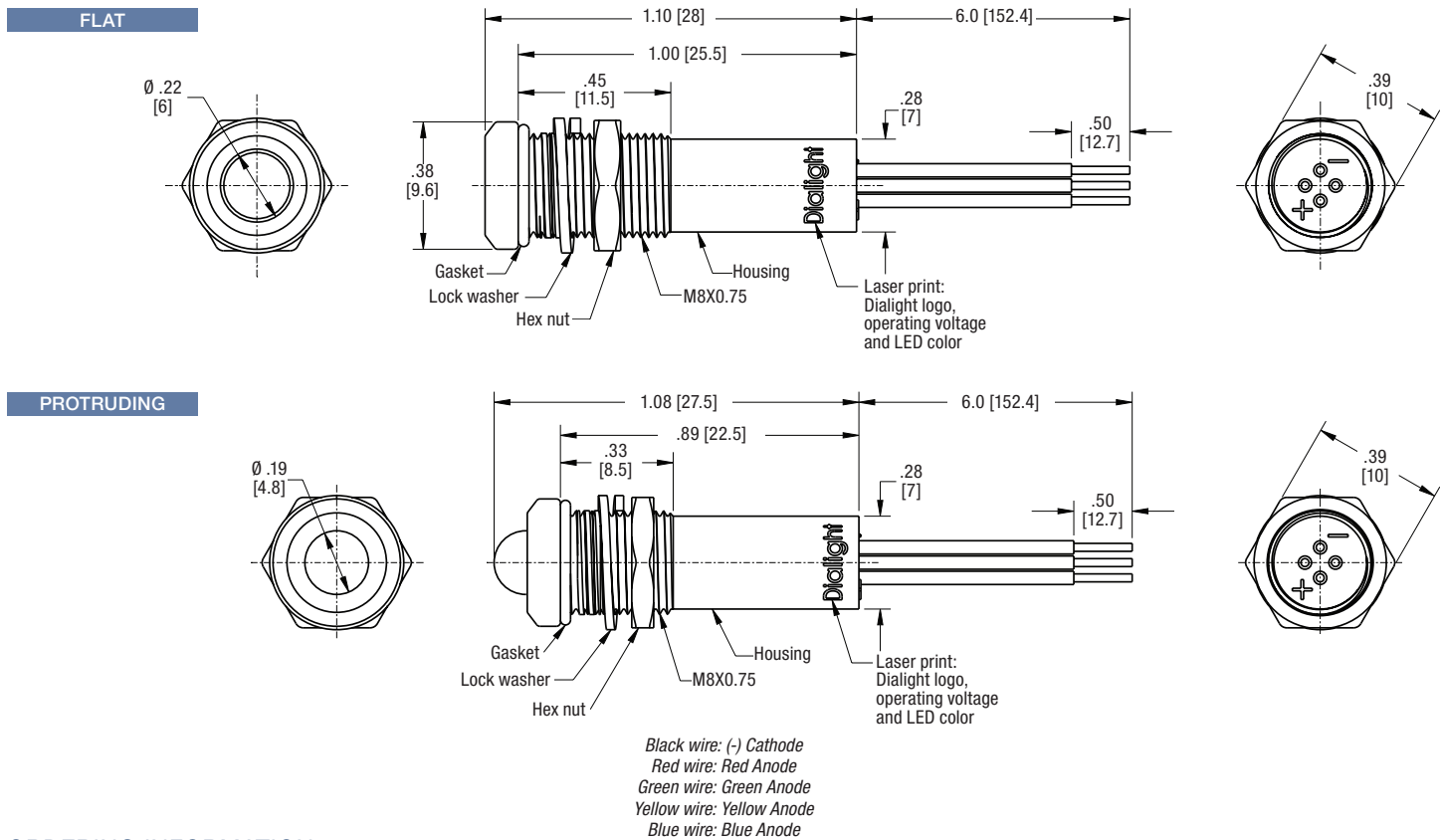
- RoHS Compliant
- IP67 rating
- IK10 rating
- Bi-color and tri-color options
- High brightness level for increasing visibility

APPLICATION

The 620 Series Heavy Duty LED Panel Mount Indicators are elegantly designed for a high-end aesthetic paired with sturdy construction. These indicators are non-magnetic, corrosion resistant for both indoor and outdoor use, and secured to prevent dirt, dust, and water penetration. Ideal for a variety of applications such as:

- Main power indication
 - Remote power indication
 - Status indication
 - Maintenance and warning indication
 - Instrumentation
- ... and many more!

DIMENSIONS inches [mm]



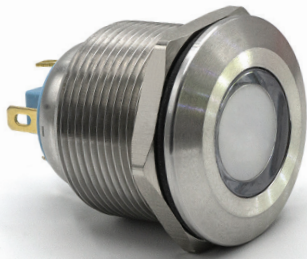
ORDERING INFORMATION

Part Number	Color	Voltage (VDC)	Lens	Current (mA)	Typical Intensity (mcd)
620-1141-317F	Tri-Color ● Red ● Green ● Yellow	3V	Transparent, Flat	15mA	1200
620-1143-317F		12V			2500
620-1144-317F		24V			800
620-1121-317F	Tri-Color ● Red ● Green ● Blue	3V			1000
620-1123-317F		12V			1500
620-1124-317F		24V			700
620-1141-117F	Tri-Color ● Red ● Green ● Yellow	3V	Transparent, Protruding		5000
620-1143-117F		12V			3000
620-1144-117F		24V			6500
620-1121-117F	Tri-Color ● Red ● Green ● Blue	3V			5000
620-1123-117F		12V			4000
620-1124-117F		24V			2000
620-1111-317F	Bi-Color ● Red ● Green	3V	Transparent, Flat		1000 1500
620-1113-317F		12V			
620-1114-317F		24V			
620-1111-117F	Bi-Color ● Red ● Green	3V	Transparent, Protruding		1000 1500
620-1113-117F		12V			
620-1114-117F		24V			



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621 SERIES 22 mm Heavy Duty Tri-Color Panel Mount Indicators

MECHANICAL / SPECIFICATIONS

MOUNTING HOLE SIZE:

0.866" (22 mm)

MAX PANEL THICKNESS:

0.394" (10 mm)

MOUNTING TORQUE:

7.01 lbs-ft (9.5 Nm)

OPERATING VOLTAGE:

3, 6, 12 & 24 VDC
(internal resistor included)

OPERATING TEMP:

-25 °C to +70 °C (-13 °F to 158 °F)

STORAGE TEMP:

-25 °C to +70 °C (-13 °F to 158 °F)

ELECTRICAL CONNECTION:

Solder terminals, Common Cathode

HOUSING:

Stainless Steel

TERMINALS:

Stainless Steel

NUT:

Stainless Steel

CERTIFICATIONS & RATINGS

RoHS compliant

IP66/IP67

IK10

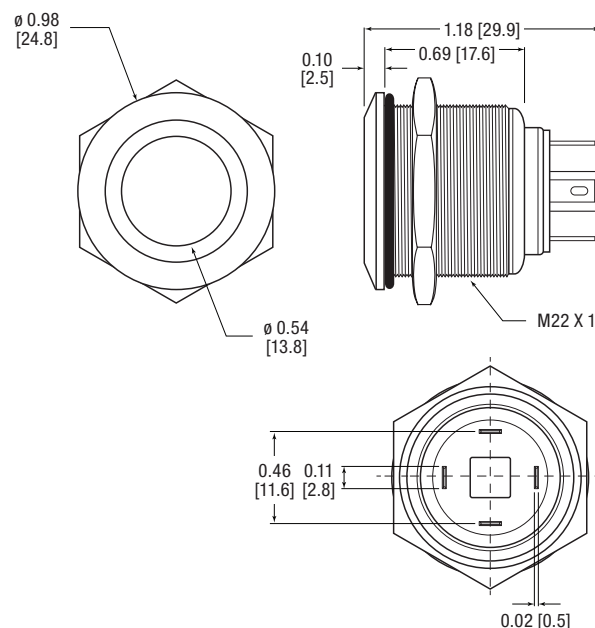
NEMA 4X

APPLICATION

The 621 Series Heavy Duty LED Panel Mount Indicators are elegantly designed for a high-end aesthetic paired with sturdy construction. These indicators are non-magnetic, corrosion resistant for both indoor and outdoor use, and secured to prevent dirt, dust, and water penetration. Ideal for a variety of applications such as:

- Main power indication
- Remote power indication
- Status indication
- Maintenance and warning indication
- Instrumentation

DIMENSIONS inches [mm]



Please use the markings on the housing to properly connect this part for normal operation.

