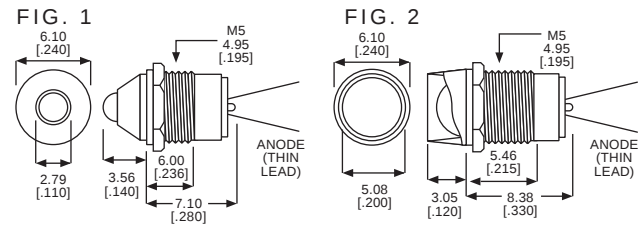
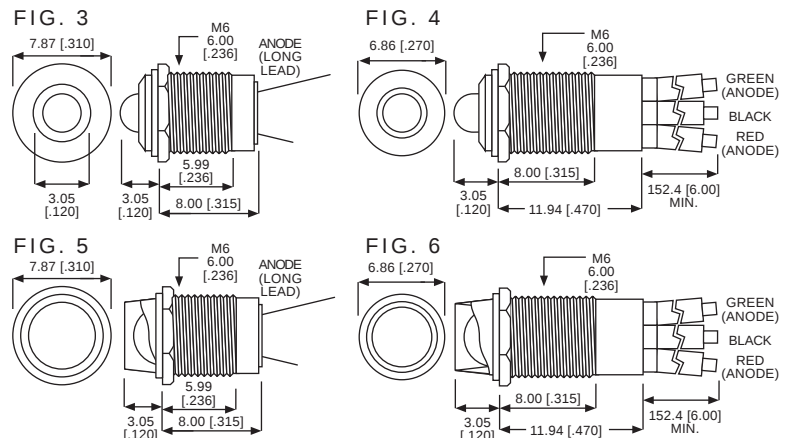


605 SERIES FOR 5mm MOUNTING HOLE

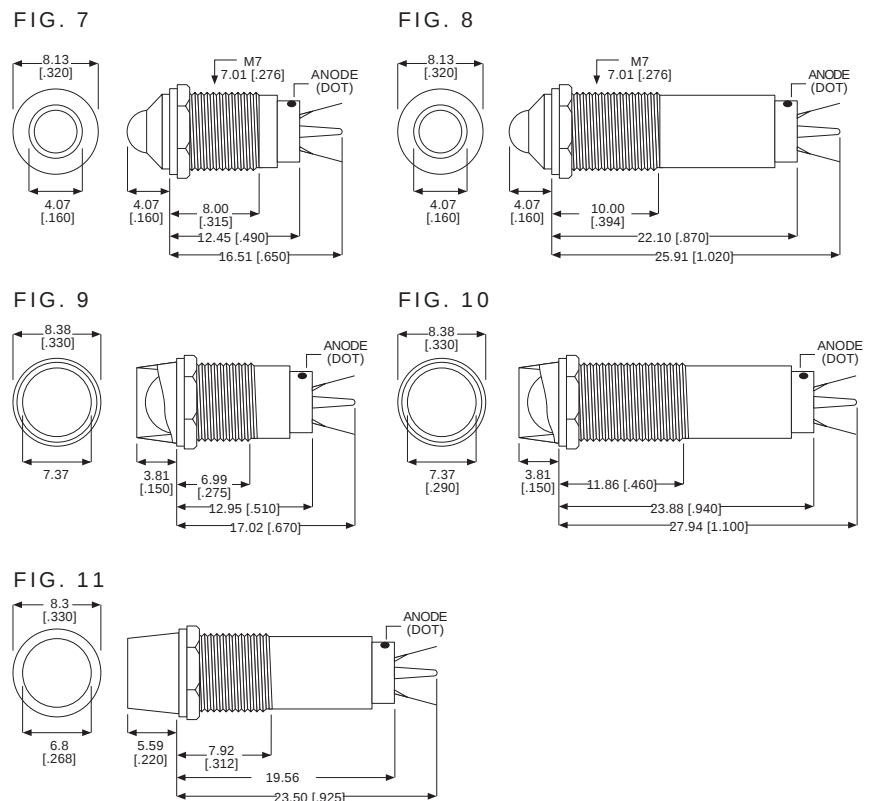
PART NO.	COLOR	V _F	mA	mcd†	FIG.
605-1111-110	R	2	10	1.2	1
605-1211-110	G	2	15	0.8	1
605-1311-110	Y	2	15	2.0	1
605-2111-110	R	2	10	1.2	2
605-2211-110	G	2	15	0.8	2
605-2311-110	Y	2	15	2.0	2

**606 SERIES FOR 6mm MOUNTING HOLE**

PART NO.	COLOR	V _F	mA	mcd†	FIG.
606-1111-110	R	2	5	2.4	3
606-1211-110	G	2	15	3.0	3
606-1311-110	Y	2	10	3.7	3
606-1415-110	R/G	2	5/20	.6/1.0	4
606-1415-120	R/G	6	5/20	.6/1.0	4
606-1415-130	R/G	12	5/20	.6/1.0	4
606-2111-110	R	2	5	2.4	5
606-2211-110	G	2	15	3.0	5
606-2311-110	Y	2	10	3.7	5
606-2415-110	R/G	2	5/20	.6/1.0	6
606-2415-120	R/G	6	5/20	.6/1.0	6
606-2415-130	R/G	12	5/20	.6/1.0	6

**607 SERIES FOR 7mm MOUNTING HOLE**

PART NO.	COLOR	V _F	mA	mcd†	FIG.
607-1112-110	R	2	15	8.0	7
607-1212-110	G	2	15	8.0	7
607-1312-110	Y	2	15	2.2	7
607-1112-120	R	6	15	8.0	8
607-1212-120	G	6	15	8.0	8
607-1312-120	Y	6	15	2.2	8
607-1112-130	R	12	15	8.0	8
607-1212-130	G	12	15	8.0	8
607-1312-130	Y	12	15	2.2	8
607-2112-110	R	2	15	8.0	9
607-2212-110	G	2	15	8.0	9
607-2312-110	Y	2	15	2.2	9
607-2112-120	R	6	15	8.0	10
607-2212-120	G	6	15	8.0	10
607-2312-120	Y	6	15	2.2	10
607-2112-130	R	12	15	8.0	10
607-2212-130	G	12	15	8.0	10
607-2312-130	Y	12	15	2.2	10
607-3132-120	R	6	15	8.0	11
607-3232-120	G	6	15	8.0	11
607-3332-120	Y	6	15	2.2	11
607-3132-130	R	12	15	8.0	11
607-3232-130	G	12	15	8.0	11
607-3332-130	Y	12	15	2.2	11



Housing material: Chrome plated brass
except for Fig. 11 (polycarbonate
matching color of LED)

† mcd intensity of LED

Dimensions in mm [inches]

608 SERIES FOR 8mm MOUNTING HOLE

PART NO.	COLOR	V _F	mA	mcd†	FIG.
608-1131-110	R	2	15	20	1
608-1231-110	G	2	15	15	1
608-1331-110	Y	2	15	4	1
608-3131-110	R	2	15	20	2
608-3231-110	G	2	15	15	2
608-3331-110	Y	2	15	4	2

SNAP-IN

PART NO.	COLOR	V _F	mA	mcd†	FIG.
608-1132-220	R	6	15	20	3
608-1232-220	G	6	15	20	3
608-1332-220	Y	6	15	10	3
608-1132-230	R	12	15	20	3
608-1232-230	G	12	15	20	3
608-1332-230	Y	12	15	10	3
608-2132-220	R	6	15	20	4
608-2232-220	G	6	15	20	4
608-2332-220	Y	6	15	10	4
608-2132-230	R	12	15	20	4
608-2232-230	G	12	15	20	4
608-2332-230	Y	12	15	10	4

