



Certifications & Ratings

- UL 1598 (E156890)
- IP66
- NEMA 4X
- RoHS Compliant w/6C exemption
- IK07

Application

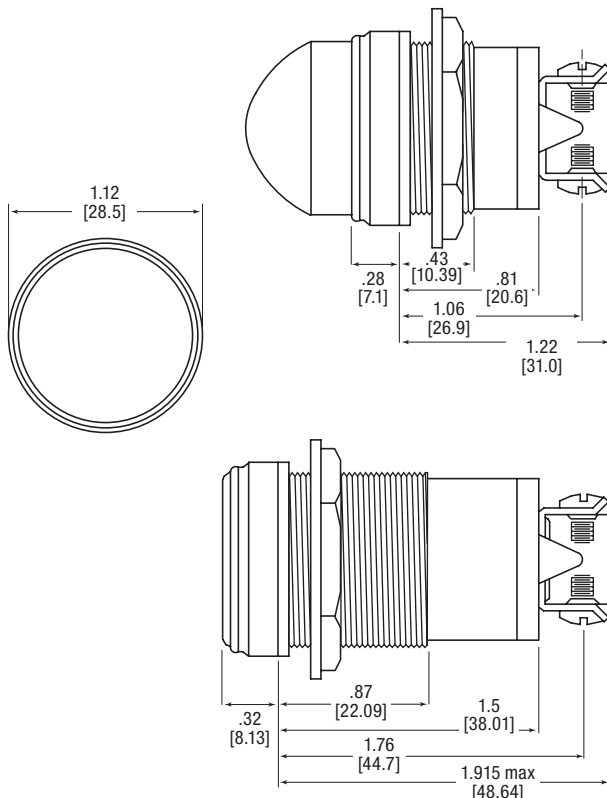
The 556 Series LED Panel Mount Indicators incorporate both InGaN and AlInGaP technologies to offer maximum light output. This is a highly durable package, designed to withstand outdoor applications susceptible to rain, dust and sunlight:

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

... and many more!

Dimensions

inches [mm]



Mechanical information

- 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

Specifications

- Voltage Options:** 12 to 125 VDC, and 125, 230 VAC (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



Ordering Information

556 Series — Standard, Flat Lens

Part Number Guide 556 Series

RoHS Compliant

5	5	6	-	X	X	X	X	-	X	0	4	F
Lens Style								Voltage				
Flat		1	Color				3	12VDC				
Domed		3	○ White		0	0	4	24VDC				
			● Red		5	0	8	37.5VDC		Plating		
			● Green		6	0	6	72VDC				
			● Cyan		6	8	7	125VDC*				
			● Yellow		7	0	5	125VAC*				
			● Blue		8	0	9	230VDC*				
			● Orange		9	0			*white nickel only			
									2	Black		
									3	White		

Flat Lens

White Nickel	Black Nickel	Color	Voltage	Typ Current (mA)	Typical Intensity (mcd)
556-1003-304F	556-1003-204F	○ White	12 VDC	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 VDC	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 VDC	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 VDC	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 VDC	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 VAC	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 VAC	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

Ordering Information

556 Series — Standard, Domed Lens

Domed Lens

White Nickel	Black Nickel	Color	Voltage	Typ Current (mA)	Typical Intensity (mcd)
556-3003-304F	556-3003-204F	○ White	12 VDC	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 VDC	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 VDC	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 VDC	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 VDC	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 VAC	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 VAC	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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Warranty Statement: Except for the warranty expressly provided for [herein/above/below], 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.



Certifications & Ratings

- IP66
- NEMA 4X
- RoHS Compliant w/6C exemption
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Application

