

Illuminating Innovation™

A collection of various Solico electronic components, including push buttons, indicator lights, and sensors, arranged against a blue background. The components feature different colors (green, red, yellow, blue) and shapes (cylindrical, rectangular). Some have labels like 'Solico', '2012', '14V', and 'MEXICO'.

solico.com

1-800-275-7089



Our Facility

Sorenson Lighted Controls (SOLICO) continues its 50 year history of producing a complete range of indicator lights utilizing neon, incandescent and LED lamps in North America. Offering both standard and customized solutions we provide local support through the manufacturer's representative agencies and sell through a network of franchised distribution partners to provide the timely delivery of our products to the marketplace.



Manufacturing Facility in Tijuana, Mexico

Sorenson Lighted Controls, Inc. sales and engineering personnel will help you determine the best indicator for your application, or help you with a custom design. As our products may be used in a wide variety of applications, the final responsibility in determining the suitability of our products for a specific application rests with you.

It may be possible to build a part number from this catalog that cannot be manufactured. We have included information for each series noting construction limitations. Certain constructions may require components in the lead wires.

We reserve the right to make changes to our products, without prior notice, to improve performance or take advantage of new technologies. The limit of our responsibility under these circumstances is to maintain product fit, function and performance.

Warranty

Sorenson Lighted Controls, Inc. warrants our products for a period of 1 year from date of delivery. The warranty covers defects in materials and workmanship for parts that have been used according to our most recently published specifications and have not been modified by the customer. Any products found defective must be returned to Sorenson Lighted Controls, Inc. for evaluation via a Return Material Authorization (RMA). Parts found defective will be reworked or replaced at no charge to the customer. No other warranties or compensation apply to returned material found to be defective.

It is the customer's responsibility to determine the suitability of our products for the end use in their application.

For the most up to date information on our products visit www.solico.com

PRODUCT SERIES

<i>Round Indicator Lights</i>	<i>Mounting Hole</i>	<i>Page</i>
18, 21 & 24	.312	2
19	.312	3
22 & 23	.312	4
35	.375	5
64 - NEMA 3R	.375	6
29	.500	7
30	.500	8
31	.500	9
67	.500	10
68	.500	11
65 - NEMA 3R	.690	12
66	.690	13
<i>LED Indicator Lights</i>	<i>Mounting Hole</i>	
43	.173	14
45	.250	14
47	.310	15
<i>Rectangular Indicator Lights</i>	<i>Panel Cutout</i>	
13	1.200 x .640	16
15	1.125 x .550	17
16 & 17	1.450 x .830	18
25	1.125 x .550	19
26 & 27	1.125 x 1.000	19
33 & 34	1.280 x .375	20
<i>Rear Mount Indicators</i>	<i>Mounting</i>	
10 & 60	Varies with Lens	21
<i>Additional Items</i>		
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All SoLiCo products are RoHS

Agency Approvals:

The majority of our indicators carry Agency approvals. Please contact us for the latest Agency information for the specific series and voltages you require.



REACH

SoLiCo Facilities
Hartford, Connecticut
Tijuana, Mexico

TUV Information
IEC 60598-2-1:1979+A1:1987
IEC 60598-1:2008
EN:60598-2-1:1989
EN:60598-1:2008+A11:2009

UL Information
File # E36730(M)

Catalog 8.20
August 2020

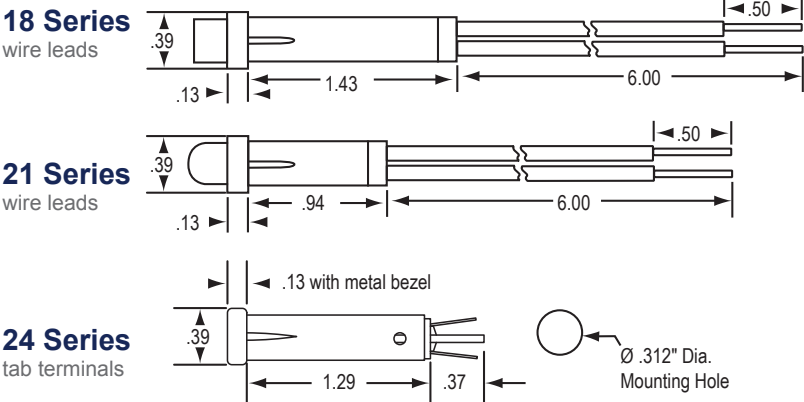
Series 18, 21, 24

Features

- Press fits into .312" panel hole
- LED, incandescent, and neon illumination
- Three lens styles available

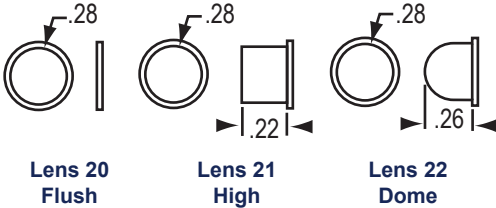
Specifications

- Body Material: Nylon
- Lens Material: Polycarbonate
- Bezel Material: Brass (Plated)
- Wire Gauge: 18 ga.
- Wire Strip: 1/2"
- Panel Thickness: .030" min
- Certifications: Contact Us



Series	Lamp		Termination		Base		Bezel		Lens				
XX	XX		X		X		X		XXX				
	Voltage	Type	Code	Style	Code	Color	Code	Finish	Code	Style	Code	Color	Code
18	2	LED	10	6" Wire	1	White	1	None	0	Flush Translucent	201	Red	1
21	6	LED	11	.187 Tabs	3 ⁴	Black	2	Bright	2	Flush Diamond	203	Amber	2
24	14	LED	12	Special	X			Black	3	High Translucent	211 ²	Clear	3 ³
	28	LED	13							High Rings	216 ²	Green	4
	125	LED	15 ¹							Dome Translucent	221 ²	Blue	5 ⁵
	250	LED	16 ¹							Dome Rings	226 ²	White	6
	6	INCAND	32										
	14	INCAND	35										
	28	INCAND	39										
	125	NEON	50										
	250	NEON	52										
	2	ViviBright LED	60										
	6	ViviBright LED	61										
	14	ViviBright LED	62										
	28	ViviBright LED	63										
	125	ViviBright LED	65 ¹										
	250	ViviBright LED	66 ¹										
	Custom		XX										

White is Translucent
Clear is Transparent



Additional Options Available:
Contact sales@solico.com

1. Series 18 Only
2. Bezel Required
3. Clear lens has white LED
4. Series 24 only - Tabs only
5. Blue neon not available on Series 21

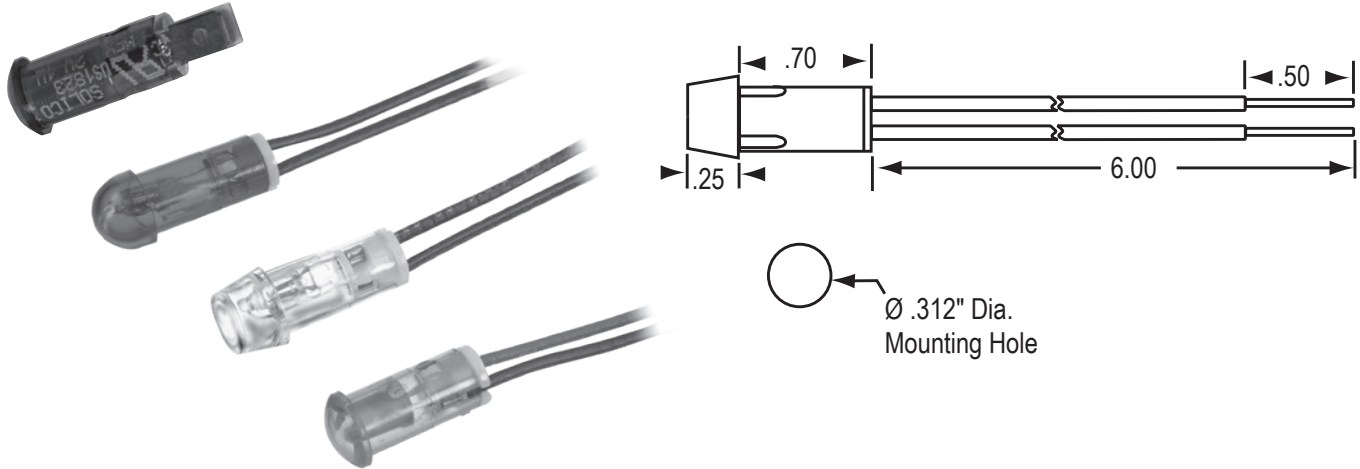
Series 19

Features

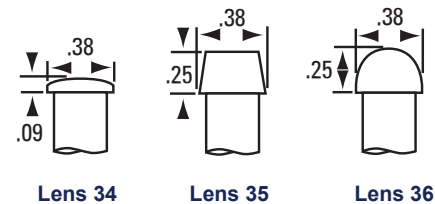
- Press fits into .312" panel hole
- Body and lens are one piece construction
- LED, incandescent, and neon illumination