Housing Material: Polycarbonate matching color of LED

609 SERIES FOR 9mm MOUNTING HOLE

PART NO.	COLOR	V _F	mA	mcd†	FIG.
609-1112-120	R	6	15	20	5
609-1212-120	G	6	15	15	5
609-1312-120	Y	6	15	4	5
609-1112-130	R	12	15	20	5
609-1212-130	G	12	15	15	5
609-1312-130	Y	12	15	4	5
609-2112-120	R	6	15	20	6
609-2212-120	G	6	15	15	6
609-2312-120	Y	6	15	4	6
609-2112-130	R	12	15	20	6
609-2212-130	G	12	15	15	6
609-2312-130	Y	12	15	4	6

Housing Material: Chrome Plated Brass

610 SERIES FOR 10mm MOUNTING HOLE

PART NO.	COLOR	V _F	mA	mcd†	FIG.
610-3132-120	R	6	10	250	7
610-3232-120	G	6	10	15	7
610-3332-120	Y	6	10	12	7
610-4132-120	R	6	10	250	8
610-4232-120	G	6	10	15	8
610-4332-120	Y	6	10	12	8

Housing Material: Black Polycarbonate

FIG. 1

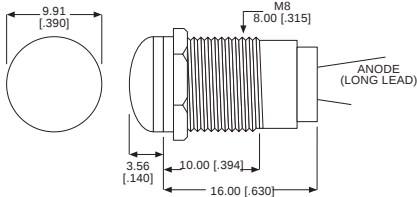


FIG. 2

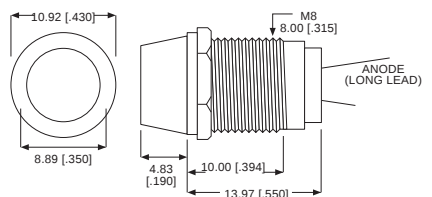


FIG. 3

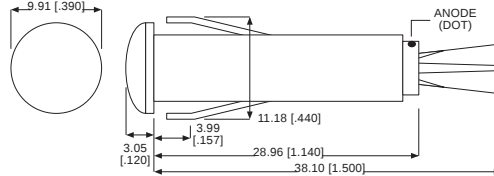


FIG. 4

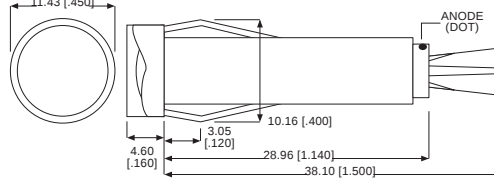


FIG. 5

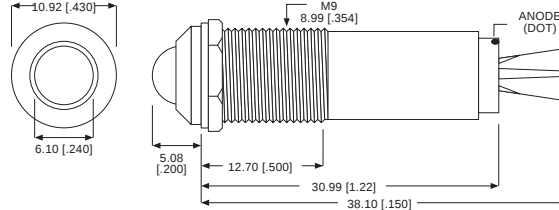


FIG. 6

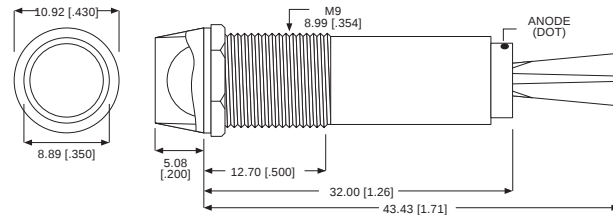


FIG. 7

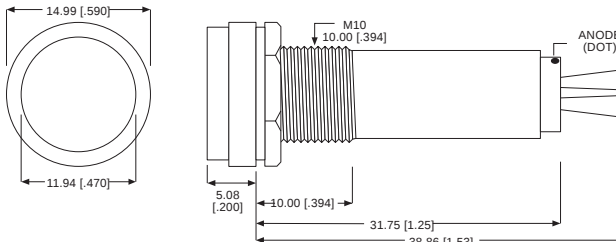
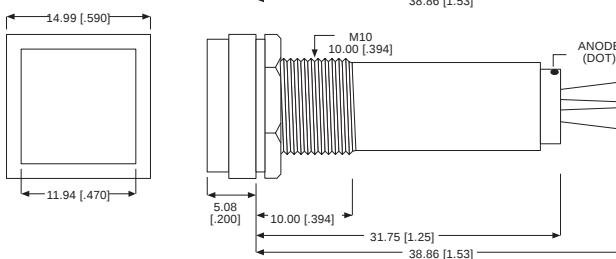


FIG. 8



† mcd intensity of LED

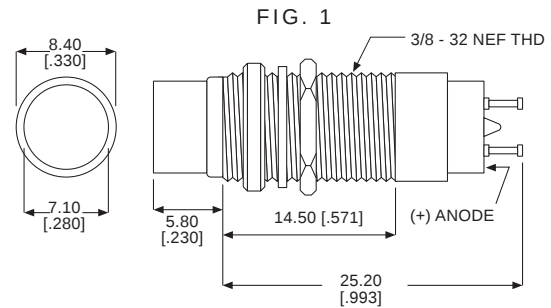
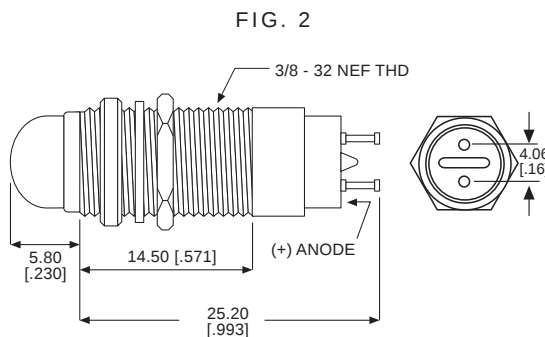
Dimensions in mm [inches]

249 SERIES FOR 3/8" MOUNTING HOLE • CYLINDRICAL CAP

PART NO.	COLOR	V _F	mA	mcd†	FIG.
249-4162-3334-504	Blue	3	10	120	1
249-7867-3331-504	Red	3.6	20	30	1
249-7967-3332-504	Green	3.6	20	40	1
249-8067-3333-504	Yellow	3.6	20	40	1
249-4164-3334-504	Blue	5	10	120	1
249-7868-3331-504	Red	5	20	30	1
249-7968-3332-504	Green	5	20	40	1
249-8068-3333-504	Yellow	5	20	40	1
249-4166-3334-504	Blue	10	10	120	1
249-7870-3331-504	Red	10	20	30	1
249-7970-3332-504	Green	10	20	40	1
249-8070-3333-504	Yellow	10	20	40	1
249-4167-3334-504	Blue	14	10	120	1
249-7871-3331-504	Red	14	20	30	1
249-7971-3332-504	Green	14	20	40	1
249-8071-3333-504	Yellow	14	20	40	1
249-4168-3334-504	Blue	28	10	120	1
249-7872-3331-504	Red	28	20	30	1
249-7972-3332-504	Green	28	20	40	1
249-8072-3333-504	Yellow	28	20	40	1

† mcd intensity of LED

Material & Finish: Housing, Cartridge and Holder - Black Anodized Aluminum. Cap -High Impact Plastic

**249 SERIES FOR 3/8" MOUNTING HOLE • STOVEPIPE CAP**

PART NO.	COLOR	V _F	mA	mcd†	FIG.
249-4162-3734-504	Blue	3	10	400	2
249-7867-3731-504	Red	3.6	20	30	2
249-7967-3732-504	Green	3.6	20	40	2
249-8067-3733-504	Yellow	3.6	20	40	2
249-4164-3734-504	Blue	5	10	400	2
249-7868-3731-504	Red	5	20	30	2
249-7968-3732-504	Green	5	20	40	2
249-8068-3733-504	Yellow	5	20	40	2
249-4166-3734-504	Blue	10	10	400	2
249-7870-3731-504	Red	10	20	30	2
249-7970-3732-504	Green	10	20	40	2
249-8070-3733-504	Yellow	10	20	40	2
249-4167-3734-504	Blue	14	10	400	2
249-7871-3731-504	Red	14	20	30	2
249-7971-3732-504	Green	14	20	40	2
249-8071-3733-504	Yellow	14	20	40	2
249-4168-3734-504	Blue	28	10	400	2
249-7872-3731-504	Red	28	20	30	2
249-7972-3732-504	Green	28	20	40	2
249-8072-3733-504	Yellow	28	20	40	2