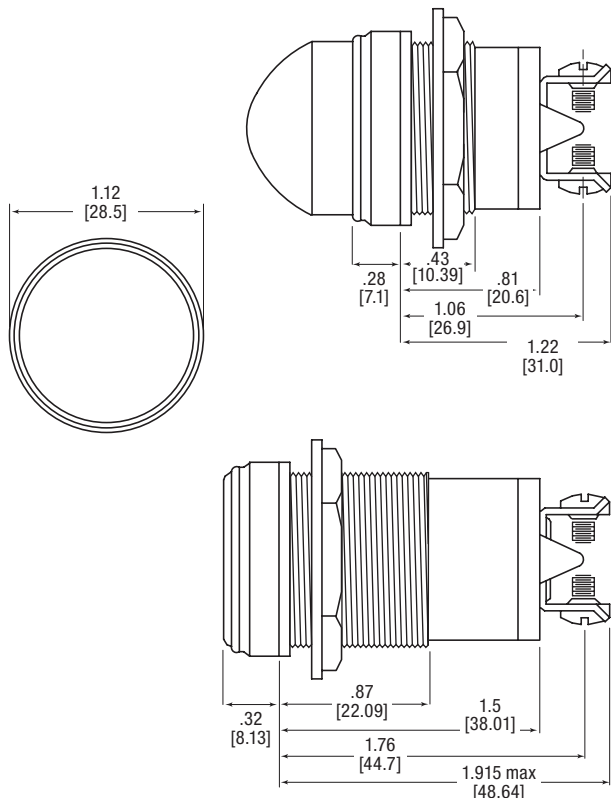
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- Instrument panels
- Safety applications
- Transportation: rail, bus, airline
- Vending, gaming
- Lane control
- Display lighting

... and many more!

Dimensions

inches [mm]



Mechanical information

- 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

Specifications

- Voltage Options:** 18–48VDC
(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:** Brass—White or Black Nickel Plated



Ordering Information

556 Series — Standard Constant Intensity

Part Number Guide 556 Series												RoHS Compliant
5	5	6	-	X	X	X	A	-	X	0	4	F
Lens Style				Color			Voltage			Plating		
Flat	1				A 18–48 VDC							
Domed	3	● Red	5	0								
		● Green	6	0								
		● Yellow	7	0				2 Black				
								3 White				

Flat Lens

Domed Lens

White Nickel Plating	Black Nickel Plating	White Nickel Plating	Black Nickel Plating	Color	Voltage (VDC)	Typ Current (mA)	Typical Intensity (mcd)
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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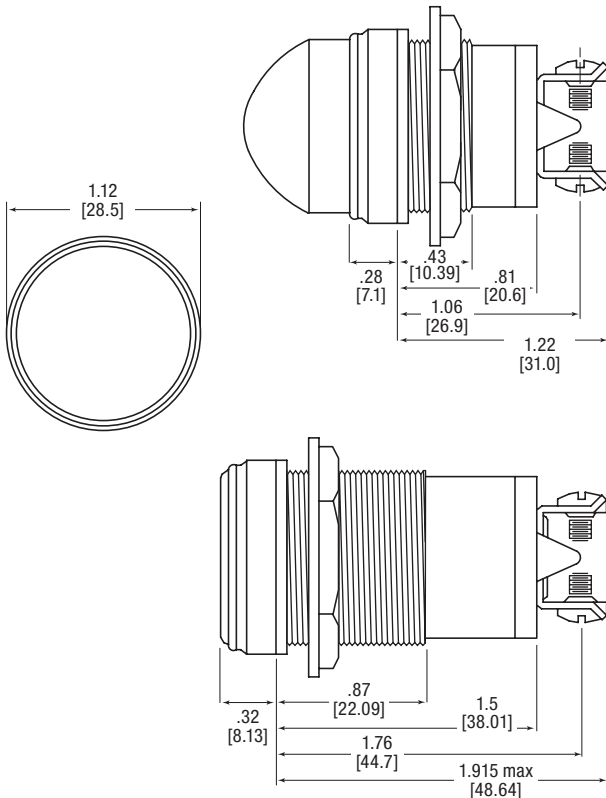
Application

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. In addition, the Class I, Division 2 rating allows for use in hazardous environments common to the oil and gas, mining, and chemical industries:

- Instrument panels
 - Safety applications
 - UL 508 panel applications
 - Petrochemical applications
 - Environmental Monitoring Equipment specifications
 - Pump system controllers
 - Mining application
 - Oil Refineries
 - Agricultural controls
 - Power generators
- ... and many more!

Dimensions

inches [mm]



Mechanical information

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

Specifications

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



Ordering Information

556 Series—Class 1, Div 2, Flat Lens

Part Number Guide 556 Series

RoHS Compliant

5	5	6	-	X	X	X	X	-	X	2	4	F
				Lens Style			Color			Voltage		
				Flat	1					3	12 VDC	
				Domed	3					4	24 VDC	
							○ White	0	0	8	37.5 VDC	
							● Red	5	0	6	72 VDC	
							● Green	6	0	7	125 VDC*	
							● Cyan	6	8	5	125 VAC*	
							● Yellow	7	0	9	230 VDC*	
							● Blue	8	0			
							● Orange	9	0			
										*white nickel only		
										Plating		
										2	Black	
										3	White	