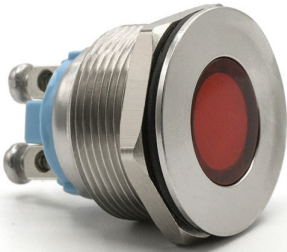
ORDERING INFORMATION

DIFFUSED LENS

Part Number	Tri-Color	Voltage (V DC)	Current (mA)	Intensity Typ. (mcd)
621-1121-304F	Red Green Blue	3	15	Red 200 Green 250 Blue 300
621-1122-304F		6		
621-1123-304F		12		
621-1124-304F		24		
621-1141-304F	Red Green Blue	3	15	Red 115 Green 110 Blue 435
621-1142-304F		6		
621-1143-304F		12		
621-1144-304F		24		

CLEAR LENS

621-1121-314F	Red Green Blue	3	15	Red 200 Green 250 Blue 300
621-1122-314F		6		
621-1123-314F		12		
621-1124-314F		24		
621-1141-314F	Red Green Blue	3	15	Red 115 Green 110 Blue 435
621-1142-314F		6		
621-1143-314F		12		
621-1144-314F		24		



622 SERIES

22 mm Heavy Duty Panel Mount Indicators

MECHANICAL / SPECIFICATIONS

MOUNTING HOLE SIZE:

0.866" (22 mm)

MAX PANEL THICKNESS:

0.394" (10 mm)

MOUNTING TORQUE:

7.01 lbs-ft (9.5 Nm)

OPERATING VOLTAGE:

3 VDC (external resistor required)

6, 12 & 24 VDC

(internal resistor included)

OPERATING TEMP:

-25 °C to +70 °C (-13 °F to 158 °F)

STORAGE TEMP:

-25 °C to +70 °C (-13 °F to 158 °F)

ELECTRICAL CONNECTION:

Screw terminals

HOUSING:

Stainless Steel

NUT:

Stainless Steel

CERTIFICATIONS & RATINGS

RoHS compliant

IP66/IP67

IK10

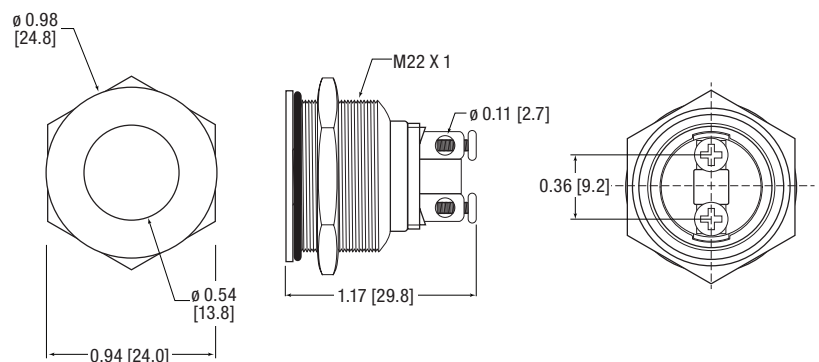
NEMA 4X

APPLICATION

The 622 Series Heavy Duty LED Panel Mount Indicators are elegantly designed for a high-end aesthetic paired with sturdy construction. These indicators are non-magnetic, corrosion resistant for both indoor and outdoor use, and secured to prevent dirt, dust, and water penetration. Ideal for a variety of applications such as:

- Main power indication
- Remote power indication
- Status indication
- Maintenance and warning indication
- Instrumentation

DIMENSIONS inches [mm]



These indicators are un-polarized

ORDERING INFORMATION

Part Number	Color	Voltage (VDC)	Current (mA)	Typical Intensity (mcd)
622-1101-304F	Red	3	15	200
622-1201-304F	Green			250
622-1301-304F	Yellow			350
622-1401-304F	Blue			300
622-1102-304F	Red	6		200
622-1202-304F	Green			250
622-1302-304F	Yellow			350
622-1402-304F	Blue			300
622-1103-304F	Red	12		200
622-1203-304F	Green			250
622-1303-304F	Yellow			350
622-1403-304F	Blue			300
622-1104-304F	Red	24		200
622-1204-304F	Green			250
622-1304-304F	Yellow			350
622-1404-304F	Blue			300



624 SERIES

12mm Heavy Duty Tri-Color Panel Mount Indicators

MECHANICAL / SPECIFICATIONS

MOUNTING HOLE SIZE:

.492" (12.5mm)

MAX PANEL THICKNESS:

.197" (5mm)

MOUNTING TORQUE:

7.01 lbs-ft (9.5 Nm)

OPERATING VOLTAGE:

3VDC, 12VDC, 24VDC

OPERATING TEMP:

-40°C - 70°C (-40°F - 158°F)

STORAGE TEMP:

-40°C - 70°C (-40°F - 158°F)

ELECTRICAL CONNECTION:

26AWG UL1007 rated wire or terminals

Common cathode

HOUSING:

Stainless steel

TERMINALS:

Gold plated Brass Terminals

accept 20-26AWG wire

NUTS:

Stainless steel

CERTIFICATIONS & RATINGS

RoHS compliant

IP67

IK10

FEATURES & BENEFITS

- RoHS Compliant
- IP67 rating
- IK10 rating
- RGB or RGY options
- High brightness level for increasing visibility

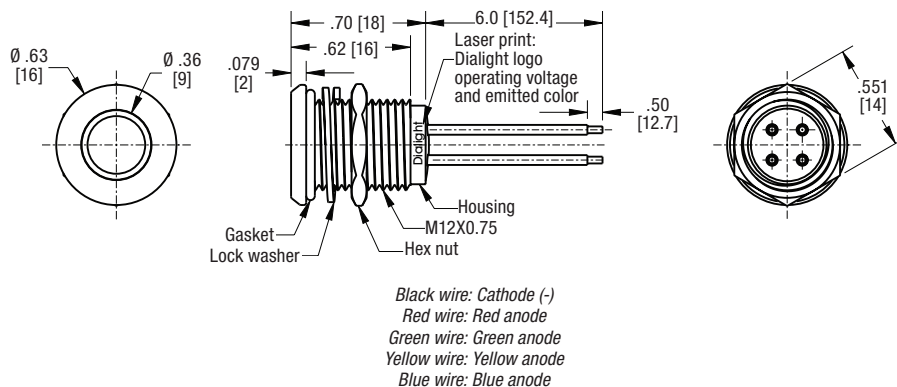
APPLICATION

The 624 Series Heavy Duty LED Panel Mount Indicators are elegantly designed for a high-end aesthetic paired with sturdy construction. These indicators are nonmagnetic, corrosion resistant for both indoor and outdoor use, and secured to prevent dirt, dust, and water penetration. Ideal for a variety of applications such as:

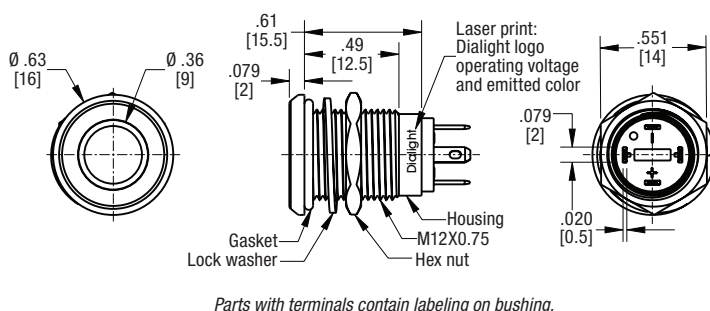
- Main power indication
 - Remote power indication
 - Status indication
 - Maintenance and warning indication
 - Instrumentation
- ... and many more!

DIMENSIONS inches [mm]

WIRES



TERMINALS



ORDERING INFORMATION

Part Number Wires	Part Number Terminals	Color	Voltage (VDC)	Lens	Current (mA)	Typical Intensity (mcd)
624-1121-317F	624-1121-314F	● Red ● Green ● Blue	3V	Transparent, Flat	15mA	3500
624-1123-317F	624-1123-314F		12V			5000
624-1124-317F	624-1124-314F		24V			1000
624-1141-317F	624-1141-314F	● Red ● Green ● Yellow	3V			3000
624-1143-317F	624-1143-314F		12V			2500
624-1144-317F	624-1144-314F		24V			3000



625 SERIES

16mm Heavy Duty Tri-Color Panel Mount Indicators

MECHANICAL / SPECIFICATIONS

MOUNTING HOLE SIZE:

.637" (16.2mm)

MAX PANEL THICKNESS:

.197" (5mm)

MOUNTING TORQUE:

7.01 lbs-ft (9.5 Nm)

OPERATING VOLTAGE:

3VDC, 12VDC, 24VDC

OPERATING TEMP:

-40°C - 70°C (-40°F - 158°F)

STORAGE TEMP:

-40°C - 70°C (-40°F - 158°F)

ELECTRICAL CONNECTION:

26AWG UL1007 rated wire or terminals
Common cathode

HOUSING:

Stainless steel

TERMINALS:

Gold plated brass terminals
that accept 20-26AWG wire

NUTS:

Stainless steel

CERTIFICATIONS & RATINGS

RoHS compliant

IP67

IK10

FEATURES & BENEFITS

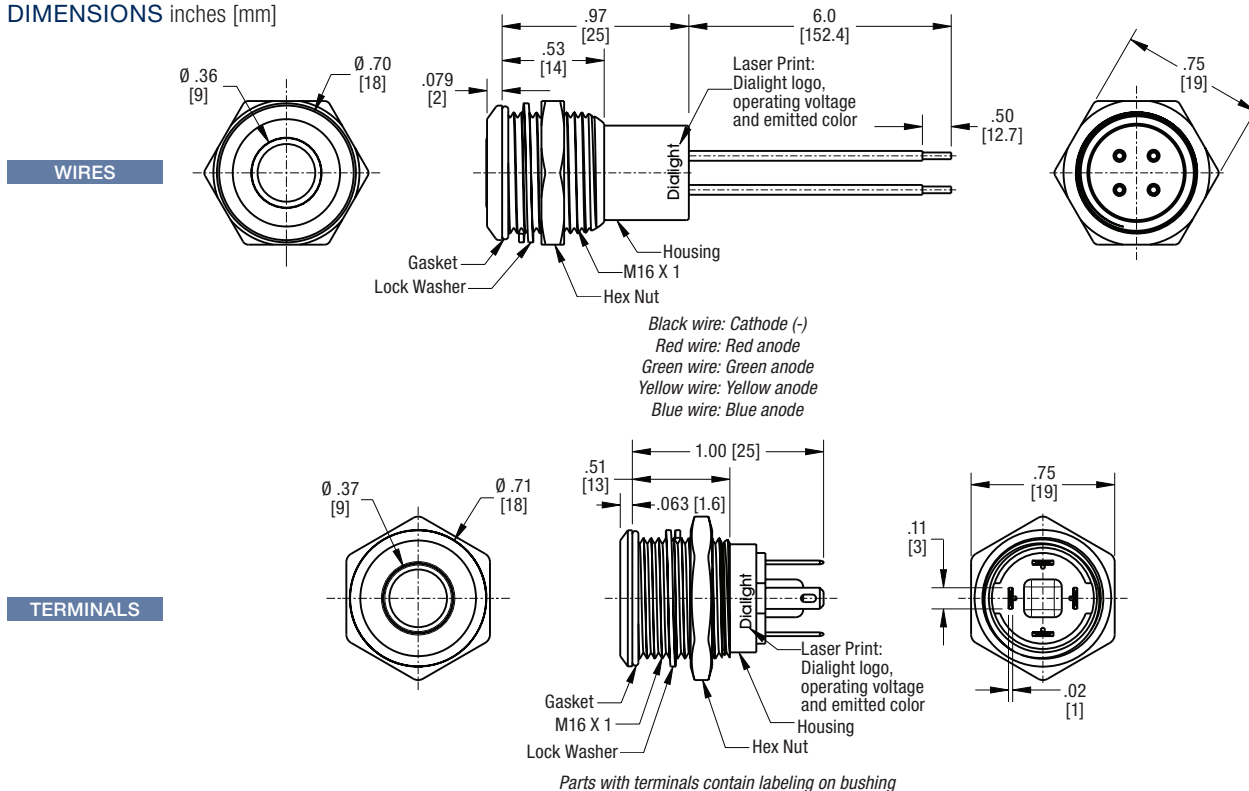
- RoHS compliant
- IP67 rating
- IK10 rating
- RGY and RGB options
- Transparent or diffused lens options