† mcd intensity of LED

Material & Finish: Housing, Cartridge and Holder - Black Anodized Aluminum. Cap -High Impact Plastic

Dimensions in mm [inches]

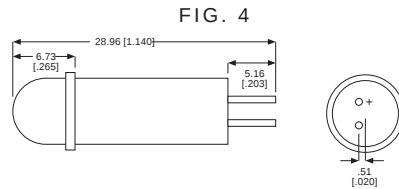
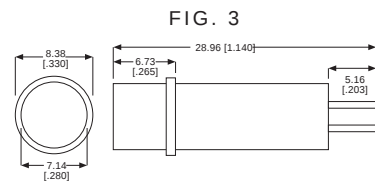
LED PANEL MOUNT INDICATORS

507 SERIES CARTRIDGES FOR USE WITH HOLDERS & CLIPS

PART NO.*	COLOR	V _F	mA	mcd†	FIG.
507-4762-3331-500	Red	2	20	30	3
507-4862-3332-500	Green	2.1	20	40	3
507-4962-3333-500	Yellow	2.1	20	45	3
507-5062-3334-500	Blue	3	10	100	3
507-4757-3331-500	Red	5	15	10	3
507-4857-3332-500	Green	5	20	50	3
507-4957-3333-500	Yellow	5	20	35	3
507-5064-3334-500	Blue	5	10	100	3
507-4759-3331-500	Red	10	15	10	3
507-4859-3332-500	Green	10	20	50	3
507-4959-3333-500	Yellow	10	20	35	3
507-5066-3334-500	Blue	10	10	100	3
507-4760-3331-500	Red	14	20	10	3
507-4860-3332-500	Green	14	20	50	3
507-4960-3333-500	Yellow	14	20	35	3
507-5067-3334-500	Blue	14	10	100	3
507-4761-3331-500	Red	28	15	10	3
507-4861-3332-500	Green	28	20	50	3
507-4961-3333-500	Yellow	28	20	35	3
507-5068-3334-500	Blue	28	10	100	3

† mcd intensity of LED

* Blue mcd rating with cylindrical cap is 100 mcd;
stovepipe cap is 275 mcd



Polarity: To facilitate proper installation of the cartridge, the cartridge is marked on the cartridge housing and the terminal base is keyed.

*PART NUMBER ORDERING CODE

507 - xxxx - xx3x - 500

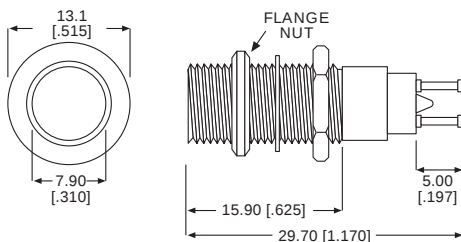
Series

Lens Shape:

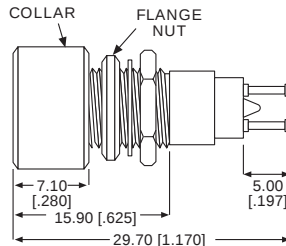
33 - Fig 3 = Cylindrical
37 - Fig 4 = Stovepipe

250 DATALITES® & 508 SERIES HOLDERS FOR 3/8" MOUNTING HOLE

HOLDER WITHOUT COLLAR*



HOLDER WITH COLLAR*



*PART NUMBER ORDERING CODE

250 - xx38 - 14 - 504

508 - xx38 - 504

Series

Terminal Type:

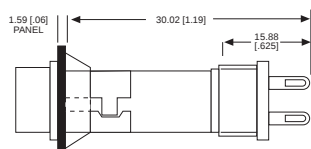
87 = Turret Terminals
74 = Solder Blade (Not Shown)
75 = Solder Cups (Not Shown)

508-8738-504

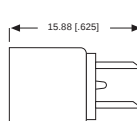
Material & Finish: Housing, Cartridge and Holder - Black Anodized Aluminum. Cap -High Impact Plastic
Terminals of holders marked A and B. A = Positive

515 SERIES CONNECTORS & SPEED CLIPS FOR 9/32" MOUNTING HOLE

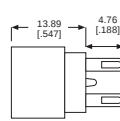
CARTRIDGE WITH SPEED CLIP & CONNECTOR



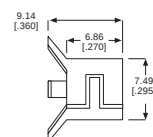
CONNECTOR
515-0012



CONNECTOR
515-0074



SPEED CLIP 515-0051



† mcd intensity of LED

Material & Finish: Housing, Cartridge and Holder - Black Anodized Aluminum. Cap -High Impact Plastic
Dimensions in mm [inches]

557 SERIES FOR 11/16" MOUNTING HOLE • WATERTIGHT

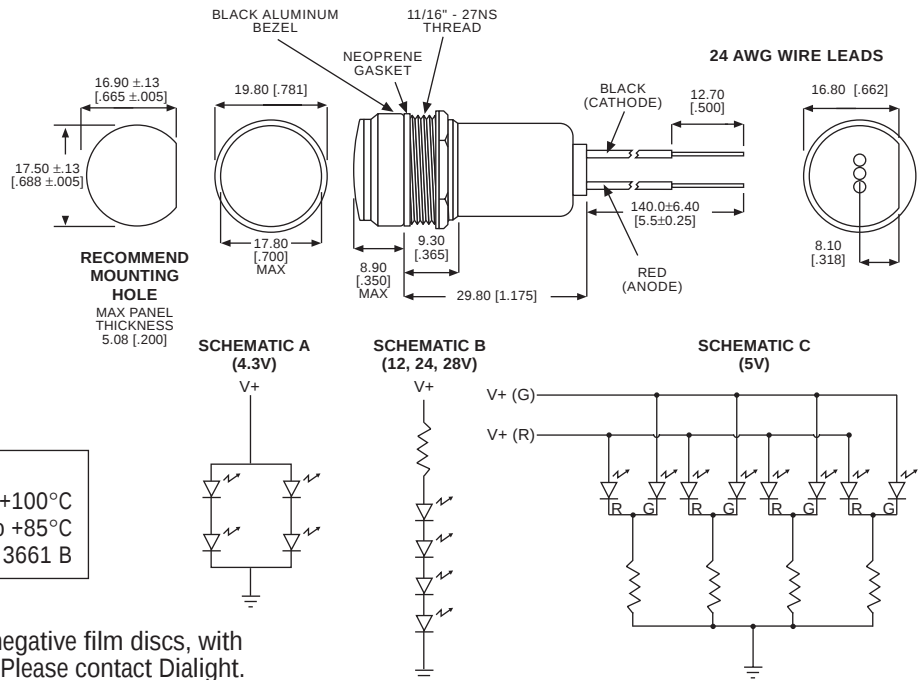
PART NO.	COLOR	V _F	mA	fl*.
557-1101-203	R	4.3**	40	100
557-1201-203	G	4.3**	50	150
557-1301-203	Y	4.3**	50	100
557-1501-203	R	4.3**	40	1000
557-1402-203†	R/G	5	80	200/100
557-1503-203	R	12	20	1000
557-1103-203	R	12	20	100
557-1203-203	G	12	25	150
557-1303-203	Y	12	25	100
557-1505-203	R	24	20	1000
557-1104-203	R	28	20	100
557-1204-203	G	28	25	150
557-1304-203	Y	28	25	100

ENVIRONMENTAL LIMITS:

Storage Temp: -30°C to +100°C
 Operating Temp: -25°C to +85°C
 Seal Specifications: MIL -L 3661 B

Housing Material: White Polycarbonate

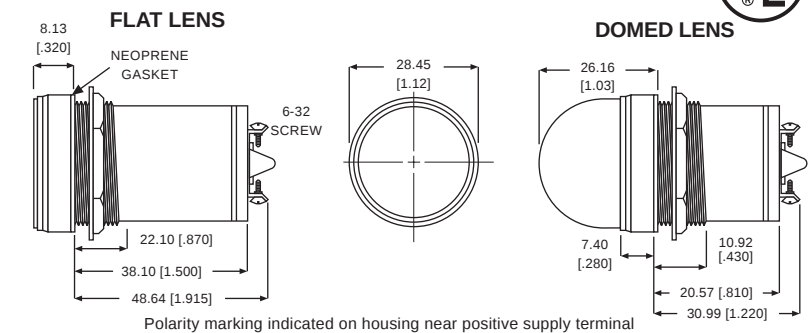
Legend Film Discs Available - Positive or negative film discs, with words, numerals or letters may be ordered. Please contact Dialight.