Flat Lens

White Nickel	Black Nickel	Color	Voltage	Typ Current (mA)	Typical Intensity (mcd)
556-1003-324F	556-1003-224F	○ White	12 VDC	60	61,000
556-1503-324F	556-1503-224F	● Red		95	22,000
556-1603-324F	556-1603-224F	● Green		60	41,500
556-1683-324F	556-1683-224F	● Cyan		60	37,000
556-1703-324F	556-1703-224F	● Yellow		95	13,500
556-1803-324F	556-1803-224F	● Blue		60	13,000
556-1903-324F	556-1903-224F	● Orange		95	11,500
556-1004-324F	556-1004-224F	○ White	24 VDC	32	61,000
556-1504-324F	556-1504-224F	● Red		46	22,000
556-1604-324F	556-1604-224F	● Green		32	41,500
556-1684-324F	556-1684-224F	● Cyan		32	37,000
556-1704-324F	556-1704-224F	● Yellow		46	13,500
556-1804-324F	556-1804-224F	● Blue		32	13,000
556-1904-324F	556-1904-224F	● Orange		46	11,500
556-1508-324F	556-1508-224F	● Red	37.5 VDC	20	14,000
556-1608-324F	556-1608-224F	● Green		16	54,000
556-1708-324F	556-1708-224F	● Yellow		20	12,750
556-1006-324F	556-1006-224F	○ White	72 VDC	18.5	15,000
556-1506-324F	556-1506-224F	● Red		18.5	45,500
556-1606-324F	556-1606-224F	● Green		16	9,000
556-1706-324F	556-1706-224F	● Yellow		20	15,000
556-1806-324F	556-1806-224F	● Blue		18.5	36,000
556-1007-324F	—	○ White	125 VDC	10.5	8,000
556-1507-324F	—	● Red		10	27,000
556-1607-324F	—	● Green		10	5,750
556-1707-324F	—	● Yellow	125 VAC	10	35,000
556-1005-324F	—	○ White		11	8,000
556-1505-324F	—	● Red		10.5	29,000
556-1605-324F	—	● Green		9.5	24,750
556-1685-324F	—	● Cyan		9.5	5,750
556-1705-324F	—	● Yellow		10.5	7,750
556-1805-324F	—	● Blue		9.5	6,000
556-1905-324F	—	● Orange		10.5	35,000
556-1009-324F	—	○ White	230 VAC	6	8,000
556-1509-324F	—	● Red		7	29,000
556-1609-324F	—	● Green		7	5,750
556-1709-324F	—	● Yellow		7	7,750
556-1809-324F	—	● Blue		7	6,000
556-1909-324F	—	● Orange		7	3100

Ordering Information

556 Series — Class 1, Div 2, Domed Lens

Domed Lens

White Nickel	Black Nickel	Color	Voltage	Typ Current (mA)	Typical Intensity (mcd)
556-3003-324F	556-3003-224F	○ White	12 VDC	60	17,000
556-3503-324F	556-3503-224F	● Red		95	14,000
556-3603-324F	556-3603-224F	● Green		60	14,000
556-3683-324F	556-3683-224F	● Cyan		60	11,500
556-3703-324F	556-3703-224F	● Yellow		95	4,000
556-3803-324F	556-3803-224F	● Blue		60	12,000
556-3903-324F	556-3903-224F	● Orange		95	3,500
556-3004-324F	556-3004-224F	○ White	24 VDC	32	17,000
556-3504-324F	556-3504-224F	● Red		46	14,000
556-3604-324F	556-3604-224F	● Green		32	14,000
556-3684-324F	556-3684-224F	● Cyan		32	11,500
556-3704-324F	556-3704-224F	● Yellow		46	4,000
556-3804-324F	556-3804-224F	● Blue		32	12,000
556-3904-324F	556-3904-224F	● Orange		46	3,500
556-3508-324F	556-3508-224F	● Red	37.5 VDC	20	4,750
556-3608-324F	556-3608-224F	● Green		16	15,750
556-3708-324F	556-3708-224F	● Yellow		20	3,250
556-3006-324F	556-3006-224F	○ White	72 VDC	18.5	4,200
556-3506-324F	556-3506-224F	● Red		18.5	14,250
556-3606-324F	556-3606-224F	● Green		16	2,600
556-3706-324F	556-3706-224F	● Yellow		20	4,500
556-3806-324F	556-3806-224F	● Blue		18.5	10,250
556-3007-324F	—	○ White	125 VDC	10.5	2,500
556-3507-324F	—	● Red		10	8,250
556-3607-324F	—	● Green		10	1,500
556-3707-324F	—	● Yellow		10	10,250
556-3005-324F	—	○ White	125 VAC	11	2,500
556-3505-324F	—	● Red		10.5	9,500
556-3605-324F	—	● Green		9.5	6,500
556-3685-324F	—	● Cyan		9.5	1,750
556-3705-324F	—	● Yellow		10.5	3,000
556-3805-324F	—	● Blue		9.5	1,750
556-3905-324F	—	● Orange		10.5	10,250
556-3009-324F	—	○ White	230 VAC	6	2,500
556-3509-324F	—	● Red		7	9,500
556-3609-324F	—	● Green		7	1,750
556-3709-324F	—	● Yellow		7	3,000
556-3809-324F	—	● Blue		7	1,750
556-3909-324F	—	● Orange		7	3100