Specifications

- Body & Lens Material: Polycarbonate
- Wire Gauge: 22 ga.
- Wire Strip: 1/2"
- Panel Thickness: .030" min
- Certifications: Contact Us



Series	Lamp			Termination		Base		Bezel		Lens			
XX	XX			-	X	-	X	X		XXX		X	0
	Voltage	Type	Code	Style	Code	Color	Code	Finish	Code	Style	Code	Color	Code
19	2	LED	10	6" Wire	1	N/A	0	None	0	Semi-Dome	342	Red	1
	6	LED	11	Special	X					Cylinder	352	Amber	2
	14	LED	12 ³	.187 Tabs	3 ²					Dome	362	Clear	3 ¹
	28	LED	13 ³									Green	4
												Blue	5
	6	INCAND	32										
	14	INCAND	35										
	28	INCAND	39										
	125	NEON	50										
	250	NEON	52										
	2	ViviBright LED	60										
	6	ViviBright LED	61										
	14	ViviBright LED	62 ³										
	28	ViviBright LED	63 ³										
	Custom	XX											



Additional Options Available:

Contact sales@solico.com

1. Clear lens has white LED
2. Not all voltages available with tabs
3. Wire leads only

Series 22, 23

Features

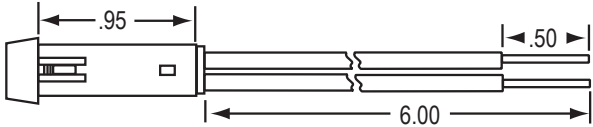
- Snap fits into .312" panel hole
- Body and lens are one piece construction
- LED, incandescent, and neon illumination

Specifications

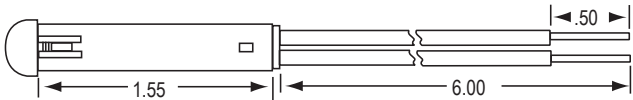
- Body & Lens Material: Polycarbonate
- Wire Gauge: 18 ga.
- Wire Strip: 1/2"
- Panel Thickness: .025" to .060" max
- Certifications: Contact Us



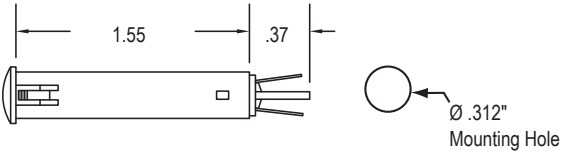
Series 23



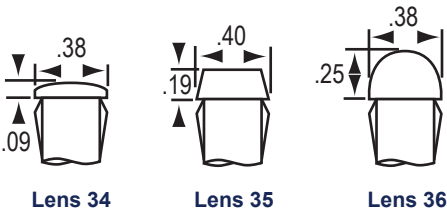
Series 22



Series 22
(with tabs)



Series	Lamp			Termination		Base		Bezel		Lens				
XX	XX			-	X	-	X	X		XXX		X	0	
	Voltage	Type	Code	Style	Code	Color	Code	Finish	Code	Style	Code	Color	Code	
22	2	LED	10	6" Wire	1	N/A	0	None	0	Semi-Dome Diamonds	343	Red	1	
23	6	LED	11	.187 Tabs	3 ²					Cylinder Rings	356	Amber	2	
	14	LED	12	Special	X					Dome Plain	362	Clear	3 ¹	
	28	LED	13									Green	4	
	125	LED	15 ³									Blue	5	
	6	INCAND	32											
	14	INCAND	35											
	28	INCAND	39											
	125	NEON	50											
	250	NEON	52											
	2	ViviBright LED	60											
	6	ViviBright LED	61											
	14	ViviBright LED	62											
	28	ViviBright LED	63											
	125	ViviBright LED	65 ³											
	250	ViviBright LED	66 ³											
	Custom	XX												



Additional Options Available:
Contact sales@solico.com

1. Clear lens has white LED
2. Available with LED (2V) and incandescent lamps only
3. Wire leads only

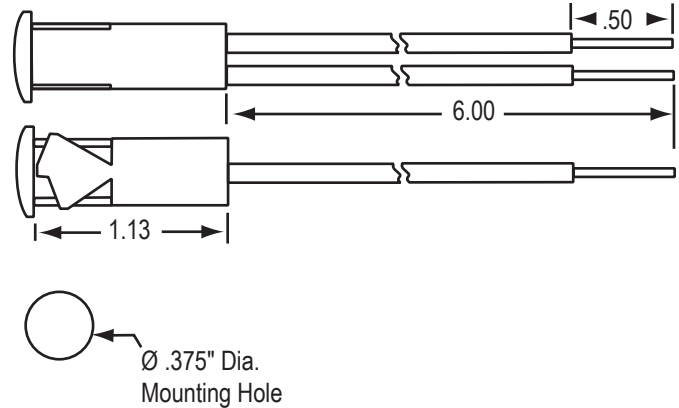
Series 35

Features

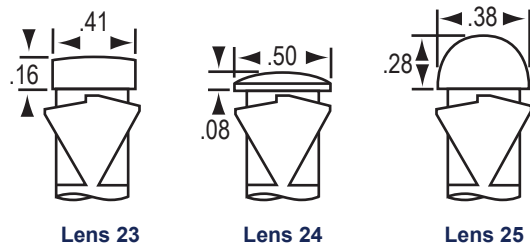
- Snap fits into .375" panel hole
- Body and lens are one piece design
- LED, incandescent, and neon illumination
- Three lens styles available
- Splashproof

Specifications

- Body & Lens Material: Polycarbonate
- Wire Gauge: 20 ga.
- Wire Strip: 1/2"
- Panel Thickness: .03" to .093" max
- Certifications: Contact Us



Series	Lamp		Termination		Base		Bezel		Lens				
XX	XX		X		X		X		XXX		X	0	
	<u>Voltage</u>	<u>Type</u>	<u>Code</u>	<u>Style</u>	<u>Code</u>	<u>Color</u>	<u>Code</u>	<u>Finish</u>	<u>Code</u>	<u>Style</u>	<u>Code</u>	<u>Color</u>	<u>Code</u>
35	2	LED	10	6" Wire	1	N/A	0	None	0	Cylinder Rings	236	Red	1
	6	LED	11	Special	X					Semi-Dome Rings	246	Amber	2
	14	LED	12							Dome Plain	252	Clear	3 ¹
	28	LED	13									Green	4
	125	LED	15									Blue	5
	250	LED	16										
	6	INCAND	32										
	14	INCAND	35										
	28	INCAND	39										
	125	NEON	50										
250	NEON	52											
2	ViviBright LED	60											
6	ViviBright LED	61											
14	ViviBright LED	62											
28	ViviBright LED	63											
125	ViviBright LED	65											
250	ViviBright LED	66											
	Custom	XX											



Additional Options Available:

Contact sales@solico.com

1. Clear lens has white LED

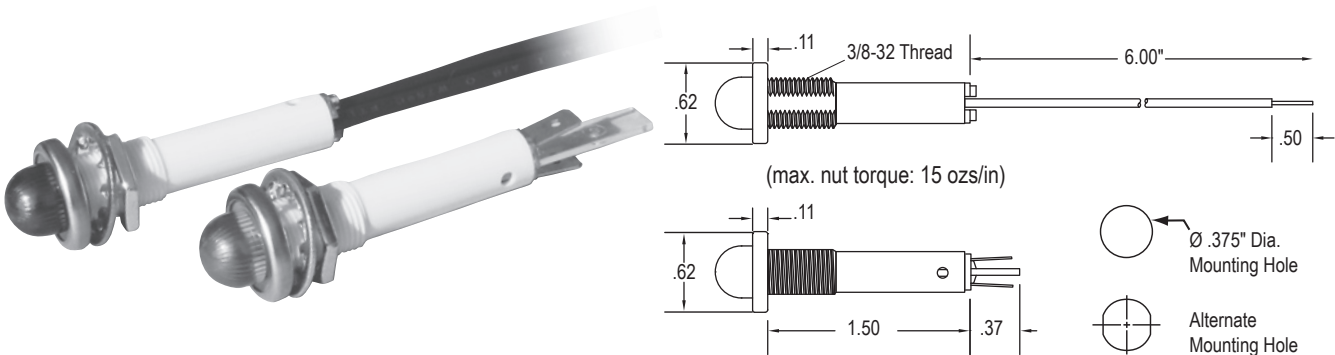
Series 64

Features

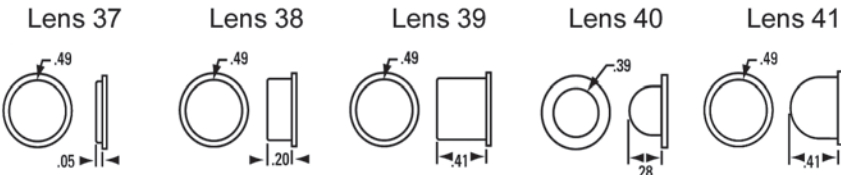
- Fits into .375 panel hole
- LED, incandescent, and neon illumination
- Sealed, NEMA 3-R
- Lock Washer, Hexnut (Bulk)