**556 SERIES FOR 1" MOUNTING HOLE • WATERTIGHT****FLAT LENS**

PART NO.	COLOR	V _F	mA	fl*
556-1103-304	R	12DC	81	1500
556-1203-304	G	12DC	81	760
556-1303-304	Y	12DC	81	1800
556-1104-304	R	24DC	40	1500
556-1204-304	G	24DC	40	760
556-1304-304	Y	24DC	40	1800
556-1105-304	R	125AC	8.5	900
556-1205-304	G	125AC	8.5	300
556-1305-304	Y	125AC	8.5	1000

DOMED LENS

PART NO.	COLOR	V _F	mA	fl*
556-3103-304	R	12DC	81	100
556-3203-304	G	12DC	81	55
556-3303-304	Y	12DC	81	75
556-3104-304	R	24DC	40	100
556-3204-304	G	24DC	40	55
556-3304-304	Y	24DC	40	75
556-3105-304	R	125AC	8.5	50
556-3205-304	G	125AC	8.5	30
556-3305-304	Y	125AC	8.5	40
556-3107-304	R	125DC	10	50
556-3207-304	G	125DC	10	30
556-3307-304	Y	125DC	10	40



Housing Material: Nickel Plated Brass

* Intensity measured in foot Lamberts (1fL = 3.4 cd/m²)

** Requires external resistor

† Bi color has 3 leads: Red for Red Anode, Green for Green Anode, Black for Common Cathode

Dimensions in mm [inches]

ENVIRONMENTAL LIMITS:

Storage Temp: -30°C to +100°C
 Operating Temp: -25°C to +85°C
 Seal Specifications: NEMA 4X IP66

Dialight

LED Panel Mount Indicator 11/16" Mounting Hole, Watertight

Dialight

557 Series

FIGURE 1

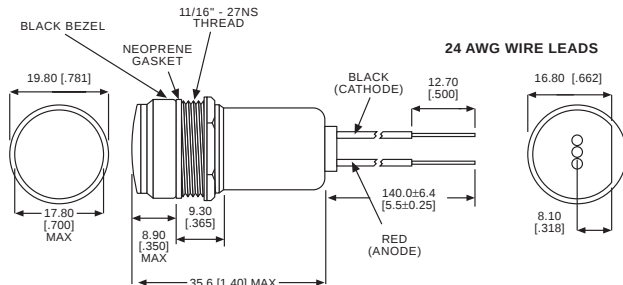
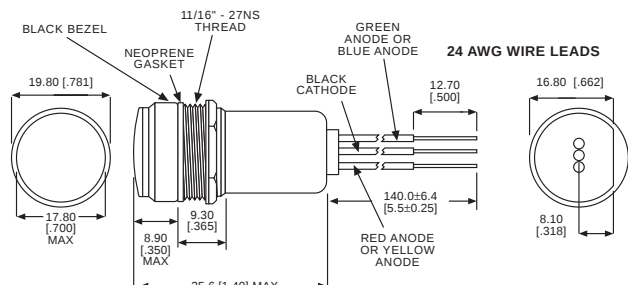
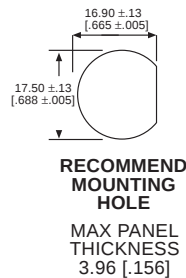


FIGURE 2 - BI-COLOR



PART NUMBER	COLOR	Vf	mA	fl**	FIGURE
557-1101-203	R	*	40	100	1
557-1103-203	R	12	20	100	1
557-1104-203	R	28	20	100	1
557-1201-203	G	*	50	150	1
557-1203-203	G	12	25	150	1
557-1204-203	G	28	25	150	1
557-1301-203	Y	*	50	100	1
557-1303-203	Y	12	25	100	1
557-1304-203	Y	28	25	100	1
557-1402-203	R/G	5	80/80	200/100	2



SUPER BRIGHT

PART NUMBER	COLOR	Vf	mA	fl**	FIGURE
557-1412-203	R/G†	5	70/16	400/1000	2
557-1422-203	R/B†	5	70/16	400/250	2
557-1432-203	Y/G†	5	70/16	400/1000	2
557-1442-203	Y/B†	5	70/16	400/250	2
557-1501-203	R	*	40	1000	1
557-1502-203	R	5	80	1000	1
557-1503-203	R	12	20	1000	1
557-1505-203	R	24	20	1000	1
557-1602-203	G†	5	16	1000	1
557-1603-203	G†	12	16	1000	1
557-1605-203	G†	24	16	1000	1
557-1702-203	Y	5	80	1000	1
557-1703-203	Y	12	20	1000	1
557-1705-203	Y	24	20	1000	1
557-1802-203	B†	5	16	250	1
557-1803-203	B†	12	16	250	1
557-1805-203	B†	24	16	250	1

HOUSING MATERIAL: White Polycarbonate

COLOR CODE:

B - Blue
G - Green
R - Red
Y - Yellow
R/B - Red/Blue Bi-Color
R/G - Red/Green Bi-Color
Y/B - Yellow/Blue Bi-Color
Y/G - Yellow/Green Bi-Color

BENEFITS

- Front panel mounting 11/16" mounting hole
- Multi-LED construction
- Uniform illumination
- Wide viewing angle
- High-reliability - 100,000 hrs. life
- Watertight
- Tamperproof
- Bi-color - 3 leaded

CUSTOM CAPABILITIES

Connectors and terminals can be added to wire leads



† These LED devices are measured to be AEL Class 2 LED Products per IEC 825-1 and CENELEC EN60825-1 Standards when operated at the maximum data sheet dc drive current. For eye safety, do not stare into the light beam of these LED devices at close range.

ENVIRONMENTAL LIMITS:

Storage Temp: -30°C to +100°C
Operating Temp: -25°C to +85°C
Seal Specifications: MIL-L 3661 B

*Requires External Resistor
Vf = 4.3V with external resistor in series to provide specified current
**Intensity measured in foot lamberts (1fL = 3.4cd/m²)

3mm

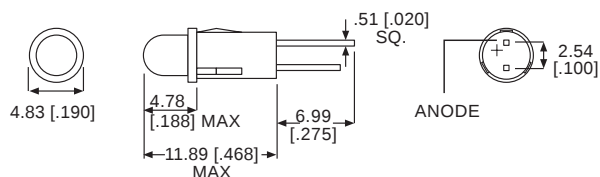
LED Panel Mount Indicator

.156" Mounting Hole, Snap In Mounting

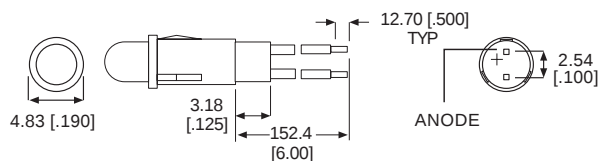
Dialight

558 Series

STRAIGHT TERMINALS – TERMINAL OPTION 1



26 AWG 6" WIRE LEADS – TERMINAL OPTION 3 FOR 6" TERMINAL OPTION 7 FOR 14"



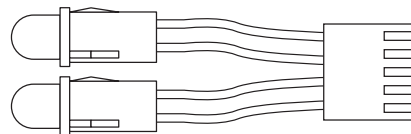
NOTE: WIRE LEAD COLOR RED AND BLACK (CATHODE); RED CATHODE FOR R/G BI-COLOR, YELLOW CATHODE FOR YELLOW GREEN BI-COLOR