APPLICATION

The 625 Series Heavy Duty LED Panel Mount Indicators are elegantly designed for a high-end aesthetic paired with sturdy construction. These indicators are nonmagnetic, corrosion resistant for both indoor and outdoor use, and secured to prevent dirt, dust, and water penetration. Ideal for a variety of applications such as:

- Main power indication
 - Remote power indication
 - Status indication
 - Maintenance and warning indication
 - Instrumentation
- . . . and many more!

DIMENSIONS inches [mm]



ORDERING INFORMATION

WIRES

Part Number	Color	Voltage (VDC)	Lens	Current (mA)	Typical Intensity (mcd)
625-1121-307F	● Red ● Green ● Blue	3V	Diffused, Flat	15mA	200
625-1123-307F		12V			500
625-1124-307F		24V			200
625-1141-307F	● Red ● Green ● Yellow	3V			200
625-1143-307F		12V			500
625-1144-307F		24V			200

TERMINALS

Part Number	Color	Voltage (VDC)	Lens	Current (mA)	Typical Intensity (mcd)
625-1121-314F	● Red ● Green ● Blue	3V	Transparent, Flat	15mA	3000
625-1123-314F		12V			5000
625-1124-314F		24V			1000
625-1141-314F	● Red ● Green ● Yellow	3V			3500
625-1143-314F		12V			2500
625-1144-314F		24V			3000



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656 SERIES

High Intensity LED Panel Mount Indicators

MECHANICAL / SPECIFICATIONS

MOUNTING HOLE SIZE:

0.500" (12.7 mm)

MAX PANEL THICKNESS:

0.450" (11.43 mm)

MOUNTING TORQUE:

5 in-lbs

VOLTAGE OPTIONS:

5 to 125VDC and 125, 230VAC

(bi-color 5, 12, 24VDC)

(no resistor required)

OPERATING TEMP:

-30 °C to +85 °C (22 °F to +185 °F)

STORAGE TEMP:

-40 °C to +100 °C (-40 °F to +212 °F)

ELECTRICAL CONNECTION:

110 Faston quick connect terminals
or 6" wire leads

HOUSING: Brass-White or Black Nickel Plated

LENS MATERIAL:

Transparent polycarbonate (UL 94V-0)

WIRE LEADS: 18 AWG

LOCK WASHER:

Bronze-White or Black Nickel Plated

NUT: Brass-White or Black Nickel Plated

CERTIFICATIONS & RATINGS

UL 508 (E156890) – UL Listed; Terminals – UL recognized

NEMA 4X

IP66/67

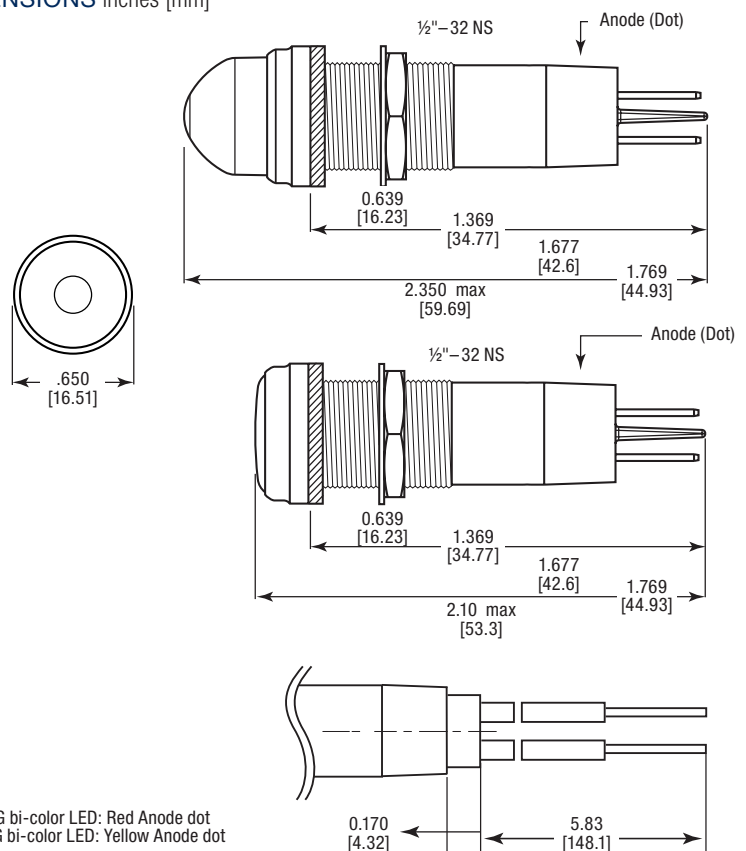
RoHS compliant – w/6C exemption

APPLICATION

The 656 Series LED Panel Mount Indicators are designed for a variety of applications such as:

- Flow controls
- Instrument panels
- Industrial controls
- Transportation: rail, bus, airline
- Pump panels
- Vending/gaming

DIMENSIONS inches [mm]



ORDERING INFORMATION

BI-COLOR

Flat Lens

Part #—with Wire Leads		Part #—with Blade Terminals		Color	Voltage (VDC)	Typ Current (mA)	Typical Intensity (mcd)
White Nickel Plating	Black Nickel Plating	White Nickel Plating	Black Nickel Plating				
656-1122-303F	656-1122-203F	656-1122-304F	656-1122-204F	● Red ● Green	5	11 / 8	330 / 910
656-1322-303F	656-1322-203F	656-1322-304F	656-1322-204F	● Yellow ● Green			320 / 864
656-1123-303F	656-1123-203F	656-1123-304F	656-1123-204F	● Red ● Green	12	10 / 9	330 / 910
656-1323-303F	656-1323-203F	656-1323-304F	656-1323-204F	● Yellow ● Green			320 / 864
656-1124-303F	656-1124-203F	656-1124-304F	656-1124-204F	● Red ● Green	24	11 / 10	330 / 910
656-1324-303F	656-1324-203F	656-1324-304F	656-1324-204F	● Yellow ● Green			320 / 864

Domed Lens

Part #—with Wire Leads		Part #—with Blade Terminals		Color	Voltage (VDC)	Typ Current (mA)	Typical Intensity (mcd)
White Nickel Plating	Black Nickel Plating	White Nickel Plating	Black Nickel Plating				
656-3122-303F	656-3122-203F	656-3122-304F	656-3122-204F	● Red ● Green	5	11 / 8	490 / 1340
656-3322-303F	656-3322-203F	656-3322-304F	656-3322-204F	● Yellow ● Green			480 / 430
656-3123-303F	656-3123-203F	656-3123-304F	656-3123-204F	● Red ● Green	12	10 / 9	490 / 1340
656-3323-303F	656-3323-203F	656-3323-304F	656-3323-204F	● Yellow ● Green			480 / 430
656-3124-303F	656-3124-203F	656-3124-304F	656-3124-204F	● Red ● Green	24	11 / 10	490 / 1340
656-3324-303F	656-3324-203F	656-3324-304F	656-3324-204F	● Yellow ● Green			480 / 430