Specifications

- Body Material: Nylon
- Lens Material: Polycarbonate
- Wire Gauge: 18 ga.
- Wire Strip: 1/2"
- Panel Thickness: .030" to .250"
- Certifications: Contact Us



Series	Lamp		Termination		Base		Bezel		Lens				
XX	XX		X		X		X		XXX		X	00	
64	Voltage	Type	Code	Style	Code	Color	Code	Finish	Code	Style	Code	Color	Code
	2	LED	10	6" Wire	1	White	1	Stainless	1	Cylinder Translucent	371	Red	1
	6	LED	11	.187 Tabs	3			Bright	2	Cylinder Diamond	373	Amber	2
	14	LED	12					Black	3	Cylinder Translucent	381	Clear	3 ¹
	28	LED	13							Cylinder Diamond	383	Green	4
	125	LED	15							Cylinder Rings	386	Blue	5
	250	LED	16 ²							Cylinder Diamond	393	White	6
	6	INCAND	32							Small Dome Lines	405	Yellow	8
	14	INCAND	35							Large Dome Lines	415		
	28	INCAND	39							Flush Lens w/Tapered Bezel	626 ³		
	125	NEON	50									Color	Marked
	250	NEON	52									Red	A
												Amber	B
												Clear	C ¹
												Green	D
												Blue	E
												White	F
												Yellow	H
	2	ViviBright LED	60										
	6	ViviBright LED	61										
	14	ViviBright LED	62										
	28	ViviBright LED	63										
	125	ViviBright LED	65										
	250	ViviBright LED	66 ²										
	Custom		XX										



Additional Options Available:
Contact sales@solico.com

1. Clear lens has white LED
2. Wire Leads only
3. Bright Bezel only, use code 2

Series 29

Features

- Fits into .500" panel hole
- LED, incandescent, and neon illumination
- Many lens styles available

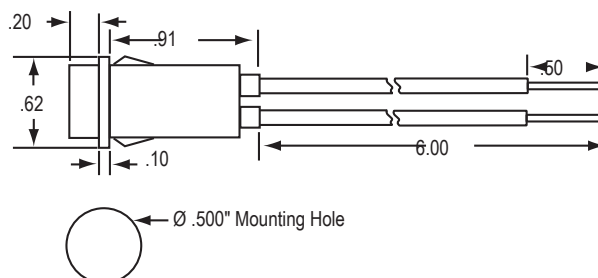
Specifications

- Body Material: Nylon
- Lens Material: Polycarbonate
- Bezel Material: Stainless Steel or Plated Brass
- Wire Gauge: 18 ga.
- Wire Strip: 1/2"
- Panel Thickness: .030" to .093"
- Certifications: Contact Us



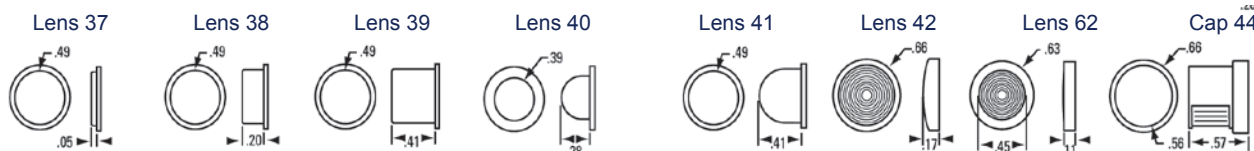
29 Series

wire leads
snap fit



Series	Lamp	Termination	Base	Bezel	Lens
XX	XX	X	X	X	XXX
29	2	10	1	0	371
	6	11	X	2	373
	14	12		Bright	381
	28	13		Black	383
	125	15			386
	250	16			393
	6	32			405
	14	35			411
	28	39			415
	125	50			426 ²
	250	52			444 ²
	2	60			445
	6	61			446
	14	62			447
	28	63			448
	125	65			449
	250	66			450
	Custom	XX			

White is Translucent
Clear is Transparent



Additional Options Available:
Contact sales@solico.com

1. Clear lens has white LED
2. Bezel not available
3. Bright Bezel only, use code 2

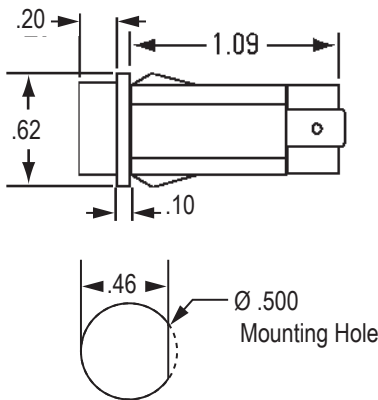
Series 30

Features

- Snap fits into .500" panel hole
- LED, incandescent, and neon illumination
- Many lens styles available

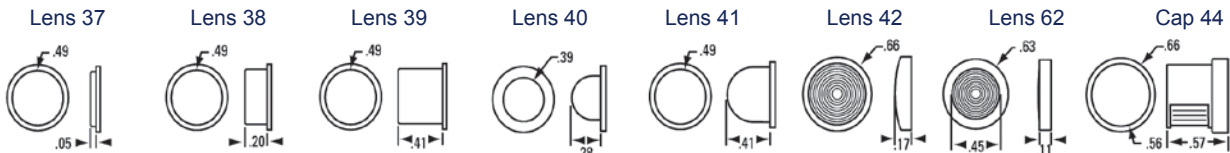
Specifications

- Body Material: Nylon
- Lens Material: Polycarbonate
- Bezel Material: Stainless steel or plated brass
- Panel Thickness: .030" to .093"
- Certifications: Contact Us



Series	Lamp		Termination		Base		Bezel		Lens				
XX	XX		X		X		X		XXX		X	00	
	Voltage	Type	Code	Style	Code	Color	Code	Finish	Code	Style	Code	Color	Plain
30	2	LED	10	.187 Tabs	3	White	1	None	0	Cylinder Translucent	371	Red	1
	6	LED	11	.250 Tabs	4	Black	2	Stainless	1	Cylinder Diamond	373	Amber	2
	14	LED	12					Bright	2	Cylinder Translucent	381	Clear	3 1
	28	LED	13					Black	3	Cylinder Diamond	383	Green	4
										Cylinder Rings	386	Blue	5
	6	INCAND	32							Cylinder Diamond	393	White	6
	14	INCAND	35							Small Dome Lines	405		
	28	INCAND	39							Large Dome Translucent	411	Color	Marked
										Large Dome Lines	415	Red	A
	125	NEON	50							Semi Dome Rings	426 2	Amber	B
	250	NEON	52							Flush Lens w/Tapered Bezel	626 3	Clear	C 1
										Cap, Black (F1C) Transparent	444 2	Green	D
	2	ViviBright LED	60									Blue	E
	6	ViviBright LED	61									White	F
	14	ViviBright LED	62										
28	ViviBright LED	63											
	Custom	XX											

White is Translucent
Clear is Transparent



Additional Options Available:
Contact sales@solico.com

1. Clear lens has white LED
2. Bezel not available
3. Bright Bezel only, use code 2

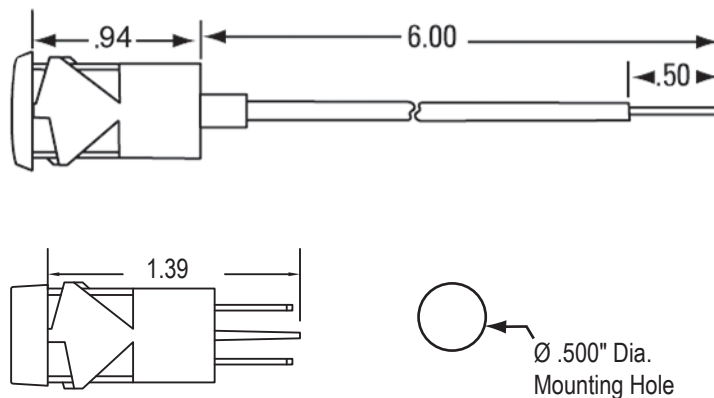
Series 31

Features

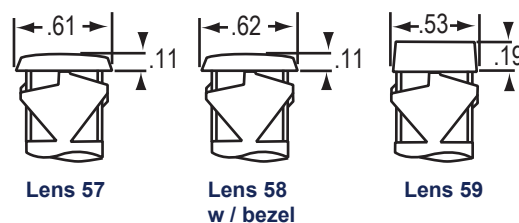
- Snap fits into .500" panel hole
- Body and lens are one piece design
- LED, incandescent, and neon illumination
- Splashproof