BENEFITS

- Available with a variety of LEDs
- Designed for quick positive insertions in panels from .787mm [.031] through 1.57mm [.062] thick. Recommended hole size from 3.94mm [.155] to 4.01mm [.158]. Wire: 26 AWG
- Front panel mounting
- Uniform illumination
- Snap-in mounting requires no additional hardware
- IC compatible
- Housing meets UL94V-0
- High reliability - 100,000 hour life
- Black housing enhances LED contrast
- Straight terminals suitable for wire-wrapping

CUSTOM CAPABILITIES

Connectors and terminals can be added to wire leads



Typical Operating Characteristics (T_A=25°C) HIGH EFFICIENCY, DIFFUSED LED

Part Number	Color	Termination Options	λ _{Peak} Wavelength (nm)	I _v (mcd)	I _f (mA)	V _f Volts (V)		Min Reverse Voltage	Viewing Angle 2θ _{1/2}	Max Forward Current (mA)	Temperature °C	
						Typ	Max				Operating	Storage
558-0101-00x	R	1,3,7	650	10	10	2	3	3*	45	20	-25/+85	-30/+100
558-0201-00x	G	1,3,7	563	16	10	2.1	3	3*	45	25	-25/+85	-30/+100
558-0301-00x	Y	1,3,7	585	6.3	10	2.1	3	3*	45	20	-25/+85	-30/+100
558-0401-00x	O	1,3,7	600	6.5	10	2.2	3	5†	60	25	-55/+100	-55/+100

Absolute Maximum Ratings

ULTRA BRIGHT, WATER CLEAR LED

558-0501-00x	G	1,3,7	565	70	20	2.1	2.8	5†	45	30	-55/+100	-55/+100
558-0601-00x	A	1,3,7	594	200	20	1.9	2.4	5†	45	50	-40/+100	-55/+100
558-0701-00x	R	1,3,7	660	170	20	1.8	2.4	4†	45	40	-55/+100	-55/+100

LOW CURRENT, 2mA, LED

558-1101-00x	R	1,3,7	635	1.8	2	1.8	2.2	5**	50	7	-55/+100	-55/+100
558-1201-00x	Y	1,3,7	583	1.6	2	1.9	2.7	5**	50	7	-20/+100	-55/+100
558-1301-00x	G	1,3,7	565	1.6	2	1.8	2.2	5**	50	7	-55/+100	-55/+100

COLOR CODES:

R Red
G Green
Y Yellow
O Orange
A Amber

* I_R = 10μA
** I_R = 50μA
† I_R = 100μA

PART NUMBER ORDERING CODE

5 5 8 - X X X X - 0 0 X
Series

Termination Option
1 = Straight Terminals
3 = 6" Wire Leads
7 = 14" Wire Leads

3mm

LED Panel Mount Indicator

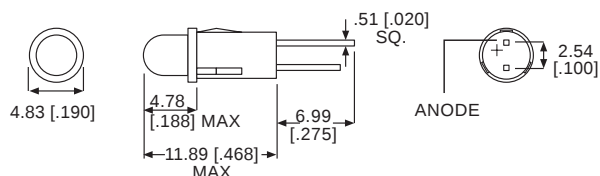
5V Integral Resistor

.156" Mounting Hole, Snap In Mounting

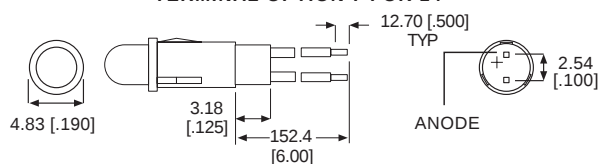
Dialight

558 Series

STRAIGHT TERMINALS - TERMINAL OPTION 1



26 AWG 6" WIRE LEADS - TERMINAL OPTION 3 FOR 6" TERMINAL OPTION 7 FOR 14"



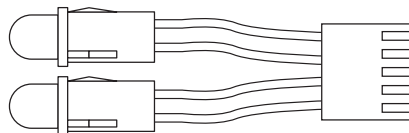
NOTE: WIRE LEAD COLOR RED AND BLACK (CATHODE); RED CATHODE FOR R/G BI-COLOR, YELLOW CATHODE FOR YELLOW GREEN BI-COLOR

BENEFITS

- Available with a variety of LEDs
- Designed for quick positive insertions in panels from .787mm [.031] through 1.57mm [.062] thick. Recommended hole size from 3.94mm [.155] to 4.01mm [.158]. Wire: 26 AWG
- Front panel mounting
- Uniform illumination
- Snap-in mounting requires no additional hardware
- IC compatible
- Housing meets UL94V-0
- High reliability - 100,000 hour life
- Black housing enhances LED contrast
- Straight terminals suitable for wire-wrapping

CUSTOM CAPABILITIES

Connectors and terminals can be added to wire leads



Typical Operating Characteristics (T_A=25°C)

DIFFUSED LED

Part Number	Color	Termination Options	λ _{Peak} Wavelength (nm)	I _v (mcd)	I _f (mA)		V _f Volts (V)	Min Reverse Voltage	Viewing Angle 2θ _{1/2}	Max DC Forward Voltage (V)	Temperature °C	
					Typ	Max					Operating	Storage
558-0102-00x	R	1,3,7	635	4	10	15	5	5 [†]	60	7.5	-40/+85	-55/+100
558-0202-00x	G	1,3,7	565	8	12	15	5	5 [†]	60	7.5	-20/+85	-55/+100
558-0302-00x	Y	1,3,7	583	8	10	15	5	5 [†]	60	7.5	-40/+85	-55/+100

Absolute

Maximum Ratings

COLOR CODES:

R Red
G Green
Y Yellow

[†] IR = 100μA

PART NUMBER ORDERING CODE

5 5 8 - X X X X - 0 0 X

Series

Termination Option
1 = Straight Terminals
3 = 6" Wire Leads
7 = 14" Wire Leads

3mm

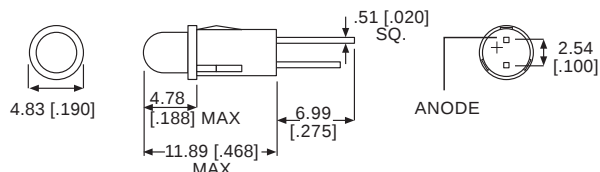
LED Panel Mount Indicator

.156" Mounting Hole, Snap In Mounting

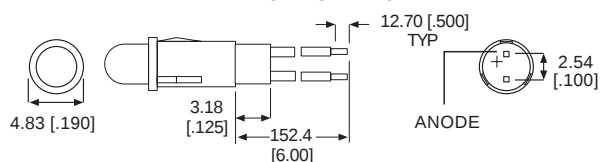
Dialight

558 Series

STRAIGHT TERMINALS - TERMINAL OPTION 1



26 AWG 6" WIRE LEADS - TERMINAL OPTION 3 FOR 6" TERMINAL OPTION 7 FOR 14"



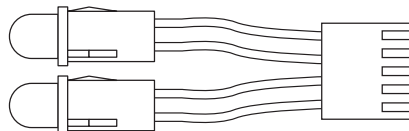
NOTE: WIRE LEAD COLOR RED AND BLACK (CATHODE); RED CATHODE FOR R/G BI-COLOR, YELLOW CATHODE FOR YELLOW GREEN BI-COLOR