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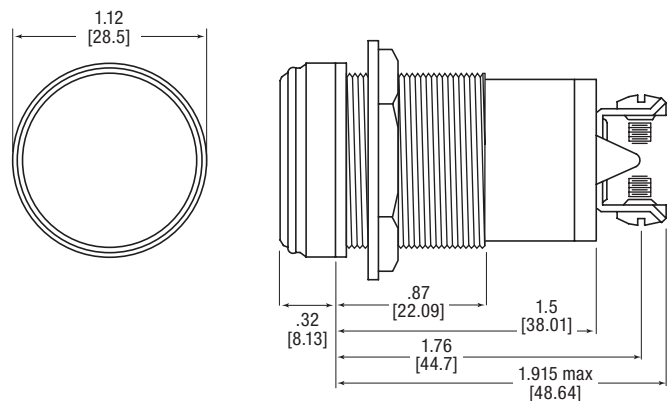
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- UL 508 panel applications
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- Power Generators
- Environmental Monitoring Equipment
- Ground support vehicles
- Pump system controllers
- Transportation - rail, bus, airline
- Lane control
- Display lighting
- ...and many more!

Dimensions

inches [mm]



Mechanical information

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Max Panel Thickness: 0.600" (15.24 mm)

Mounting Torque: 40 in-lbs

Specifications

Voltage Options: 12 to 125 VDC, and 125, 230 VAC (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

Ordering Information

556 Series — Daylight Viewable

Part Number Guide 556 Series

RoHS Compliant

5	5	6	-	1	X	X	X	-	X	1	4	F
							Voltage					
					Color		3 12VDC					
					● Red	5 0	4 24VDC					
					● Green	6 0	8 37.5VDC		Plating			
					● Cyan	6 8	6 72VDC		2		Black	
					● Yellow	7 0	7 125VDC*		3		White	
					● Blue	8 0	5 125VAC*					
					● Orange	9 0	9 230VDC*		*white nickel only			

White Nickel	Black Nickel	Color	Voltage	Typ Current (mA)	Typical 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

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 [herein/above/below], 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.



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
- ...and many more!

Mechanical information

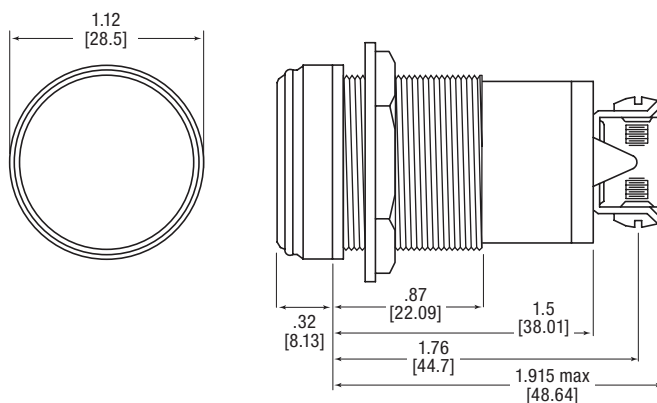
Mounting Hole Size: 1.0" (25.4 mm)
Max Panel Thickness: 0.600" (15.24 mm)
Mounting Torque: 40 in-lbs

Specifications

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

Dimensions

inches [mm]



Ordering Information

556 Series — Daylight Viewable Constant Intensity

Part Number Guide 556 Series

5

5

6

-

1

X

X

A

-

X

1

4

F

Color

Red

5

0

Green

6

0

Yellow

7

0

Voltage

A 18–48 VDC

Plating

2 Black

3 White

RoHS Compliant

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