Specifications

- Body & Lens Material: Polycarbonate
- Wire Gauge: 20 ga.
- Wire Strip: 1/2"
- Panel Thickness: .040" to .093
- Certifications: Contact Us



Series	Lamp	Termination	Base	Bezel	Lens
XX	XX	- X	- X	X	- XXX X 0
31	Voltage	Type	Code	Style	Code
	2	LED	10	6" Wire	1
	6	LED	11	.187 Tabs	3
	14	LED	12	.250 Tabs	4
	28	LED	13	Special	X
	125	LED	15 ⁴		
	250	LED	16 ⁴		
	6	INCAND	32		
	14	INCAND	35		
	28	INCAND	39		
	125	NEON	50		
	250	NEON	52		
	2	ViviBright LED	60		
	6	ViviBright LED	61		
	14	ViviBright LED	62		
	28	ViviBright LED	63		
	125	ViviBright LED	65 ⁴		
	250	ViviBright LED	66 ⁴		
	Custom	XX			
				Finish	Code
				None	0 ²
				Bright	2 ³
				Style	Code
				Semi-Dome Rings	576
				Semi-Dome Rings w/ Bezel	586
				Cylinder Rings	596
				Color	Code
				Red	1
				Amber	2
				Clear	3 ¹
				Green	4
				Blue	5



Additional Options Available:

Contact sales@solico.com

1. Clear lens has white LED

2. Lens 57 and 59 only

3. Bright - Lens 58 only

4. Wire leads only

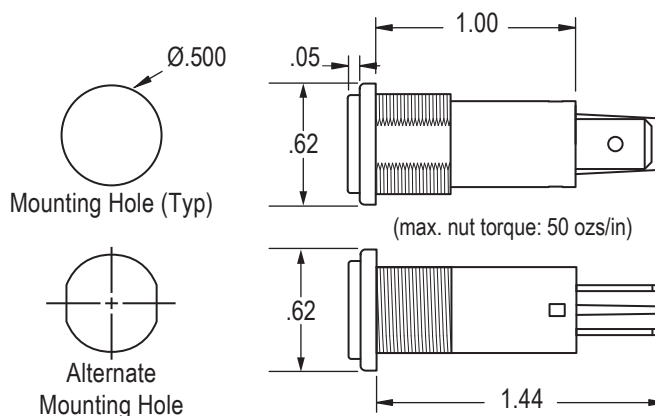
Series 67

Features

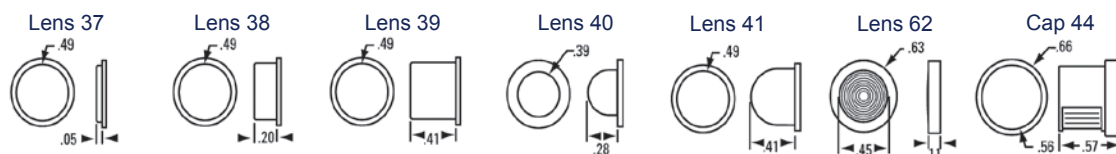
- Fits into .500" panel hole
- LED, incandescent, and neon illumination
- lock washer, hex nut

Specifications

- | | |
|-------------------------|---------------------------------|
| • Body & Lens Material: | Polycarbonate |
| • Bezel Material: | Stainless steel or plated brass |
| • Panel Thickness: | .031" to .125" |
| • Certifications: | Contact Us |
| • .18 AWG Wire | |



Series	Lamp			Termination		Base		Bezel		Lens					
XX	XX		-	X	-	X		X	-	XXX			X	00	
	Voltage	Type	Code	Style	Code	Color	Code	Finish	Code	Style		Code	Color	Code	
67	2	LED	10	6" Wire	1	N/A	0	None	0	Cylinder Translucent		371	Red	1	
	6	LED	11	.187 Tabs	3			Stainless Bright Black	1	Cylinder Diamond		373	Amber	2	
	14	LED	12	.250 Tabs	4				2	Cylinder Translucent		381	Clear	3 1	
	28	LED	13						3	Cylinder Diamond		383	Green	4	
	125	LED	15 4							Cylinder Rings		386	Blue	5	
	250	LED	16 4							Cylinder Diamond		393	White	6	
										Small Dome Lines		405			
	6	INCAND	32							Large Dome Translucent		411	Color	Marked	
	14	INCAND	35							Large Dome Lines		415	Red	A	
	28	INCAND	39							Semi Dome Rings		426 2	Amber	B	
	125	NEON	50							Flush Lens w/Tapered Bezel		626 3	Clear	C 1	
	250	NEON	52							Cap, Black (F1C) Transparent		444 2	Green	D	
													Blue	E	
													White	F	
	2	ViviBright LED	60												
	6	ViviBright LED	61												
	14	ViviBright LED	62												
	28	ViviBright LED	63												
	125	ViviBright LED	65 4												
	250	ViviBright LED	66 4												
	Custom	XX													
White is Translucent Clear is Transparent															



Additional Options Available:
Contact sales@solico.com

1. Clear lens has white LED
2. Bezel not available
3. Bright Bezel only, use code 2
4. Wire Leads Only

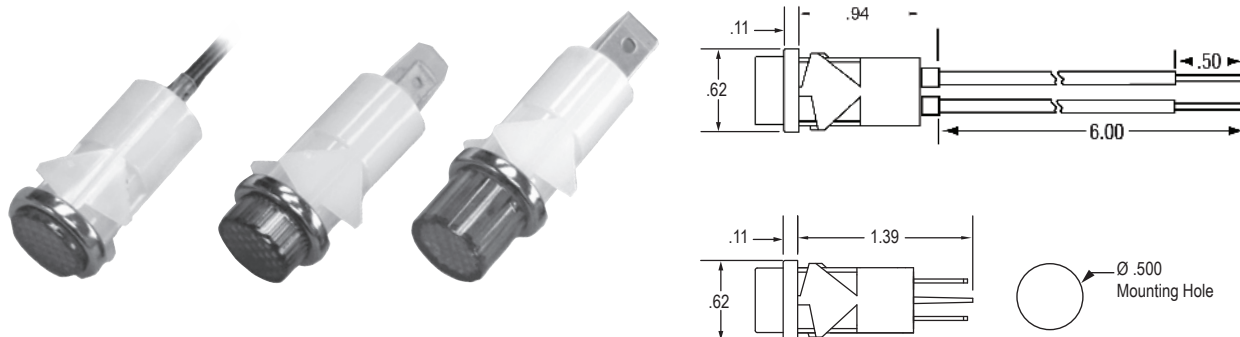
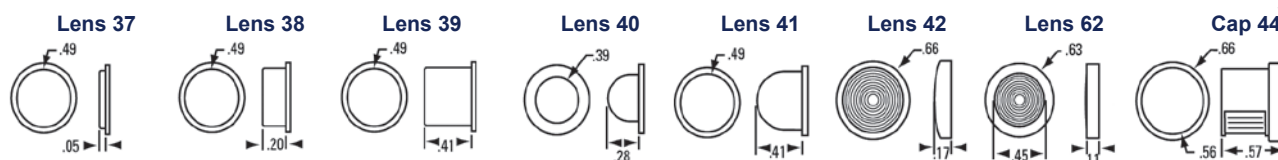
Series 68

Features

- Snap fits into .500" panel hole
- LED, incandescent, and neon illumination
- Many lens styles available
- Splashproof
- 480 / 600 volt

Specifications

- Body Material: Polycarbonate
- Lens Material: Polycarbonate
- Bezel Material: Stainless Steel or Plated Brass
- Wire Gauge: 20 ga.
- Wire Strip: 1/2"
- Panel Thickness: .030" to .093"
- Certifications: Contact Us

[illegible]

Additional Options Available:

Contact sales@solico.com

1. Clear lens has white LED
2. Bezel not available
3. Wire Leads only
4. Bright Bezel only, use code 2

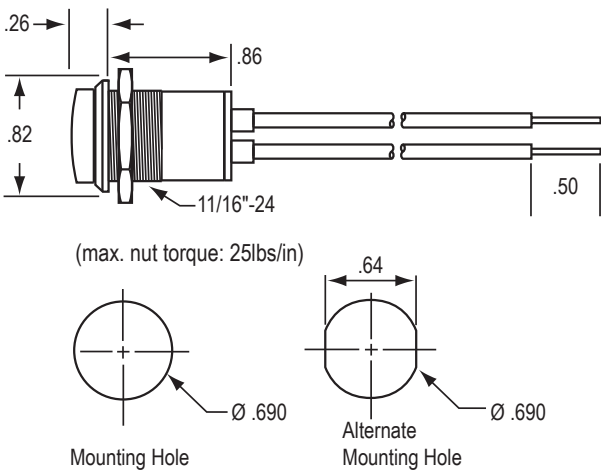
Series 65

Features

- Fits into .690" panel hole
- Threaded mount
- LED cluster lighting
- Daylight Visible
- Supplied w/ hex nut, lock washer and gasket
- Sealed, NEMA 3R