BENEFITS

- Available with a variety of LEDs
- Designed for quick positive insertions in panels from .787mm [.031] through 1.57mm [.062] thick. Recommended hole size from 3.94mm [.155] to 4.01mm [.158]. Wire: 26 AWG
- Front panel mounting
- Uniform illumination
- Snap-in mounting requires no additional hardware
- IC compatible
- Housing meets UL94V-0
- High reliability - 100,000 hour life
- Black housing enhances LED contrast
- Straight terminals suitable for wire-wrapping

CUSTOM CAPABILITIES

Connectors and terminals can be added to wire leads



Typical Operating Characteristics (T_A=25°C) SUPER BRIGHT, NON-DIFFUSED LED

Absolute Maximum Ratings

Part Number	Color	Termination Options	λ _{Peak} Wavelength (nm)	I _v (mcd)	I _f (mA)	V _f Volts (V)		Min Reverse Voltage	Viewing Angle 2θ ^{1/2}	Max Forward Current (mA)	Temperature °C	
						Typ	Max				Operating	Storage
558-1501-00x	G	1,3,7	565	70	10	2.1	2.8	5'	45	30	-55/+100	-55/+100
558-1601-00x	Y	1,3,7	585	19	10	2.1	2.8	5'	45	20	-55/+100	-55/+100
558-1701-00x	R	1,3,7	660	135	20	1.8	2.4	4'	45	40	-55/+100	-55/+100

SUPER BRIGHT, DIFFUSED LED

558-1801-00x	R	1,3,7	660	60	20	1.8	2.4	4'	60	40	-55/+100	-55/+100
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COLOR CODES:

R Red
G Green
Y Yellow

† IR = 100μA

PART NUMBER ORDERING CODE

5 5 8 - X X X X - 0 0 X
Series

Termination Option
1 = Straight Terminals
3 = 6" Wire Leads
7 = 14" Wire Leads

3mm

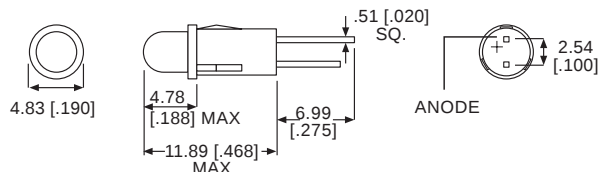
LED Panel Mount Indicator

.156" Mounting Hole, Snap In Mounting

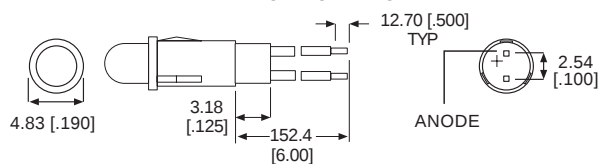
Dialight

558 Series

STRAIGHT TERMINALS - TERMINAL OPTION 1



26 AWG 6" WIRE LEADS - TERMINAL OPTION 3 FOR 6" TERMINAL OPTION 7 FOR 14"



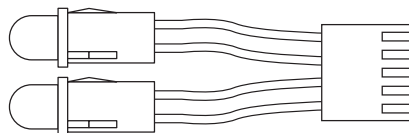
NOTE: WIRE LEAD COLOR RED AND BLACK (CATHODE); RED CATHODE FOR R/G BI-COLOR, YELLOW CATHODE FOR YELLOW GREEN BI-COLOR

BENEFITS

- Available with a variety of LEDs
- Designed for quick positive insertions in panels from .787mm [.031] through 1.57mm [.062] thick. Recommended hole size from 3.94mm [.155] to 4.01mm [.158]. Wire: 26 AWG
- Front panel mounting
- Uniform illumination
- Snap-in mounting requires no additional hardware
- IC compatible
- Housing meets UL94V-0
- High reliability - 100,000 hour life
- Black housing enhances LED contrast
- Straight terminals suitable for wire-wrapping

CUSTOM CAPABILITIES

Connectors and terminals can be added to wire leads



Typical Operating Characteristics (T_A=25°C)

BI-COLOR LED

Part Number	Color	Termination Options	λ _{Peak} Wavelength (nm)	I _v (mcd)	I _f (mA)	V _f Volts (V)		Min Reverse Voltage	Viewing Angle 2θ _{1/2}	Max Forward Current (mA)	Temperature °C	
						Typ	Max				Operating	Storage
558-3001-00x	R/G	1,3,7	635/565	5/5	10	2/2	2.6/2.6	—	50	40/40	-55/+100	-55/+100
558-3101-00x	R/G	1,3,7	660/565	12.6/3.7	20	1.8/2.1	2.4/2.8	—	100	40/30	-55/+100	-55/+100
558-3201-00x	Y/G	1,3,7	585/565	6.3/4.3	20	2.1/2.1	2.8/2.8	—	80	20/30	-55/+100	-55/+100

Absolute

Maximum Ratings

COLOR CODES:

R/G Red/Green Bi-Color
Y/G Yellow/Green Bi-Color

PART NUMBER ORDERING CODE

5 5 8 - X X X X - 0 0 X
Series

Termination Option
1 = Straight Terminals
3 = 6" Wire Leads
7 = 14" Wire Leads

5mm

LED Panel Mount Indicator

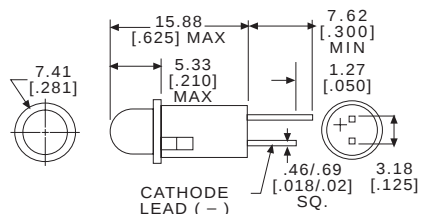
5V or 12V Integral Resistor

.250" Mounting Hole, Snap In Mounting

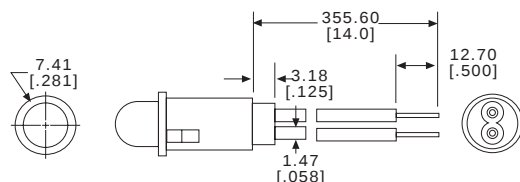
Dialight

559 Series

STRAIGHT TERMINALS - TERMINAL OPTION 1



24 AWG WIRE LEADS - TERMINAL OPTION 3 FOR 6" TERMINAL OPTION 7 FOR 14"



NOTE: WIRE LEAD COLORS RED (ANODE) & BLACK (CATHODE)

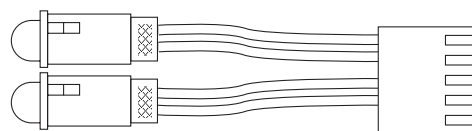
BENEFITS

- Available with a variety of LEDs
- Designed for quick positive insertions in panels from .787mm [.031] through 1.57mm [.062] thick. Recommended hole size from 6.32mm [.249] to 6.40mm [.252].
- Front panel mounting
- Uniform illumination
- Snap-in mounting requires no additional hardware
- IC compatible
- Housing meets UL94V-0
- High reliability - 100,000 hour life
- Black housing enhances LED contrast
- Straight terminals suitable for wire-wrapping

CUSTOM CAPABILITIES

Connectors and terminals can be added to wire leads

Example



Typical Operating Characteristics (T_A=25°C)

DIFFUSED LED

Part Number	Color	Termination Options	Peak Wavelength (nm)	I _v Typical (mcd)	V _f Volts (V)	I _f (mA)		Min Reverse Voltage	Viewing Angle 2Θ ^{1/2}	DC Forward Voltage	Temperature °C	
						Typ	Max				Operating	Storage
559-0102-00x	R	1,3,7	655	2	5	13	20	5	60	7.5	-40/+85	-55/+100
559-0103-00x	R	1,3,7	655	2	12	13	20	5	60	15	-40/+85	-55/+100
559-0202-00x	G	1,3,7	565	8	5	12	15	5	60	7.5	-20/+85	-55/+100
559-0203-00x	G	1,3,7	565	4	12	13	20	5	60	15	-20/+85	-55/+100
559-0302-00x	Y	1,3,7	583	8	5	10	15	5	60	7.5	-40/+85	-55/+100
559-0303-00x	Y	1,3,7	583	8	12	13	20	5	60	15	-40/+85	-55/+100