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SINGLE COLOR

Flat Lens

Part #—with Wire Leads		Part #—with Blade Terminals		Color	Voltage	Typ Current (mA)	Typical Intensity (mcd)
White Nickel Plating	Black Nickel Plating	White Nickel Plating	Black Nickel Plating				
656-1002-303F	656-1002-203F	656-1002-304F	656-1002-204F	○ White	5 (VDC)	15	1510
656-1102-303F	656-1102-203F	656-1102-304F	656-1102-204F	● Red		16	1150
656-1202-303F	656-1202-203F	656-1202-304F	656-1202-204F	● Green		15	1600
656-1302-303F	656-1302-203F	656-1302-304F	656-1302-204F	● Yellow		16	990
656-1352-303F	656-1352-203F	656-1352-304F	656-1352-204F	● Orange		16	1800
656-1402-303F	656-1402-203F	656-1402-304F	656-1402-204F	● Blue		15	237
656-1003-303F	656-1003-203F	656-1003-304F	656-1003-204F	○ White	12 (VDC)	18	1310
656-1103-303F	656-1103-203F	656-1103-304F	656-1103-204F	● Red		18	1100
656-1203-303F	656-1203-203F	656-1203-304F	656-1203-204F	● Green		16	1140
656-1303-303F	656-1303-203F	656-1303-304F	656-1303-204F	● Yellow		18	880
656-1353-303F	656-1353-203F	656-1353-304F	656-1353-204F	● Orange		18	1800
656-1403-303F	656-1403-203F	656-1403-304F	656-1403-204F	● Blue		16	290
656-1004-303F	656-1004-203F	656-1004-304F	656-1004-204F	○ White	24 (VDC)	20	1310
656-1104-303F	656-1104-203F	656-1104-304F	656-1104-204F	● Red			1100
656-1204-303F	656-1204-203F	656-1204-304F	656-1204-204F	● Green			1140
656-1304-303F	656-1304-203F	656-1304-304F	656-1304-204F	● Yellow			880
656-1354-303F	656-1354-203F	656-1354-304F	656-1354-204F	● Orange			1800
656-1404-303F	656-1404-203F	656-1404-304F	656-1404-204F	● Blue			290
656-1006-303F	656-1006-203F	656-1006-304F	656-1006-204F	○ White	28 (VDC)	19	1310
656-1106-303F	656-1106-203F	656-1106-304F	656-1106-204F	● Red		19	1100
656-1206-303F	656-1206-203F	656-1206-304F	656-1206-204F	● Green		18	1140
656-1306-303F	656-1306-203F	656-1306-304F	656-1306-204F	● Yellow		19	880
656-1356-303F	656-1356-203F	656-1356-304F	656-1356-204F	● Orange		19	1800
656-1406-303F	656-1406-203F	656-1406-304F	656-1406-204F	● Blue		18	290
656-1008-303F	656-1008-203F	656-1008-304F	656-1008-204F	○ White	37.5 (VDC)	8.5	400
656-1108-303F	656-1108-203F	656-1108-304F	656-1108-204F	● Red			230
656-1208-303F	656-1208-203F	656-1208-304F	656-1208-204F	● Green			450
656-1308-303F	656-1308-203F	656-1308-304F	656-1308-204F	● Yellow			190
656-1358-303F	656-1358-203F	656-1358-304F	656-1358-204F	● Orange			835
656-1408-303F	656-1408-203F	656-1408-304F	656-1408-204F	● Blue			100
656-110A-303F		656-110A-304F		● Red	48 (VDC)	10	230
656-120A-303F		656-120A-304F		● Green			450
656-130A-303F		656-130A-304F		● Yellow			190
656-1007-303F	656-1007-203F	656-1007-304F	656-1007-204F	○ White	72 (VDC)	8.5	400
656-1107-303F	656-1107-203F	656-1107-304F	656-1107-204F	● Red			230
656-1207-303F	656-1207-203F	656-1207-304F	656-1207-204F	● Green			450
656-1307-303F	656-1307-203F	656-1307-304F	656-1307-204F	● Yellow			190
656-1357-303F	656-1357-203F	656-1357-304F	656-1357-204F	● Orange			835
656-1407-303F	656-1407-203F	656-1407-304F	656-1407-204F	● Blue			100
656-1005-303F		656-1005-304F		○ White	120 (VAC / VDC)	5	400
656-1105-303F		656-1105-304F		● Red			230
656-1205-303F		656-1205-304F		● Green			450
656-1305-303F		656-1305-304F		● Yellow			190
656-1355-303F		656-1355-304F		● Orange			260
656-1405-303F		656-1405-304F		● Blue			100
656-1009-303F		656-1009-304F		○ White	230 (VAC)	3	400
656-1109-303F		656-1109-304F		● Red			230
656-1209-303F		656-1209-304F		● Green			450
656-1309-303F		656-1309-304F		● Yellow			190
656-1359-303F		656-1359-304F		● Orange			260
656-1409-303F		656-1409-304F		● Blue			100

SINGLE COLOR

Domed Lens

Part #—with Wire Leads		Part #—with Blade Terminals		Color	Voltage	Typ Current (mA)	Typical Intensity (mcd)
White Nickel Plating	Black Nickel Plating	White Nickel Plating	Black Nickel Plating				
656-3002-303F	656-3002-203F	656-3002-304F	656-3002-204F	○ White	5 (VDC)	15	3080
656-3102-303F	656-3102-203F	656-3102-304F	656-3102-204F	● Red		16	2200
656-3202-303F	656-3202-203F	656-3202-304F	656-3202-204F	● Green		15	2880
656-3302-303F	656-3302-203F	656-3302-304F	656-3302-204F	● Yellow		16	1960
656-3352-303F	656-3352-203F	656-3352-304F	656-3352-204F	● Orange		16	4400
656-3402-303F	656-3402-203F	656-3402-304F	656-3402-204F	● Blue		15	600
656-3003-303F	656-3003-203F	656-3003-304F	656-3003-204F	○ White	12 (VDC)	18	2340
656-3103-303F	656-3103-203F	656-3103-304F	656-3103-204F	● Red		18	2000
656-3203-303F	656-3203-203F	656-3203-304F	656-3203-204F	● Green		16	2110
656-3303-303F	656-3303-203F	656-3304-304F	656-3303-204F	● Yellow		18	1080
656-3353-303F	656-3353-203F	656-3353-304F	656-3353-204F	● Orange		18	4400
656-3403-303F	656-3403-203F	656-3403-304F	656-3403-204F	● Blue		16	640
656-3004-303F	656-3004-203F	656-3004-304F	656-3004-204F	○ White	24 (VDC)	20	2340
656-3104-303F	656-3104-203F	656-3104-304F	656-3104-204F	● Red			2000
656-3204-303F	656-3204-203F	656-3204-304F	656-3204-204F	● Green			2110
656-3304-303F	656-3304-203F	656-3304-304F	656-3304-204F	● Yellow			1080
656-3354-303F	656-3354-203F	656-3354-304F	656-3354-204F	● Orange			4400
656-3404-303F	656-3404-203F	656-3404-304F	656-3404-204F	● Blue			640
656-3006-303F	656-3006-203F	656-3006-304F	656-3006-204F	○ White	28 (VDC)	19	2340
656-3106-303F	656-3106-203F	656-3106-304F	656-3106-204F	● Red		19	2000
656-3206-303F	656-3206-203F	656-3206-304F	656-3206-204F	● Green		18	2110
656-3306-303F	656-3306-203F	656-3306-304F	656-3306-204F	● Yellow		19	1080
656-3356-303F	656-3356-203F	656-3356-304F	656-3356-204F	● Orange		19	4400
656-3406-303F	656-3406-203F	656-3406-304F	656-3406-204F	● Blue		18	640
656-3008-303F	656-3008-203F	656-3008-304F	656-3008-204F	○ White	37.5 (VDC)		660
656-3108-303F	656-3108-203F	656-3108-304F	656-3108-204F	● Red			410
656-3208-303F	656-3208-203F	656-3208-304F	656-3208-204F	● Green			800
656-3308-303F	656-3308-203F	656-3308-304F	656-3308-204F	● Yellow			390
656-3358-303F	656-3358-203F	656-3358-304F	656-3358-204F	● Orange			2000
656-3408-303F	656-3408-203F	656-3408-304F	656-3408-204F	● Blue			220
656-310A-303F		656-310A-304F		● Red	48 (VDC)	10	410
656-320A-303F		656-320A-304F		● Green			800
656-330A-303F		656-330A-304F		● Yellow			390
656-3007-303F	656-3007-203F	656-3007-304F	656-3007-204F	○ White	72 (VDC)		660
656-3107-303F	656-3107-203F	656-3107-304F	656-3107-204F	● Red			410
656-3207-303F	656-3207-203F	656-3207-304F	656-3207-204F	● Green			800
656-3307-303F	656-3307-203F	656-3307-304F	656-3307-204F	● Yellow			390
656-3357-303F	656-3357-203F	656-3357-304F	656-3357-204F	● Orange			2000
656-3407-303F	656-3407-203F	656-3407-304F	656-3407-204F	● Blue			220
656-3005-303F		656-3005-304F		○ White	120 (VAC / VDC)	5	660
656-3105-303F		656-3105-304F		● Red			410
656-3205-303F		656-3205-304F		● Green			800
656-3305-303F		656-3305-304F		● Yellow			390
656-3355-303F		656-3355-304F		● Orange			610
656-3405-303F		656-3405-304F		● Blue			220
656-3009-303F		656-3009-304F		○ White	230 (VAC)	3	660
656-3109-303F		656-3109-304F		● Red			410
656-3209-303F		656-3209-304F		● Green			800
656-3309-303F		656-3309-304F		● Yellow			390
656-3359-303F		656-3359-304F		● Orange			610
656-3409-303F		656-3409-304F		● Blue			220



657 SERIES

Watertight Series Panel Mount Indicators

MECHANICAL / SPECIFICATIONS

MOUNTING HOLE SIZE:

0.687" (17.46 mm)

MAX PANEL THICKNESS:

0.350" (8.89 mm)

MOUNTING TORQUE: 15 in-lbs

VOLTAGE OPTIONS:

5, 12, & 24 VDC
(no resistor required)

OPERATING TEMP:

-35 °C to +65 °C (-31 °F to +149 °F)

STORAGE TEMP:

-40 °C to +100 °C (-40 °F to +212 °F)

ELECTRICAL CONNECTION:

18 AWG anti-capillary wire

HOUSING: Polycarbonate (UL 94V-0)

LENS MATERIAL:

Polycarbonate (UL 94V-0)

WIRE LEADS: 6"

LOCK WASHER:

White Nickel Plated Bronze

NUT: White Nickel Plated Brass

CERTIFICATIONS & RATINGS

RoHS compliant

NEMA 4X

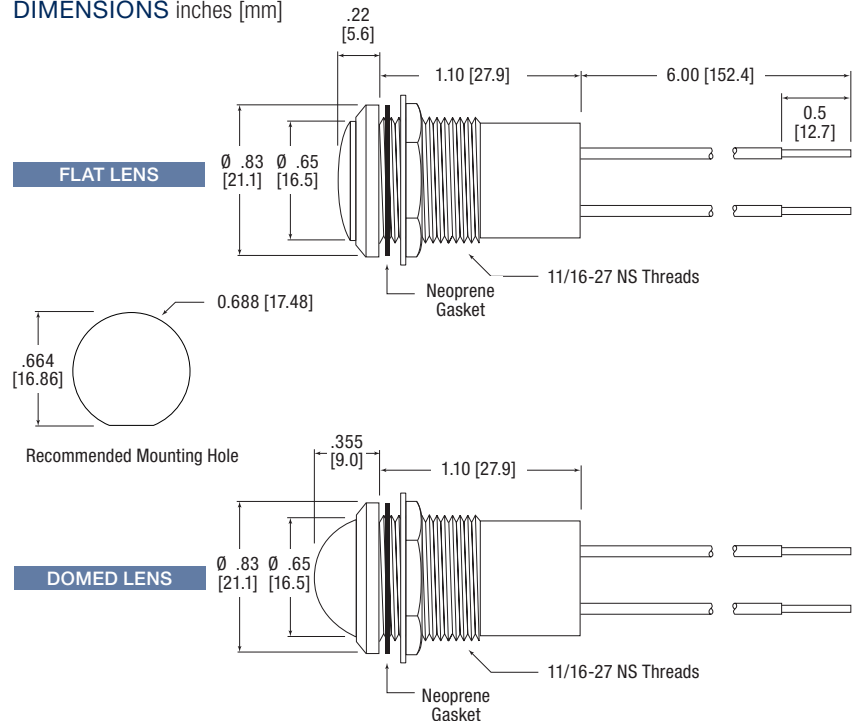
IP67

APPLICATION

The 657 Series LED Panel Mount Indicators are designed with a highly durable watertight housing. These indicators are designed for a variety of applications such as:

- Control panels
- Boats and heavy duty vehicles
- Military equipment
- Pilot lights
- Industrial panels
- Wastewater treatment controls
- Bus/transit vehicle dashboards
- Agricultural/construction equipment dashboards

DIMENSIONS inches [mm]



ORDERING INFORMATION

FLAT

Part Number			LED Color	Curr. (mA)	Typical Intensity (mcd)
5 VDC	12 VDC	24 VDC			

White Diffused Lens

657-1002-303F	657-1003-303F	657-1004-303F	○ White	20	150
657-1502-303F	657-1503-303F	657-1504-303F	● Red		150
657-1602-303F	657-1603-303F	657-1604-303F	● Green		160
657-1702-303F	657-1703-303F	657-1704-303F	● Yellow		100
657-1802-303F	657-1803-303F	657-1804-303F	● Blue		75
657-1902-303F	657-1903-303F	657-1904-303F	● Orange		150

Tinted Diffused Lens

657-1502-103F	657-1503-103F	657-1504-103F	● Red	20	650
657-1602-103F	657-1603-103F	657-1604-103F	● Green		1150
657-1702-103F	657-1703-103F	657-1704-103F	● Yellow		550
657-1802-103F	657-1803-103F	657-1804-103F	● Blue		200
657-1902-103F	657-1903-103F	657-1904-103F	● Orange		700

DOMED

Part Number			LED Color	Curr. (mA)	Typical Intensity (mcd)
5 VDC	12 VDC	24 VDC			

White Diffused Lens

657-2002-303F	657-2003-303F	657-2004-303F	○ White	20	85
657-2502-303F	657-2503-303F	657-2504-303F	● Red		115
657-2602-303F	657-2603-303F	657-2604-303F	● Green		150
657-2702-303F	657-2703-303F	657-2704-303F	● Yellow		115
657-2802-303F	657-2803-303F	657-2804-303F	● Blue		70
657-2902-303F	657-2903-303F	657-2904-303F	● Orange		100

Tinted Diffused Lens

657-2502-103F	657-2503-103F	657-2504-103F	● Red	20	900
657-2602-103F	657-2603-103F	657-2604-103F	● Green		1600
657-2702-103F	657-2703-103F	657-2704-103F	● Yellow		1250
657-2802-103F	657-2803-103F	657-2804-103F	● Blue		250
657-2902-103F	657-2903-103F	657-2904-103F	● Orange		1500



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657 SERIES

Bi- and Tri-Color Watertight Series Panel Mount Indicators

MECHANICAL / SPECIFICATIONS

MOUNTING HOLE SIZE:

0.687" (17.46 mm)

MAX PANEL THICKNESS:

0.350" (8.89 mm)

MOUNTING TORQUE: 15 in-lbs

VOLTAGE OPTIONS:

10-30 VDC (no resistor required)

OPERATING TEMP:

-40 °C to +85 °C (-40 °F to +185 °F)

STORAGE TEMP:

-40 °C to +100 °C (-40 °F to +212 °F)

ELECTRICAL CONNECTION:

18 AWG anti-capillary wire,
Common Cathode

HOUSING:

Polycarbonate (UL 94V-0)

LENS MATERIAL:

Polycarbonate (UL 94V-0)

WIRE LEADS:

6" – Wire color is the same color
as LED color; Black wire is
common ground

LOCK WASHER:

White Nickel Plated Bronze

NUT: White Nickel Plated Brass

CERTIFICATIONS & RATINGS

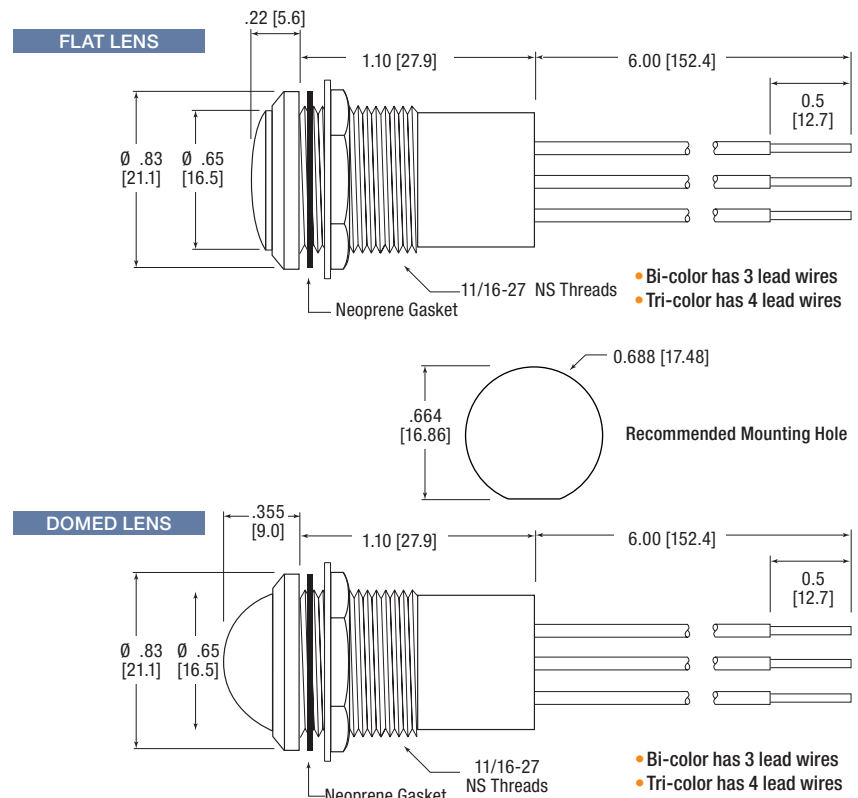
RoHS compliant
NEMA 4X
IP67

APPLICATION

The 657 Series LED Panel Mount Indicators are designed with a highly durable watertight housing. These indicators are designed for a variety of applications such as:

- Aircraft and military vehicles
- Industrial panels
- Panel lights
- EV charging
- Boats and heavy duty vehicles
- Wastewater treatment controls

DIMENSIONS inches [mm]



ORDERING INFORMATION

FLAT

Part Number	LED Color	Lens Color	Typ. IF (mA)	Typ. VF (VDC)	Typical Intensity (mcd)
657-1415-303F	Red	White Diffused	20	10–30	270
	Green				515
657-1425-303F	Red				270
	Blue				90
657-1435-303F	Green				515
	Yellow				310
657-1455-303F	Red				270
	Yellow				310
657-1465-303F	Green				515
	Blue				90
657-1485-303F	Red				270
	Green				515
	Blue				90
657-1495-303F	Red				270
	Green				515
	Yellow				310

DOMED

Part Number	LED Color	Lens Color	Typ. IF (mA)	Typ. VF (VDC)	Typical Intensity (mcd)
657-2415-303F	Red	White Diffused	20	10–30	255
	Green				500
657-2425-303F	Red				255
	Blue				90
657-2435-303F	Green				500
	Yellow				260
657-2455-303F	Red				255
	Yellow				260
657-2465-303F	Green				500
	Blue				90
657-2485-303F	Red				255
	Green				500
	Blue				90
657-2495-303F	Red				255
	Green				500
	Yellow				260



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657 SERIES

Watertight Right Angle Panel Mount Indicators

MECHANICAL / SPECIFICATIONS

MOUNTING HOLE SIZE:

0.687" (17.46 mm)

MAX PANEL THICKNESS:

0.350" (8.89 mm)

MOUNTING TORQUE: 15 in-lbs

VOLTAGE OPTIONS:

12–32 VDC (no resistor required)

OPERATING TEMP:

-35 °C to +65 °C (-31 °F to +149 °F)

STORAGE TEMP:

-40 °C to +100 °C (-40 °F to +212 °F)

ELECTRICAL CONNECTION:

18 AWG anti-capillary wire

HOUSING:

Polycarbonate (UL 94V-0)

LENS MATERIAL:

Transparent polycarbonate (UL 94V-0)

WIRE LEADS: 6"

LOCK WASHER:

White Nickel Plated Bronze

NUT: White Nickel Plated Brass

CERTIFICATIONS & RATINGS

RoHS compliant

NEMA 4X

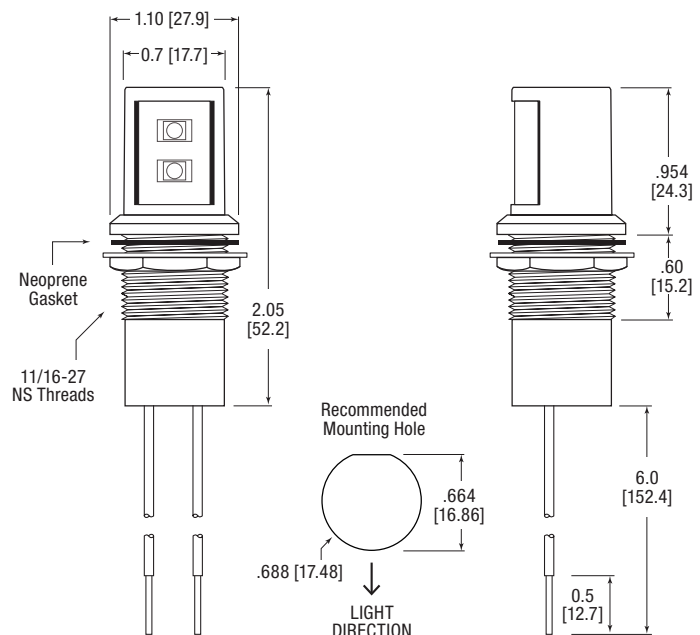
IP67

APPLICATION

The 657 Series LED Panel Mount Indicators are designed with a highly durable watertight housing. These indicators are designed for a variety of applications such as:

- Instrument panels
- Gauge
- Dash boards
- Storage compartments
- Control panels

DIMENSIONS inches [mm]



ORDERING INFORMATION

Part Number	Color	Voltage (V DC)	Current (mA)	Intensity Typ. (mcd)
657-3009-213F	○ Cool White	12–32	24	2700
657-3009-804F	● Red			1850
657-3009-803F	● Green			2600
657-3009-808F	● Orange			3500
657-3009-806F	● Blue			600



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677 SERIES

7mm High Intensity Panel Mount Indicators

MECHANICAL / SPECIFICATIONS

MOUNTING HOLE SIZE: 0.283" (7.2 mm)

MAX PANEL THICKNESS: See part numbers

MOUNTING TORQUE:

0.362 lbs/ft (5 kg/cm)

0.217 lbs/ft or 3 kg/cm (Figure 3)

VOLTAGE OPTIONS:

6, 12 & 24 VDC (no resistor required)

OPERATING TEMP:

-20 °C to +75 °C (-4 °F to +167 °F)

STORAGE TEMP:

-40 °C to +100 °C (-40 °F to +212 °F)

ELECTRICAL CONNECTION:

Solder terminals and 6" wire leads

HOUSING:

Protruding position: Brass–Chrome or Black Plated

Recessed position: Brass–Chrome Plated

Internal position: Polycarbonate

TERMINALS: Copper–Nickel Plated

LOCK WASHER: Iron–Nickel Plated

NUT: Brass–Nickel Plated

CERTIFICATIONS & RATINGS

RoHS compliant

NEMA 4X (with gasket)

IP66 (with gasket)

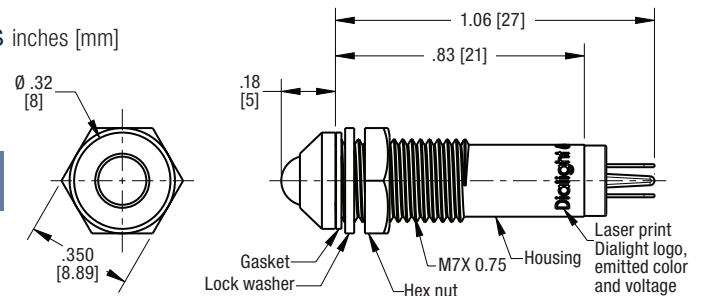
APPLICATION

The 677 Series LED Panel Mount Indicators are designed for a variety of applications such as:

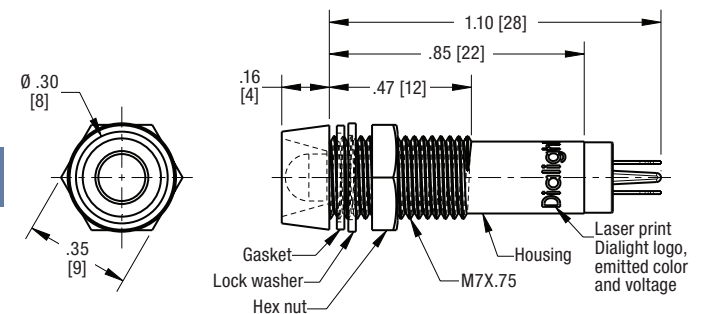
- Main power indication
- Remote power indication
- Status indication
- Maintenance and warning indication
- Instrumentation

DIMENSIONS inches [mm]

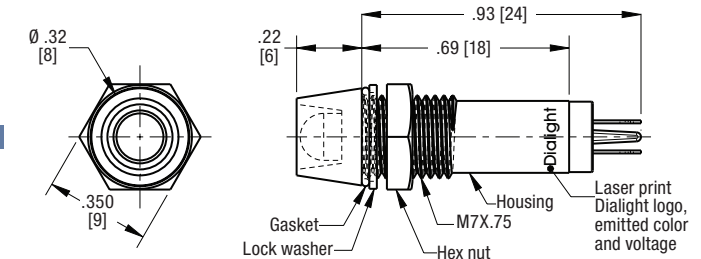
PROTRUDING Non-Polarized



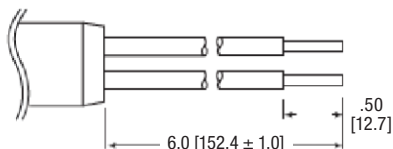
RECESSED Non-Polarized



INTERNAL



6" WIRE LEADS



ORDERING INFORMATION

Protruding Lens

Chrome Plated Brass Housing		Black Plated Brass Housing		Color	Voltage (VDC)	Current (mA)	Intensity Typ. (mcd)	Panel Thickness
Terminals	Wire Leads	Terminals	Wire Leads					
677-1112-321F	677-1115-321F	677-1122-321F	677-1125-321F	Red	6	15	825	0.265" (6.75 mm)
677-1212-322F	677-1215-322F	677-1222-322F	677-1225-322F	Green			4135	
677-1312-323F	677-1315-323F	677-1322-323F	677-1325-323F	Orange			560	
677-1412-324F	677-1415-324F	677-1422-324F	677-1425-324F	Blue			700	
677-1112-331F	677-1115-331F	677-1122-331F	677-1125-331F	Red	12		825	
677-1212-332F	677-1215-332F	677-1222-332F	677-1225-332F	Green			4135	
677-1312-333F	677-1315-333F	677-1322-333F	677-1325-333F	Orange			560	
677-1412-334F	677-1415-334F	677-1422-334F	677-1425-334F	Blue			700	
677-1112-341F	677-1115-341F	677-1122-341F	677-1125-341F	Red	24		825	
677-1212-342F	677-1215-342F	677-1222-342F	677-1225-342F	Green			4135	
677-1312-343F	677-1315-343F	677-1322-343F	677-1325-343F	Orange			560	
677-1412-344F	677-1415-344F	677-1422-344F	677-1425-344F	Blue			700	

Recessed Lens

Chrome Plated Brass Housing		Color	Voltage (VDC)	Current (mA)	Intensity Typ. (mcd)	Panel Thickness
Terminals	Wire Leads					
677-2112-321F	677-2115-321F	Red	6	15	925	0.336" (8.50 mm)
677-2212-322F	677-2215-322F	Green			4135	
677-2312-323F	677-2315-323F	Orange			600	
677-2412-324F	677-2415-324F	Blue			730	
677-2112-331F	677-2115-331F	Red	12		925	
677-2212-332F	677-2215-332F	Green			4135	
677-2312-333F	677-2315-333F	Orange			600	
677-2412-334F	677-2415-334F	Blue			730	
677-2112-341F	677-2115-341F	Red	24		925	
677-2212-342F	677-2215-342F	Green			4135	
677-2312-343F	677-2315-343F	Orange			600	
677-2412-344F	677-2415-344F	Blue			730	

Internal Lens

Polycarbonate Housing		Color	Voltage (VDC)	Current (mA)	Intensity Typ. (mcd)	Panel Thickness
Terminals	Wire Leads					
677-3132-321F	677-3135-321F	Red	6	15	1370	0.187" (4.75 mm)
677-3232-322F	677-3235-322F	Green			5500	
677-3332-323F	677-3335-323F	Orange			1280	
677-3432-324F	677-3435-324F	Blue			1200	
677-3132-331F	677-3135-331F	Red	12		1370	
677-3232-332F	677-3235-332F	Green			5500	
677-3332-333F	677-3335-333F	Orange			1280	
677-3432-334F	677-3435-334F	Blue			1200	
677-3132-341F	677-3135-341F	Red	24		1370	
677-3232-342F	677-3235-342F	Green			5500	
677-3332-343F	677-3335-343F	Orange			1280	
677-3432-344F	677-3435-344F	Blue			1200	



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678 SERIES

8mm High Intensity Panel Mount Indicators

MECHANICAL / SPECIFICATIONS

MOUNTING HOLE SIZE:

0.323" (8.2 mm) [Fig. 1 & 2];

0.335" (8.5 mm) [Fig. 3]

MAX PANEL THICKNESS:

see part number table

MOUNTING TORQUE:

0.271 lbs/ft (3 kg/cm) [Fig. 1 & 2]

0.362 lbs/ft (5 kg/cm) torque [Fig. 3]

OPERATING VOLTAGE:

2 & 3.3 VDC [Fig. 1 & 2]; 6, 12 & 24 VDC [Fig. 3]

(no resistor required)

OPERATING TEMP:

-20 °C to +75 °C (-4 °F to 167 °F)

STORAGE TEMP:

-40 °C to +100 °C (-40 °F to 212 °F)

ELECTRICAL CONNECTION:

Straight leads [Fig. 1 & 2]; Solder terminals or 6" wire leads [Fig. 3]

HOUSING:

Protruding: Chrome plated brass; Internal position: Polycarbonate

TERMINALS: Copper–Nickel Plated

LOCK WASHER: Iron–Nickel Plated

NUT: Brass–Nickel Plated

CERTIFICATIONS & RATINGS

RoHS compliant

IP66 (protruding type only)

APPLICATION

The 678 Series LED Panel Mount Indicators are designed for a variety of applications such as:

- Main power indication
- Remote power indication
- Status indication
- Maintenance and warning indication
- Instrumentation

DIMENSIONS inches [mm]

FIGURE 1

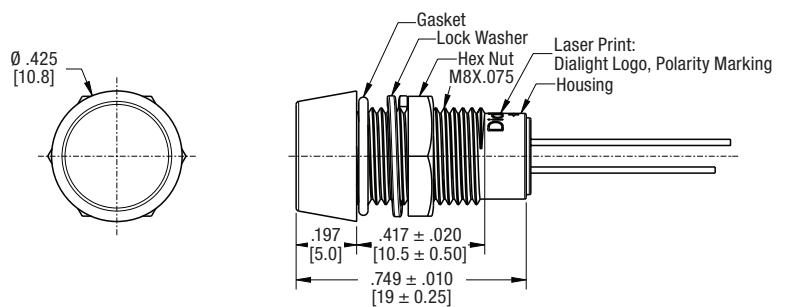
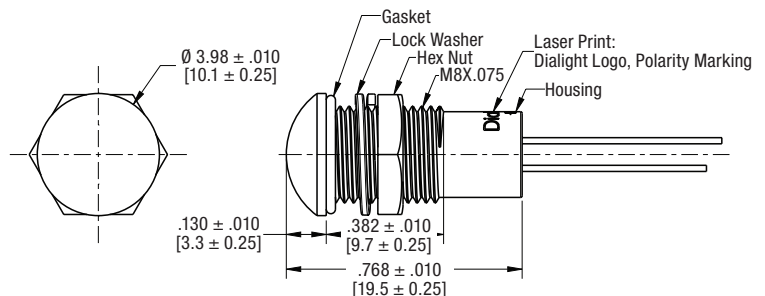


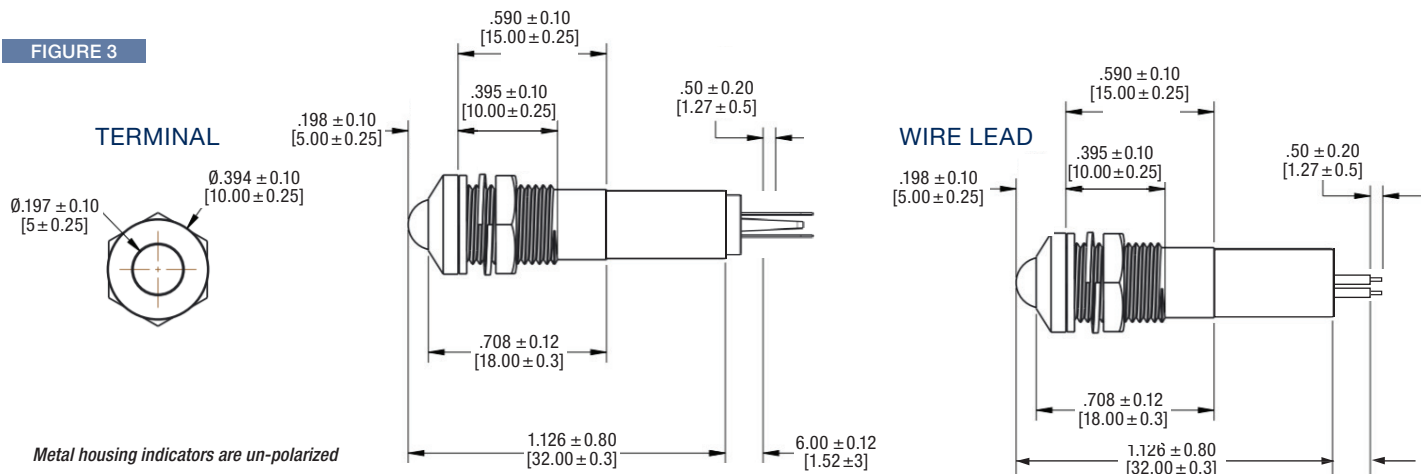
FIGURE 2



These indicators are un-polarized

DIMENSIONS inches [mm]

FIGURE 3



ORDERING INFORMATION

Part Number	Color	Voltage (V DC)	Current (mA)	Typical Intensity (mcd)	Viewing Angle	LED Position	Fig. #	Mount Style	Panel Thickness
Straight Leads									
Polycarbonate									
678-1131-111F	● Red	2	15	2210	4	Internal	1	Lock washer & nut	.2165" (5.5 mm)
678-1231-112F	● Green	3.3		46860					
678-1331-113F	● Orange	2		2210					
678-1431-114F	● Blue	3.3		7100					
678-3131-111F	● Red	2		3020	40		2		
678-3231-112F	● Green	3.3		30600	20				
678-3331-113F	● Orange	2		3260	20				
678-3431-114F	● Blue	3.3		4360	40				

White Nickel

Part Number	Part Number	Color	Voltage (V DC)	Current (mA)	Typical Intensity (mcd)	Viewing Angle	LED Position	Fig. #	Mount Style	Panel Thickness					
Terminals	Wire Leads														
678-1112-321F	678-1115-321F	Red	6	15	320	20	Protruding	3	Lock washer & nut	.3158" (8.0 mm)					
678-1212-322F	678-1215-322F	Green			2920										
678-1312-323F	678-1315-323F	Orange			490										
678-1412-324F	678-1415-324F	Blue			220										
678-1112-331F	678-1115-331F	Red	12		320						20	Protruding	3	Lock washer & nut	.3158" (8.0 mm)
678-1212-332F	678-1215-332F	Green			2920										
678-1312-333F	678-1315-333F	Orange			490										
678-1412-334F	678-1415-334F	Blue			220										
678-1112-341F	678-1115-341F	Red	24		320						20	Protruding	3	Lock washer & nut	.3158" (8.0 mm)
678-1212-342F	678-1215-342F	Green			2920										
678-1312-343F	678-1315-343F	Orange			490										
678-1412-344F	678-1415-344F	Blue			220										



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679 SERIES

9mm High Intensity Panel Mount Indicators

MECHANICAL / SPECIFICATIONS

MOUNTING HOLE SIZE:

0.374" (9.5 mm)

MAX PANEL THICKNESS:

0.374" (9.5 mm):

WITH GASKET:

0.318" (8.0 mm)

MOUNTING TORQUE:

0.362 lbs/ft (5 kg/cm)

VOLTAGE OPTIONS:

6, 12 & 24 V DC (no resistor required)

OPERATING TEMP:

-20 °C to +75 °C (-4 °F to +167 °F)

STORAGE TEMP:

-40 °C to +100 °C (-40 °F to +212 °F)

ELECTRICAL CONNECTION:

Solder terminals, 6" wire leads

HOUSING:

Brass—Chrome or Black Plated

TERMINALS:

Copper–Nickel Plated

LOCK WASHER:

Iron–Nickel Plated

NUT:

Brass-Nickel Plated

CERTIFICATIONS & RATINGS

RoHS compliant

NEMA 4X (with gasket)

IP66 (with gasket)

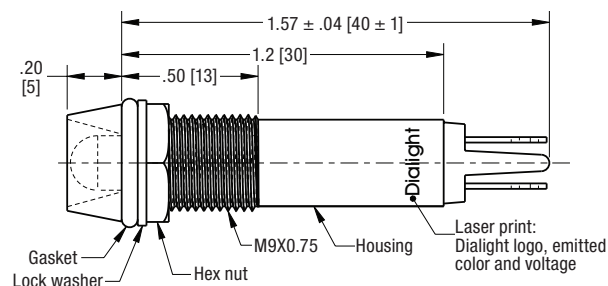
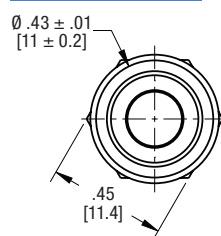
APPLICATION

The 679 Series LED Panel Mount Indicators are designed for a variety of applications such as:

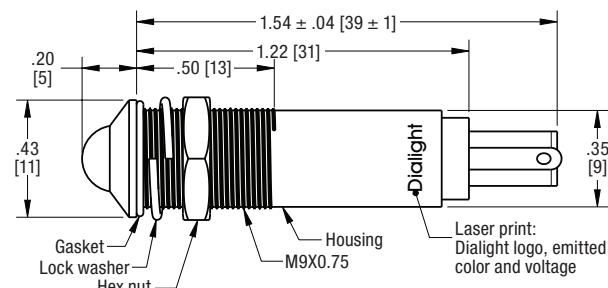
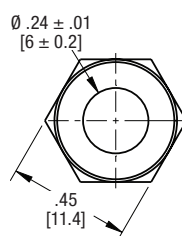
- Main power indication
- Remote power indication
- Status indication
- Maintenance and warning indication
- Instrumentation

DIMENSIONS inches [mm]