Specifications

- Body Material: Nylon
- Lens Material: Polycarbonate
- Wire Gauge: 20 ga.
- Wire Strip: 1/2"
- Panel Thickness: .050" to .187
- Certifications: Contact Us

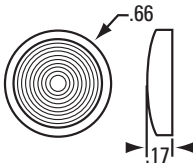


Series	Lamp			Termination		Base		Bezel		Lens			
XX	XX			X		X		X		XXX			
	Voltage	Type	Code	Style	Code	Color	Code	Finish	Code	Style	Code	Color	Code
65	14	LED	12	6" Wire	1	White	1	None	0	Semi-Dome Translucent	421	Red	1
	28	LED	13	.187 Tabs	3	Black	2			Semi-Dome Rings	426	Amber	2
	125	LED	15	.250 Tabs	4					Semi-Dome Rings w/ Diffuser	42A	Clear	3 ²
												Green	4
												Blue	5
												White	6
												Yellow	8

White is Translucent
Clear is Transparent

LED Light Output (mcd) ¹

Red	10k typ.
Green	15k typ.
Blue	7k typ.
White	12k typ.
Yellow	8k typ.



Lens 42

Additional Options Available:
Contact sales@solico.com

1. Daylight Visible LED's may require ESD handling
2. Clear lens has white LED

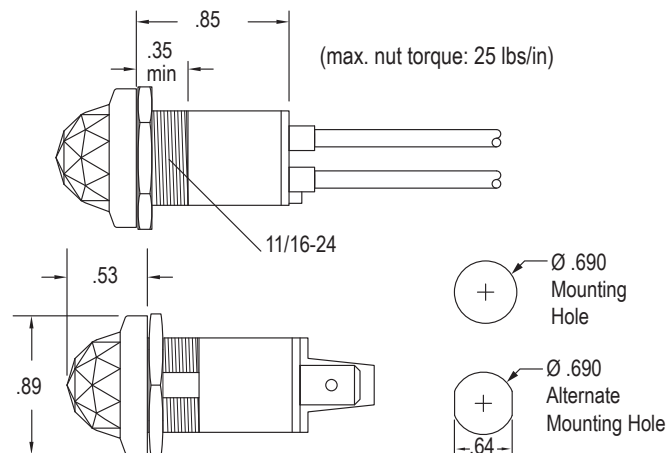
Series 66

Features

- Fits into .690" panel hole
- Threaded mount
- LED cluster lighting
- Daylight Visible
- Supplied w/ hex nut, lock washer and gasket
- Splashproof

Specifications

- Body Material: Nylon
- Lens Material: Polycarbonate
- Wire Gauge: 20 ga.
- Wire Strip: 1/2"
- Panel Thickness: .050" to .187"
- Certifications: Contact Us

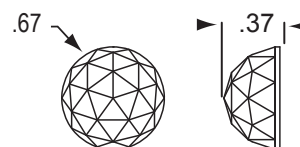


Series	Lamp			Termination		Base		Bezel		Lens				
XX	XX			-	X	-	X	X	-	XXX	X	0		
66	Voltage	Type	Code	Style	Code	Color	Code	Finish	Code	Style	Code	Color	Code	
	14	LED	12	6" Wire	1	White	1	Matte Black	5	Faceted Dome Translucent ⁴	661	Red	1	
	28	LED	13	.187 Tabs	3			Matte White	6	Faceted Dome Transparent	662	Amber	2	
	125	LED	15	.250 Tabs	4					Faceted Dome Transparent ¹ w/ Diffuser	66A	Clear	3 ¹	
												Green	4	
												Blue	5	
												White	6 ³	

White is Translucent

LED Light Output (mcd) ²

Red	10k typ.
Green	15k typ.
Blue	7k typ.
White	12k typ.
Yellow	8k typ.



Lens 66

Additional Options Available:

Contact sales@solico.com

1. Clear lens has white LED
2. Daylight visible LED's may require ESD handling
3. Translucent only
4. White only

Series 43, 45

Features

- Series 43 - 3mm size LED
- Series 45 - 5mm LED
- Press Fit

Specifications

- Body Material: Nylon
- Wire Gauge: Series 43 - 26 ga., 3/8" Strip
Series 45 - 24 ga., 1/2" strip
- Certifications: Contact Us

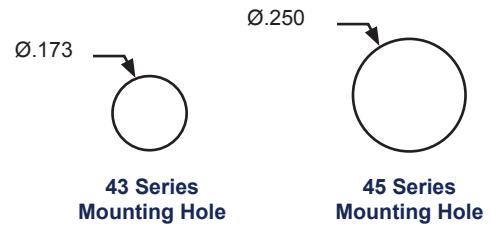
Series 43



Series 45



Series		Lamp		Termination		Base		Bezel		Lens			
XX		XX		- X		- X		X		- XXX		X 0	
	Voltage	Type	Code	Style	Code	Color	Code	Finish	Code	Style	Code	Color	Code
43	2	LED	10	6" Wire	1	Black	2	N/A	0	Diffused	010	Red	1 ²
45	6	LED	11 ¹	Special	X					Color Clear	030	Amber	2 ²
	14	LED	12 ¹							Water Clear	050	Green	4 ²
	28	LED	13 ¹									Blue	5 ²
	125	LED	15 ¹									White	6 ²
	250	LED	16 ¹									Yellow	8 ²
		Custom	XX										



Additional Options Available:

Contact sales@solico.com

1. For voltages greater than 2V the appropriate external resistor will be provided in the lead
2. Not all colors and styles available

Series 47

Features

- Series 47 - 5mm LED
- Threaded body - secured with lockwasher & nut
- Black or Bright finish

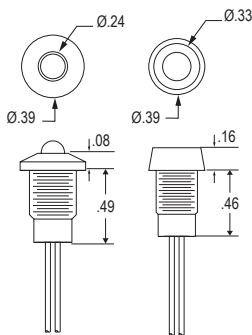
Specifications

- Body Material: Brass (Plated)
- Wire Gauge: Series 47 - 24 ga.
- Wire Strip: 3/8"
- Certifications: Contact Us

Series 47

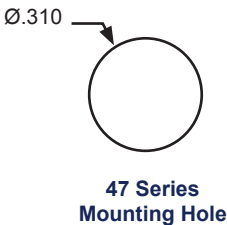


Series 47



LED Indicators

Series	Lamp			Termination		Base		Bezel		Lens			
XX	XX			-	X	-	X	-	X	-	XXX	X	0
47	Voltage	Type	Code	Style	Code	Color	Code	Finish	Code	Style	Code	Color	Code
	2	LED	10	6" Wire	1	Dome	7	Bright	2	Diffused	010 ²	Red	1 ²
	6	LED	11 ¹	Special	X	Recess	8			Color Clear	030 ²	Amber	2 ²
	14	LED	12 ¹							Water Clear	050 ²	Green	4 ²
	28	LED	13 ¹									Blue	5 ²
												White	6 ²
												Yellow	8 ²
	Custom		XX										