Absolute

Maximum Ratings

COLOR CODES:

R Red
G Green
Y Yellow

PART NUMBER ORDERING CODE

5 5 9 - X X X X - 0 0 X

Series

Termination Option
1 = Straight Terminals
3 = 6" Wire Leads
7 = 14" Wire Leads

5mm

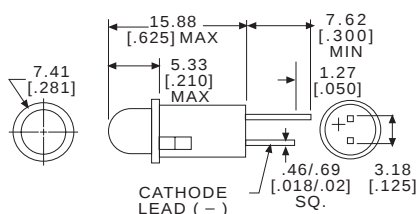
LED Panel Mount Indicator 2mA and High Efficiency LEDs

.250" Mounting Hole, Snap In Mounting

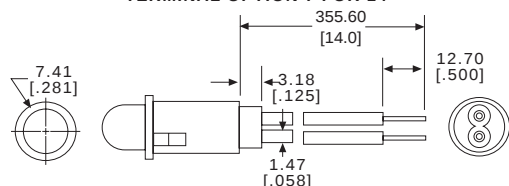
Dialight

559 Series

STRAIGHT TERMINALS - TERMINAL OPTION 1



24 AWG WIRE LEADS - TERMINAL OPTION 3 FOR 6" TERMINAL OPTION 7 FOR 14"



NOTE: WIRE LEAD COLORS RED (ANODE)
& BLACK (CATHODE)

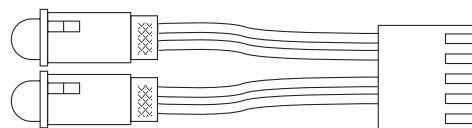
BENEFITS

- Available with a variety of LEDs
- Designed for quick positive insertions in panels from .787mm [.031] through 1.57mm [.062] thick. Recommended hole size from 6.32mm [.249] to 6.40mm [.252].
- Front panel mounting
- Uniform illumination
- Snap-in mounting requires no additional hardware
- IC compatible
- Housing meets UL94V-0
- High reliability - 100,000 hour life
- Black housing enhances LED contrast
- Straight terminals suitable for wire-wrapping

CUSTOM CAPABILITIES

Connectors and terminals can be added to wire leads

Example



Typical Operating Characteristics (T_A=25°C)

LOW CURRENT, 2mA, DIFFUSED LED

Part Number	Color	Termination Options	Peak Wavelength (nm)	I _v (mcd)	I _f (mA)	V _f		Min Reverse Voltage	Viewing Angle 2θ _{1/2}	Forward Current (mA)	Temperature °C	
						Typ	Max				Operating	Storage
559-1101-00x	R	1,3,7	635	2	2	1.8	2.2	5	50	7	-55/+100	-55/+100
559-1201-00x	Y	1,3,7	583	1.8	2	1.9	2.7	5	50	7	-55/+100	-55/+100
559-1301-00x	G	1,3,7	565	1.8	2	1.8	2.2	5	50	7	-55/+100	-55/+100

Absolute

Maximum Ratings

HIGH EFFICIENCY, DIFFUSED LED

559-2101-00x	R	1,3,7	650	7	10	2.2	2.55	3	50	20	-25/+85	-30/+100
559-2201-00x	G	1,3,7	563	10	10	2.1	3	3	65	25	-25/+85	-30/+100
559-2301-00x	Y	1,3,7	585	6.3	10	2.1	3	3	50	20	-25/+85	-30/+100
559-2501-00x	O	1,3,7	600	7	10	1.9	2.4	5	60	30	-55/+100	-55/+100

COLOR CODES:

R Red
G Green
Y Yellow
O Orange

PART NUMBER ORDERING CODE

5 5 9 - X X X X - 0 0 X

Series

Termination Option
1 = Straight Terminals
3 = 6" Wire Leads
7 = 14" Wire Leads

5mm

LED Panel Mount Indicator

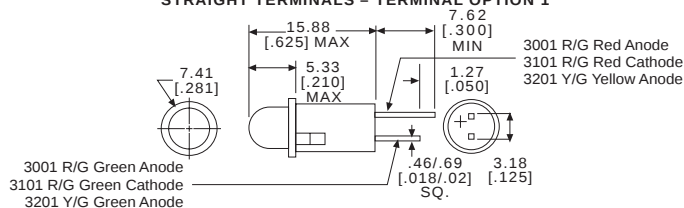
2 & 3 Leaded LEDs, Bi-Color

.250" Mounting Hole, Snap In Mounting

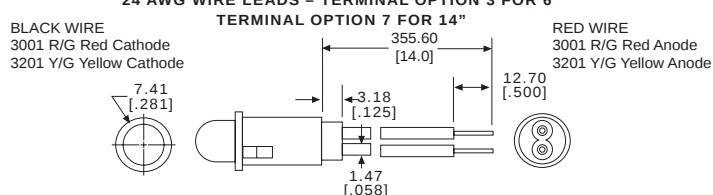
Dialight

559 Series

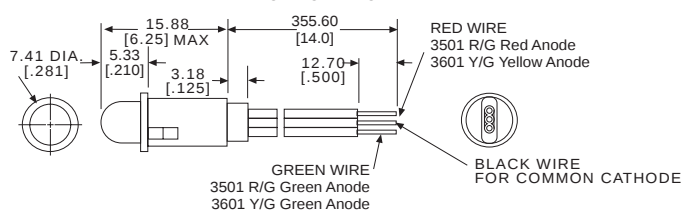
STRAIGHT TERMINALS - TERMINAL OPTION 1



24 AWG WIRE LEADS - TERMINAL OPTION 3 FOR 6"



* BI-COLOR: 559-3501-00X and 559-3601-00X ONLY 3 LEADED WIRE LEADS - TERMINAL OPTION 3 FOR 6" TERMINAL OPTION 7 FOR 14"



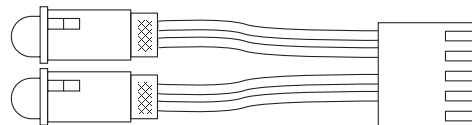
BENEFITS

- Available with a variety of LEDs
- Designed for quick positive insertions in panels from .787mm [.031] through 1.57mm [.062] thick. Recommended hole size from 6.32mm [.249] to 6.40mm [.252].
- Front panel mounting
- Uniform illumination
- Snap-in mounting requires no additional hardware
- IC compatible
- Housing meets UL94V-0
- High reliability - 100,000 hour life
- Black housing enhances LED contrast
- Straight terminals suitable for wire-wrapping

CUSTOM CAPABILITIES

Connectors and terminals can be added to wire leads

Example



Typical Operating Characteristics (T_A=25°C) BI-COLOR, NON-TINTED, DIFFUSED LED

Absolute Maximum Ratings

Part Number	Color	Termination Options	Peak Wavelength (nm)	I _v (mcd)	I _f (mA)	V _f		Min Reverse Voltage	Viewing Angle 2θ _{1/2}	Forward Current (mA)	Temperature °C	
						Typ	Max				Operating	Storage
559-3001-00x	R/G	1,3,7	660/565	60/20	20	1.8/2.1	2.4/2.8		80	40/30	-55/+100	-55/+100
559-3101-00x	R/G	1	660/565	60/20	20	1.8/2.1	2.4/2.8		80	40/30	-55/+100	-55/+100
559-3201-00x	Y/G	1,3,7	585/565	8.7/8.7	20	2.1/2.1	2.8/2.8		50	30/20	-55/+100	-55/+100
559-3501-00x	R/G	3*,7*	635/565	5/8	10	2.1/2.3	2.5/2.7	5	65	30/30	-20/+85	-55/+100
559-3601-00x	Y/G	3*,7*	583/565	5/8	10	1.6/1.6	2.5/2.5	5	65	30/30	-20/+85	-55/+100

COLOR CODES:

R/G Red/Green Bi-Color
Y/G Yellow/Green Bi-Color

PART NUMBER ORDERING CODE

5 5 9 - X X X X - 0 0 X

Series

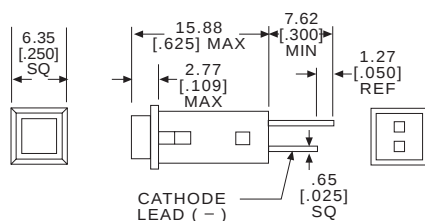
Termination Option
1 = Straight Terminals
3 = 6" Wire Leads
7 = 14" Wire Leads

Square LED Panel Mount Indicator Diffused LEDs Snap In Mounting

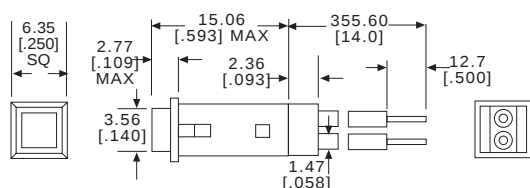
Dialight

559 Series

STRAIGHT TERMINALS – TERMINAL OPTION 1

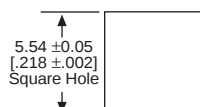


24 AWG WIRE LEADS – TERMINAL OPTION 3 FOR 6" TERMINAL OPTION 7 FOR 14"



NOTE: WIRE LEAD COLORS RED (ANODE) & BLACK (CATHODE)

MOUNTING HOLE*



* Federal Carbide Punch/Die P/N FSS/FHS, 7/32 or Disco Punch & die Set P/N SSS 732

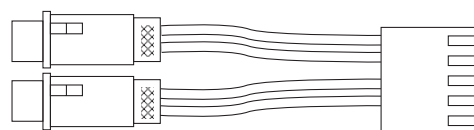
BENEFITS

- Available with a variety of LEDs
- Designed for quick positive insertions in panels from .787mm [.031] through 1.57mm [.062] thick. Recommended hole size from 6.32mm [.249] to 6.40mm [.252].
- Front panel mounting
- Uniform illumination
- Snap-in mounting requires no additional hardware
- IC compatible
- Housing meets UL94V-0
- High reliability - 100,000 hour life
- Black housing enhances LED contrast
- Straight terminals suitable for wire-wrapping

CUSTOM CAPABILITIES

Connectors and terminals can be added to wire leads

Example



Typical Operating Characteristics ($T_A=25^\circ\text{C}$) DIFFUSED LED

Part Number	Color	Termination Options	Peak Wavelength (nm)	Iv (mcd)	If (mA)	Vf		Min Reverse Voltage	Viewing Angle $2\theta_{1/2}$	Forward Current (mA)	Temperature $^\circ\text{C}$	
						Typ	Max				Operating	Storage
559-4101-00x	R	1,3,7	700	0.9	10	1.9	2.4	3	110	30	-25/+80	-30/+85
559-4201-00x	G	1,3,7	565	0.9	20	2.1	2.8	3	110	30	-25/+80	-30/+85
559-4301-00x	Y	1,3,7	583	3.5	20	2.1	2.8	3	110	35	-25/+80	-30/+85

Absolute Maximum Ratings

COLOR CODES:

R Red
G Green
Y Yellow

PART NUMBER ORDERING CODE

5 5 9 - X X X X - 0 0 X

Series

Termination Option
1 = Straight Terminals
3 = 6" Wire Leads
7 = 14" Wire Leads

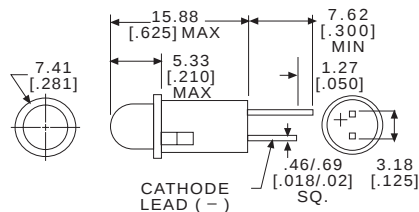
5mm

LED Panel Mount Indicator High and Ultra Bright LEDs .250" Mounting Hole, Snap In Mounting

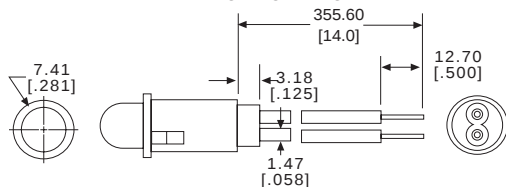
Dialight

559 Series

STRAIGHT TERMINALS - TERMINAL OPTION 1



24 AWG WIRE LEADS - TERMINAL OPTION 3 FOR 6" TERMINAL OPTION 7 FOR 14"



NOTE: WIRE LEAD COLORS RED (ANODE) & BLACK (CATHODE)

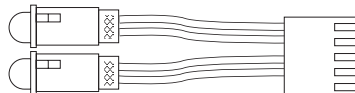
BENEFITS

- Available with a variety of LEDs
- Designed for quick positive insertions in panels from .787mm [.031] through 1.57mm [.062] thick. Recommended hole size from 6.32mm [.249] to 6.40mm [.252].
- Front panel mounting
- Uniform illumination
- Snap-in mounting requires no additional hardware
- IC compatible
- Housing meets UL94V-0
- High reliability - 100,000 hour life
- Black housing enhances LED contrast
- Straight terminals suitable for wire-wrapping

CUSTOM CAPABILITIES

Connectors and terminals can be added to wire leads

Example



Typical Operating Characteristics (T_A=25°C)

HIGH BRIGHT, DIFFUSED LED

Part Number	Color	Termination Options	Peak Wavelength (nm)	I _v (mcd)	I _f (mA)	V _f		Min Reverse Voltage	Viewing Angle 2θ _{1/2}	Forward Current (mA)	Temperature °C	
						Typ	Max				Operating	Storage
559-5101-00x	R	1,3,7	650	34	20	2.1	2.55	3	50	25	-55/+100	-55/+100
559-5201-00x	G	1,3,7	563	34	20	2.2	3	3	50	25	-55/+100	-55/+100
559-5301-00x	Y	1,3,7	583	34	20	2.2	3	3	50	25	-55/+100	-55/+100
559-5401-00x	O	1,3,7	610	34	20	2.2	3	3	50	25	-25/+85	-30/+100

Absolute
Maximum Ratings

HIGH BRIGHT, NON-TINTED, NON-DIFFUSED (WATER CLEAR) LED

559-5501-00x	R	1,3,7	635	125	20	2.2	3	5	24	30	-55/+100	-55/+100
559-5601-00x	G	1,3,7	565	120	20	2.3	3	5	24	30	-20/+100	-55/+100
559-5701-00x	Y	1,3,7	583	140	20	2.2	3	5	24	20	-55/+100	-55/+100
559-5801-00x	O	1,3,7	605	90	20	2.2	2.5	4	20	50	-30/+85	-30/+100

ULTRA BRIGHT, NON-TINTED, NON-DIFFUSED (WATER CLEAR) LED

559-5901-00x	A	1,3,7	592	3100	20	2.02	2.4	5	15	50	-40/+100	-40/+120
559-6001-00x	B	1,3,7	470	650	20	3.6	4	5	30	30	-30/+80	-30/+100
559-6101-00x	R	1,3,7	635	2100	20	1.9	2.4	5	15	50	-40/+100	-40/+120
559-6201-00x	G	1,3,7	525	2200	20	3.5	4	5	30	30	-30/+80	-30/+100
559-6301-00x	O	1,3,7	605	1300	20	1.9	2.4	5	15	45	-40/+100	-55/+100
559-6401-00x	W	1,3,7	*	600	20	3.5	4	5	45	30	-20/+80	-30/+100

COLOR CODES:

A Amber
R Red
G Green
Y Yellow
O Orange
W White
B Blue

*WHITE COLOR COORDINATES:

	MIN	MAX
X	0.23	0.39
Y	0.22	0.42

PART NUMBER ORDERING CODE

5 5 9 - X X X X - 0 0 X

Series

Termination Option
1 = Straight Terminals
3 = 6" Wire Leads
7 = 14" Wire Leads