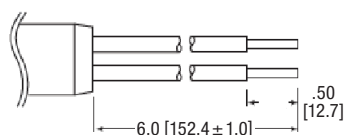
RECESSED
Non-Polarized



PROTRUDING
Non-Polarized



6" WIRE LEADS



ORDERING INFORMATION

Recessed LED

Part Number / Termination		Color	Voltage (V DC)	Current (mA)	Intensity Typ. (mcd)	Plating
Solder Terminals	6" Wire Leads					
679-2112-321F	679-2115-321F	Red	6	15	775	Chrome
679-2212-322F	679-2215-322F	Green			5870	
679-2312-323F	679-2315-323F	Orange			1570	
679-2412-324F	679-2415-324F	Blue			270	
679-2112-331F	679-2115-331F	Red	12		775	
679-2212-332F	679-2215-332F	Green			5870	
679-2312-333F	679-2315-333F	Orange			1570	
679-2412-334F	679-2415-334F	Blue			270	
679-2112-341F	679-2115-341F	Red	24		775	
679-2212-342F	679-2215-342F	Green			5870	
679-2312-343F	679-2315-343F	Orange			1570	
679-2412-344F	679-2415-344F	Blue			270	
679-2122-321F	679-2125-321F	Red	6		775	Black
679-2222-322F	679-2225-322F	Green			5870	
679-2322-323F	679-2325-323F	Orange			1570	
679-2422-324F	679-2425-324F	Blue			270	
679-2122-331F	679-2125-331F	Red	12		775	
679-2222-332F	679-2225-332F	Green			5870	
679-2322-333F	679-2325-333F	Orange			1570	
679-2422-334F	679-2425-334F	Blue			270	
679-2122-341F	679-2125-341F	Red	24		775	
679-2222-342F	679-2225-342F	Green			5870	
679-2322-343F	679-2325-343F	Orange			1570	
679-2422-344F	679-2425-344F	Blue			270	

Protruding LED

Part Number / Termination		Color	Voltage (V DC)	Current (mA)	Intensity Typ. (mcd)	Plating
Solder Terminals	6" Wire Leads					
679-1112-321F	679-1115-321F	Red	6	15	485	Chrome
679-1212-322F	679-1215-322F	Green			5870	
679-1312-323F	679-1315-323F	Orange			1570	
679-1412-324F	679-1415-324F	Blue			215	
679-1112-331F	679-1115-331F	Red	12		485	
679-1212-332F	679-1215-332F	Green			5870	
679-1312-333F	679-1315-333F	Orange			1570	
679-1412-334F	679-1415-334F	Blue			215	
679-1112-341F	679-1115-341F	Red	24		485	
679-1212-342F	679-1215-342F	Green			5870	
679-1312-343F	679-1315-343F	Orange			1570	
679-1412-344F	679-1415-344F	Blue			215	
679-1122-321F	679-1125-321F	Red	6		485	Black
679-1222-322F	679-1225-322F	Green			5870	
679-1322-323F	679-1325-323F	Orange			1570	
679-1422-324F	679-1425-324F	Blue			215	
679-1122-331F	679-1125-331F	Red	12		485	
679-1222-332F	679-1225-332F	Green			5870	
679-1322-333F	679-1325-333F	Orange			1570	
679-1422-334F	679-1425-334F	Blue			215	
679-1122-341F	679-1125-341F	Red	24		485	
679-1222-342F	679-1225-342F	Green			5870	
679-1322-343F	679-1325-343F	Orange			1570	
679-1422-344F	679-1425-344F	Blue			215	



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Circuit Board Indicators

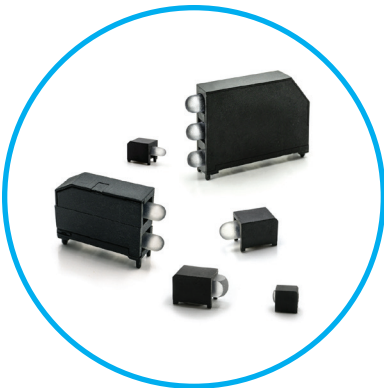


550, 551, 552, 553, 555, 561, 564, 566, 567, 568, 569, 570 AND 571 SERIES

CBI® Through Hole Discrete and housed LEDs

The widest variety of configurations including:

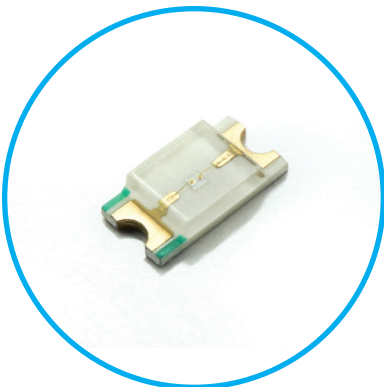
- Right angle, vertical and horizontal arrays in single, bi, tri and quad blocks
- 2mm, 3mm, 4mm, 5mm and rectangular LEDs
- Perfect for direct view or backlighting applications
- Single and bi-color, diffused, water-clear, tinted, super-bright and high efficiency
- Over 2500 variations, with custom LED placement available
- All visible colors of the spectrum available (from blue to red)



591, 592, 593, 594, 595 AND 596 SERIES

PRISM® Surface Mount LEDs Right Angle SMDs

- Fully SMD process compliant part (taped and reeled / pick and place / reflow oven compatible)
- 1.6mm, 2mm and 3mm LEDs
- Can withstand higher temp RoHS solder process and eliminates need for secondary optics or separate process
- Available in standard and low current versions
- Available with square or round lens
- Packaged in single, bi- and tri-level configurations



597, 598 AND 599 SERIES

microLED® Surface Mount LEDs

Ten different package sizes including:

- 0402, 0404, 0603, 0606, 0805, 1206, 1208, 1210, 1515, 2827, 3528 / PLCC and 3735
- Single color, bi-color, tri-color in top, right angle, and reverse mount LED configurations
- Latest AlInGaP and InGaN technology
- Cost competitive pricing



515 SERIES

OPTOPIPE® Light Pipes for use with microLED® SMDs

- Light pipes act as a conduit for directing light from LED to front panel viewing
- For PCB and panel mount press-fit mounting
- Right angle and vertical versions available in more than 400 sizes and shapes
- Provides ESD protection, operating / storage temperature -30°C to +100°C
- Allows edge lighting around components such as SFP assemblies and RJ45 jacks
- UL 94V-0 Compliant

Panel Mount Indicators

585 AND 586

Based LED Bulbs

- Replaces traditional miniature incandescent bulbs with rugged long-lasting and energy-efficient LEDs
- Base styles including: T 1 3/4 Midget Flange, Wedge Base and Bi-Pin, T 3 1/4 Mini-Bayonet and Mini-Screw, T2 Telephone Slide and 15mm Bayonet
- Voltages from 6, 14 and 28 VDC, 6-36 VDC multi-voltage operation and 125 VAC with non-polarized versions available
- Colors include: red, green, yellow, blue and white while our 558, 559 and some 600 series use a snap-in plastic housing



249, 507, 556, 557, 558, 559, 605, 606, 607, 608, 609, 610, 612, 620, 621, 622, 623, 630, 653, 654, 655, 656 657, 658, 675, 676, 677, 678, 679, 680 AND 682 SERIES

LED Panel Mount Indicators

Plastic and metal housings

- Incorporating the latest LED technology in a tamper-proof metal housing enclosures
- Variety of mounting hole diameters from 0.156" (3.9mm) - 1.18" (30 mm)
- Operating voltages 2-72 VDC, 125 and 230 VAC
- Some feature a water-tight seal to NEMA 4X / IP66/67 and daylight viewability
- Available in: red, green, yellow, orange, blue, cyan and white
- 556 and 656 series are UL certified
- RoHS compliant, some with 6C exemptions
- All metal and some plastic housing use lock washer and nut for secure mounting while our 558, 559 and some 600 series use a snap-in plastic housing



Military And Relampable Panel Mount Indicators

- Military - LH, LC and MS designations and QPL listed
- Incandescent or neon, designed to mount into 15/32C, 11/16" and 1" clearance holes
- Feature water-tight and oil-tight, edge lighting, press-to-test, and dimmable semi or total blackout
- Consult Dialight's Military Cross Reference for specific part number
- Commercial - Incandescent or neon indicators UL recognized designed to mount into 15/32", 11/16" and 1" clearance holes
- Lenses are available in flat, dome, torpedo and faceted

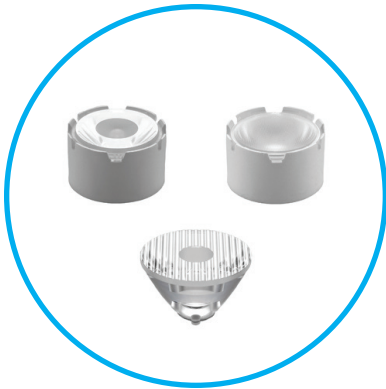


Optics

OPT SERIES

TIR Optics

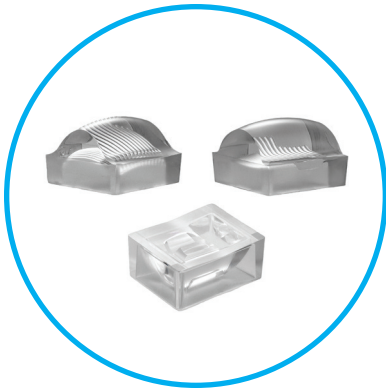
- High transmissivity
- UL rated optic material
- Optic only with tape or Optic pre-installed in housing with tape for mounting



OPT SERIES

Lens Optics

- High transmissivity
- UL rated optic material
- Lens includes locating pins for consistent alignment



OPT SERIES

Reflective Optics

- Only 11.5mm (0.453") maximum diameter
- Ideal for tightly spaced LED arrays
- Adhesive backing for easy installation. Adhesive rated from -40°C to +120°C (-40°F to +248°F)
- Automatic alignment feature
- Spot and wide versions available
- Universal version suites Cree XPC, XPE, XPG and standard Rebel LEDs



OE is **O**ur **E**xpertise.