Additional Options Available:
Contact sales@solico.com

1. Voltages greater than 2V require components in lead wire(s)
2. Not all colors and styles available

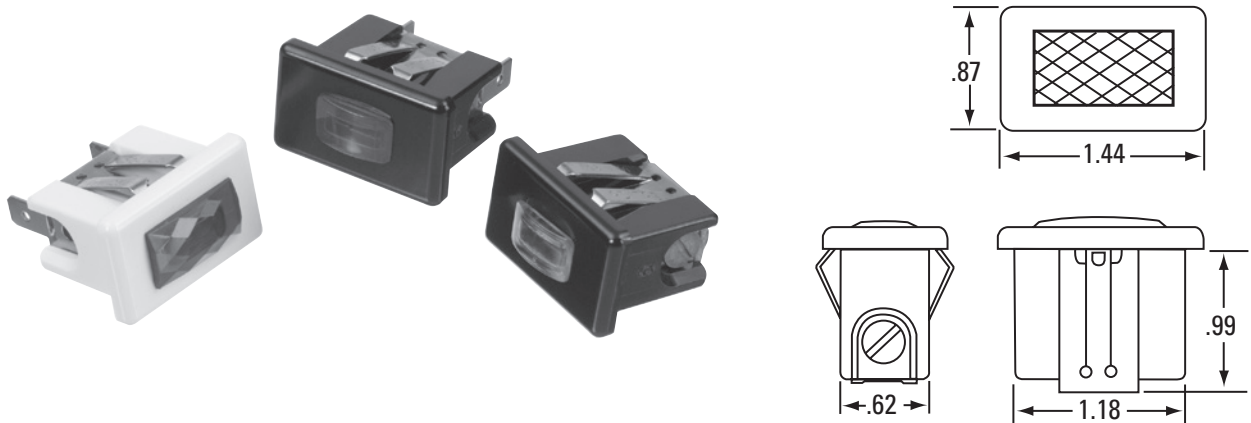
Series 13

Features

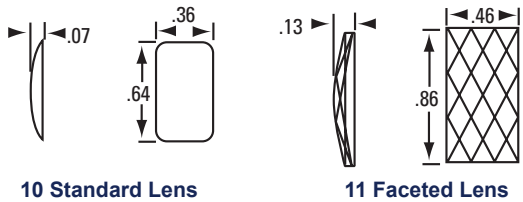
- Snap fits into 1.200" x .640" panel cutout
- Incandescent and neon illumination
- Two lens styles available
- Suggested for High Temperature applications
- Two termination styles available

Specifications

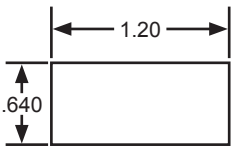
- Body Material: Phenolic
- Lens Material: Polycarbonate
- Panel Thickness: .045 to .065
- Certifications: Contact Us



Series	Lamp		Termination		Base		Bezel		Lens				
XX	XX		X		X		X		XXX				
13	Voltage	Type	Code	Style	Code	Color	Code	Finish	Code	Style	Code	Color	Code
	6	INCAND	32	.250 Tabs	4	White	1	None	0	Standard Plain	102	Red	1
	14	INCAND	35	Screws	6	Black	2			Faceted Plain	112	Amber	2
	28	INCAND	39									Clear	3
	125	NEON	50									Green	4
	250	NEON	52									Blue	5
	Custom		XX										



Panel Cutout



Additional Options Available:
Contact sales@solico.com

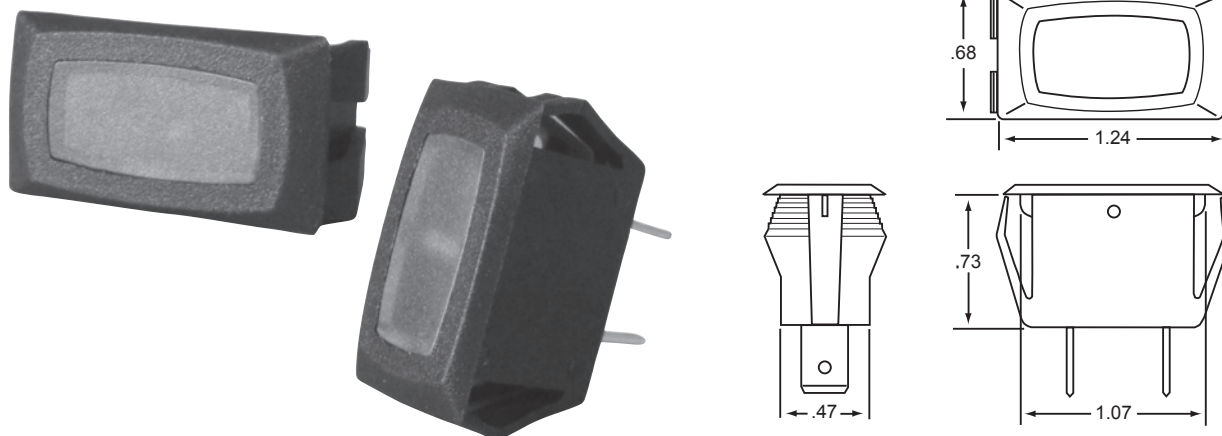
Series 15

Features

- Snap fits into 1.125" x .550" panel cutout
- LED, incandescent and neon illumination
- Matte Finish
- Dummy (hole plugs) available

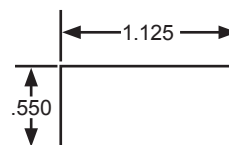
Specifications

- Body Material: Nylon
- Lens Material: Polycarbonate
- Panel Thickness: .025 to .187
- Certifications: Contact Us



Series	Lamp		Termination		Base		Bezel		Lens				
XX	XX		-	X	-	X		X	-	XXX		X	0
	<u>Voltage</u>	<u>Type</u>	<u>Code</u>	<u>Style</u>	<u>Code</u>	<u>Color</u>	<u>Code</u>	<u>Finish</u>	<u>Code</u>	<u>Style</u>	<u>Code</u>	<u>Color</u>	<u>Plain</u>
15	N/A	DUMMY	00	N/A	0	White	1	N/A	0	Flush Translucent	121	Red	1
	2	LED	10	.250 Tabs	4	Black	2			Flush Frost	124	Amber	2
	6	INCAND	32									Clear	3 ²
	14	INCAND	35									Green	4
	28	INCAND	39									Blue	5
												White	6
												Black	7
	125	NEON	50										
	250	NEON	52										
												<u>Color</u>	<u>Marked</u>
	2	ViviBright LED	60									Red	A
	6	ViviBright LED	61									Amber	B
	14	ViviBright LED	62									Clear	C ²
	28	ViviBright LED	63									Green	D
	125	ViviBright LED	65 ²									Blue	E
250	ViviBright LED	66 ²									White	F	
	Custom	XX											
Panel Cutout													

Panel Cutout



White is Translucent
Clear is Transparent

Additional Options Available:

Contact sales@solico.com

1. Clear lens has white LED

2. Wire leads only

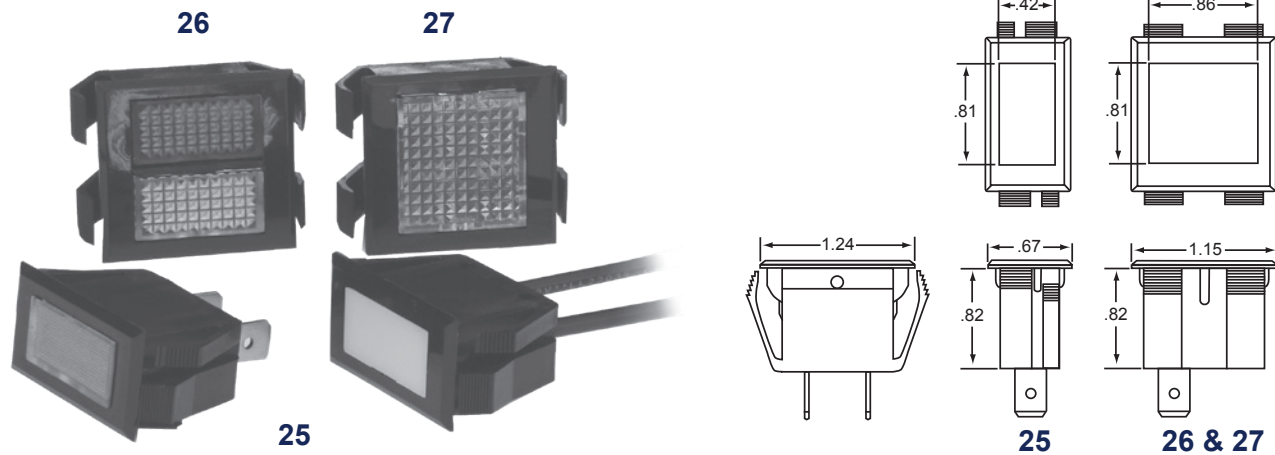
Series 25, 26, 27

Features

- Snap fits into panel cutout
- Incandescent and neon illumination
- Single or dual lenses
- Dummy (hole plugs) available

Specifications

- Body Material: Nylon
- Lens Material: Polycarbonate
- Wire Gauge: 18 ga.
- Panel Thickness: .020 to .250
- Certifications: Contact Us



Series	Lamp	Termination	Base	Bezel	Lens
XX	XX	X	X	X	XXX
25	N/A	DUMMY	00	N/A	0
26	6	INCAND	32	6" Wire	1
27	14	INCAND	35	.250 Tabs	4
28	INCAND	39	Special	X	
125	NEON	50			
250	NEON	52			
2	ViviBright LED	60			
6	ViviBright LED	61			
14	ViviBright LED	62			
28	ViviBright LED	63			
125	ViviBright LED	65 ¹			
250	ViviBright LED	66 ¹			
	Custom	XX			

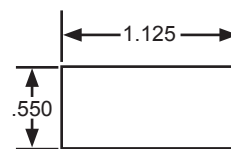
Style	Code	Color	Plain
Rectangular Translucent	451	Red	1
Rectangular Diamond	453	Amber	2
Rectangular Line	455	Clear	3
Square Translucent	461	Green	4
Square Diamond	463	Blue	5
Square Lines	465	White	6
		Black	7

Color	Marked
Red	A
Amber	B
Clear	C
Green	D
Blue	E
White	F

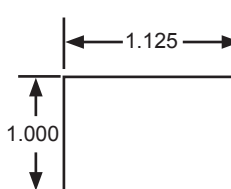
Series	Code
25 & 27	0
26	Select 2nd lens color

White is Translucent
Clear is Transparent

Panel Cutout Series 25



Panel Cutout Series 26 & 27



Additional Options Available:

Contact sales@solico.com

1. Wire leads only

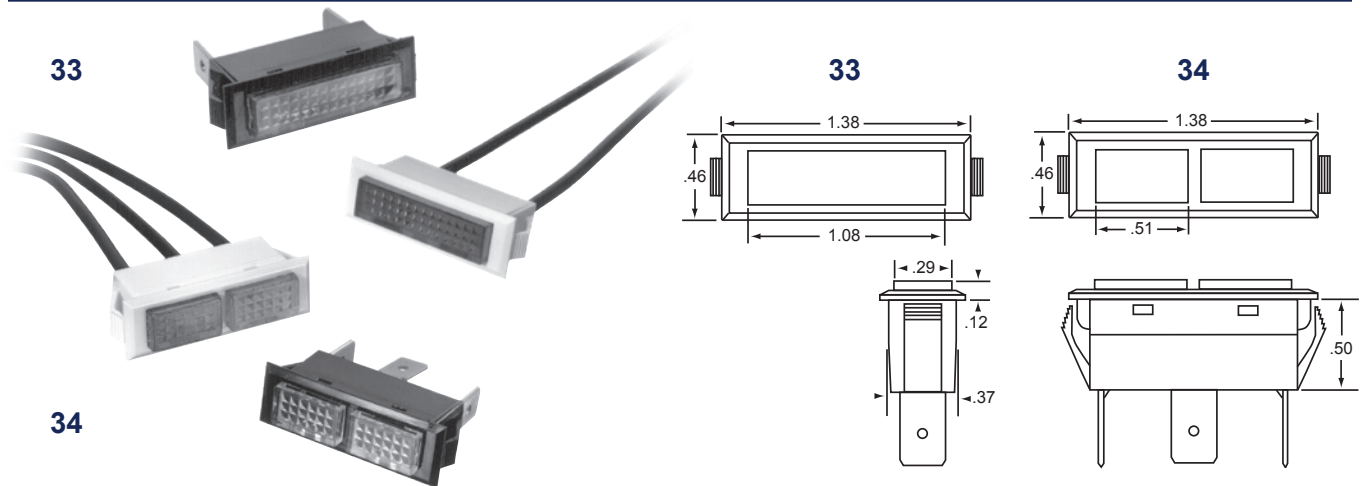
Series 33, 34

Features

- Snap fits into 1.280 x .375 panel cutout
- Incandescent and neon illumination
- Many lens styles available
- Dummy (hole plugs) available

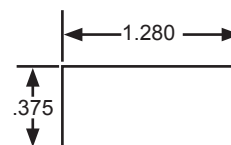
Specifications

- Body Material: Nylon
- Lens Material: Polycarbonate
- Wire Gauge: 18 ga.
- Wire strip: 1/2"
- Panel Thickness: .030 to .100
- Certifications: Contact Us



Series		Lamp		Termination		Base		Bezel		Lens									
XX		XX		-		X		-		X		-		XXX		X		X	
		<u>Voltage</u>	<u>Type</u>	<u>Code</u>	<u>Style</u>	<u>Code</u>	<u>Color</u>	<u>Code</u>	<u>Finish</u>	<u>Code</u>	<u>Style</u>	<u>Code</u>	<u>Color</u>	<u>Plain</u>					
33		N/A	DUMMY	00	N/A	0	Matte White	4	None	0	33 Series Lenses		Red	1					
34		6	INCAND	32	6" Wire	1	Matte Black	5	Stainless	1	Rectangular Translucent	181	Amber	2					
	14	INCAND	35	.187 Tabs	3							Rectangular Plain	182	Clear	3				
	28	INCAND	39	.250 Tabs	4						Rectangular Diamond	183	Green	4					
		125	NEON	50	Special	X					Rectangular Frost	184	Blue	5					
		250	NEON	52							Rectangular Lines	185	White	6					
													Black	7					
	2	ViviBright LED	60								34 Series Lenses		<u>Color</u>	<u>Marked</u>					
	6	ViviBright LED	61								Rectangular Translucent	191	Red	A					
	14	ViviBright LED	62								Rectangular Diamond	193	Amber	B					
	28	ViviBright LED	63								Rectangular Frost	194	Clear	C					
	125	ViviBright LED	65 ¹								Rectangular Lines	195	Green	D					
	250	ViviBright LED	66 ¹										Blue	E					
		Custom	XX										White	F					
												<u>Series</u>	<u>Code</u>						
												33	0						
												34	Select 2nd lens color						

Panel Cutout



White is Translucent
Clear is Transparent

Additional Options Available:

Contact sales@solico.com

1. Wire leads only

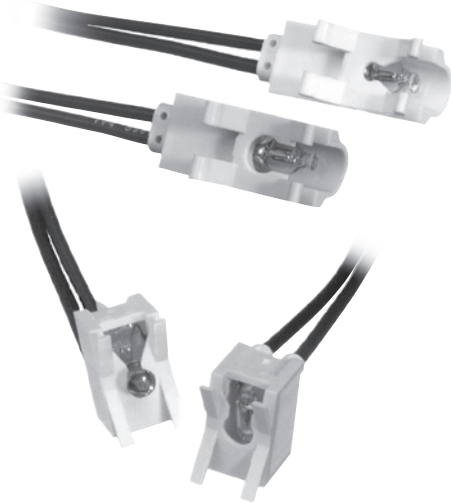
Series 10, 60

Features

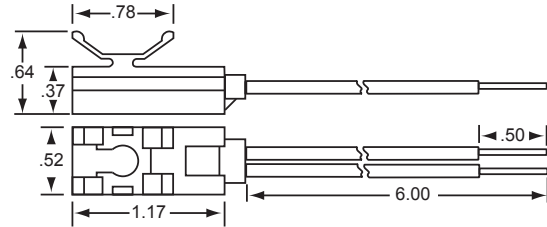
- Lens mounts from front, indicator from behind panel
- Incandescent and neon illumination
- 10 Series has wire leads only
- 60 Series available with wire leads or tab terminals

Specifications

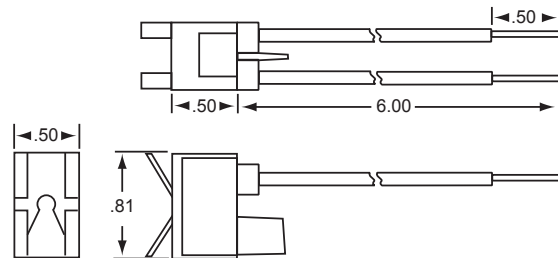
- Body Material: Nylon
- Lens Material: Polycarbonate
- Wire Gauge: Series 10 - 20 ga
Series 60 - 18 ga
- Wire Strip: 1/2"
- Panel Thickness: .030 - .780²
- Certifications: Contact Us



10 Series



60 Series



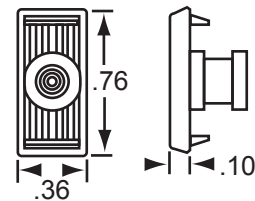
Series	Lamp		Termination		Base		Bezel		Lens				
XX	XX		-	X	-	X	X		-	XXX	X 0		
	Voltage	Type	Code	Style	Code	Color	Code	Finish	Code	Style	Code	Color	Code
10	6	INCAND	32	6" Wire	1	N/A	0	N/A	0	.200 Dia Rings	496	N/A	0
60	14	INCAND	35	.187 Tabs	3 1					.375 Dia Rings	266	Red	1
	28	INCAND	39	.250 Tabs	4 1					Rectangular Lines	515	Amber	2
				Special	X							Clear	3
	125	NEON	50									Green	4
	250	NEON	52									Blue	5



Lens 49

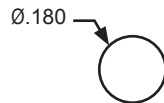


Lens 26

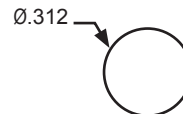


Lens 51

- Lens 49** mounting hole .180" dia
Lens 26 mounting hole .312" dia.
Lens 51 mounting hole .690" x .300"



Mounting Hole



Mounting Hole



Panel Cutout

Additional Options Available:
 Contact sales@solico.com

1. Series 60 only

Lamps & LED's

Neon Lamps (AC)

Neon lamps are constructed of a glass envelope, containing two electrodes and a mixture of inert gases. When a voltage is applied, above the "breakdown" voltage, the gas between the electrodes ionizes, creating the familiar orange-red "glow". They are rugged, reliable, cost effective and generate little heat. While light output is lower than incandescent lamps, neons are the most widely used light sources for indicators used at line voltages. Normally lighting with a red-orange glow, neons are also available in both green and blue by using special gasses and phosphorescent coatings inside the glass envelope.

All neon lamps require a current limiting resistor in series with the lamp. The value of this resistor is determined by three criteria: the manufacturer's specified operating characteristics, the desired brightness, and the required lamp life. While neon lamps have a typical life of 25,000 hours, this is directly proportional to the operating current. Higher current gives greater brightness, but shorter life. Although suited to both AC and DC operation, life when operated on DC is approximately 60% that of AC operation.

Catalog Number	Color	Volts	Life Hours
50	Amber	125V	25,000
52	Amber	250V	25,000
50	Green	125V	15,000
52	Green	250V	15,000
50	Blue	125V	10,000
52	Blue	250V	10,000

***Please Note:** All neon illuminated indicator lights ordered with a green lens will be provided with a green neon lamp; blue lenses will be provided with a blue neon lamp.*

Incandescent Lamps (AC/DC)

Incandescent lamps are best known for their bright white light output. When an electrical current is passed through the filament, it glows "white hot" creating light. The trade-off in incandescent lamps is their susceptibility to physical shock and vibration, as the filament becomes very fragile at its elevated operating temperatures. We recommend mounting the indicator away from any vibration source, and / or cushioning the lamp within the indicator assembly with a resilient potting compound.

Catalog Number	Volts	Size	Amps	Life Hours
32	6.3V	T - 1¼	.04	50,000
33	10V	T - 1¼	.04	5,000
35	14V	T - 1¼	.08	50,000
39	28V	T - 1¼	.04	25,000

Incandescent lamps can also generate significant heat, which should be considered in your application. Similar to neon lamps, operating an incandescent lamp at less than rated current will significantly increase its useful life. Using a 14 volt incandescent lamp in a 12 volt circuit will reduce the light output by about 30%, but will increase its life by a factor of four. **Potting for Incandescent lamps is standard.**

LEDs (DC)

Note: Daylight Visible LED's require ESD handling



Light Emitting Diodes, or LEDs as they are more commonly known, are cousins to the semiconductor devices like transistors and integrated circuits, and are fabricated with similar processes. The color of the LED is determined by the combination of materials used during the fabrication process. LED's are now available in a wide variety of colors including white, and in intensities approaching that of incandescent lamps. Bi-color LEDs are available in several color combinations.

LEDs are available in three primary styles; water clear lens for highest brightness but smallest viewing angle, color clear lens for increased viewing angle at a somewhat reduced light output, and color diffused lens for the widest viewing angle at greater reduction in light output. Light output for LEDs is measured in millicandellas (mcd) and is specified by minimum and typical values.

LEDs are DC (direct current) devices, although SoLiCo can provide a number of our products configured to use LEDs as AC (alternating current) devices.

LEDs: Due to rapidly changing LED technology, not all devices listed in our catalog may be available as described. We reserve the right to supply the closest equivalent device in appearance and performance.

Please contact us to discuss your specific LED indicator requirements. We have the experience and technical knowledge to find your solution.

Technical Specifications

Material Specifications

Wire length tolerance is:	$\pm \frac{1}{4}$ " on leads less than 12"
	$\pm \frac{1}{2}$ "; leads 12" to 36"
	± 1 " on leads greater than 36"
Strip length tolerance is:	$\pm \frac{1}{32}$ "
LED maximum operating temperature is:	70°C

Housing Materials

	<u>Operating Temperature</u>	<u>UL Rating</u>
High-Temperature Nylon (bases)	140°C	94V-2
Polycarbonate (lenses & bases)	115°C	94V-2
Chemical Resistant Nylon (66 Series only)	100°C	Contact sales@solico.com

Nominal operating temperature listed. Specific temperatures vary according to material thickness.
Please consult factory.

Imprinting

Hot Stamping

Hot stamping uses a heated metal die, engraved with the required legend, under pressure to force ink into a plastic surface, offering excellent durability. Hot stamping is normally done in black or white, and is best suited to text and simple line art. If no ink color is specified, hot stamping will be done in black, and the orientation of the imprint will be horizontal.

Pad Printing

Pad printing (also known as transfer printing), uses a soft rubber pad to pick up ink from an engraved plate and transfers it to the part to be marked. Pad printing is normally done in black or white, but can be done in any color for which ink is available. If no ink color is specified, white ink will be used. Text and images can be very accurately reproduced with this method. For additional durability in abrasive or high-wear applications, a clear overcoat can be applied over the marking.

Contact Factory for Pricing on All Legends

Marking Orientation

Horizontal Lens
Horizontal Legend

HORIZONTAL

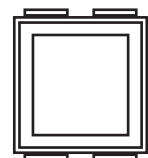
Vertical Lens
Vertical Legend

V
E
R
T
I
C
A
L

Vertical Lens
Horizontal Legend

HORIZ
PRINT

Series 27
Standard Orientation



Marking Department

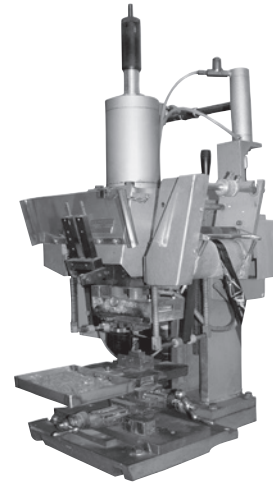
Pad Printing

SoLiCo has the capability of pad printing on almost any of our product surfaces. Pad printing, sometimes referred to as transfer printing, is especially well suited for curved or irregular surfaces. Our equipment can produce high resolution results on convex, concave, and flat caps as well as all lenses and most switch accessories. We can produce a variety of text and custom symbols. If a specific symbol or word is not available we can produce the cliché to accommodate almost any request that can physically fit on the product surface. Standard ink color is white, black is optional, and custom ink colors are available as special purchase options.



Hot Stamp

Hot stamping, while one of the oldest technologies, still offers a cost-effective permanent marking. A heated die, with the image to be marked, and a special foil (ribbon) are pressed onto a plastic surface, depositing the "ink" into the surface. Hot stamping is best suited for text, and low-resolution graphics. As the pigment is actually "melted" into the surface, it provides excellent durability, and good visual contrast.



Laser Etch

It is a high-power, high-speed unit with the ability to produce extremely high-resolution graphics. It has a 12" x 12" stage, allowing multiple parts to be marked with a single set-up. Depending on the base material, it is suitable for direct imaging, or using an opaque overcoat, producing a reverse-image style of marking.

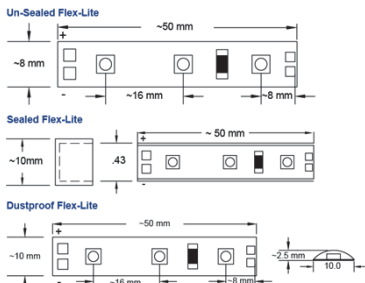
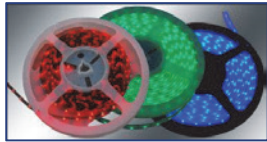


FLEX LITES

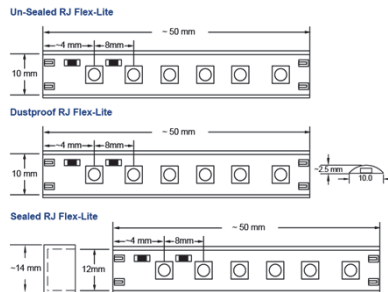
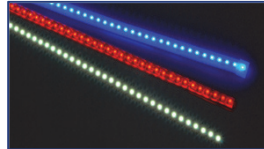
Specification	RF series	RJ series	RU Series
Input voltage	12VDC and 24 VDC	12VDC and 24 VDC	12VDC and 24 VDC
Power	24 Watts per 5M	48 Watts per 5 M	72 Watts per 5 M
Current	2.0 Amps (120 mA per foot)	4.0 Amps (240 mA per foot)	6.0 Amps (320 mA per foot)
IP ratings	IP68 Waterproof	IP68 Waterproof	IP68 Waterproof
IP ratings	IP 67 Sealed	IP 67 Sealed	IP67 Sealed
IP ratings	IP65 Dustproof	IP65 Dustproof	IP65 Dustproof
IP ratings	IP 20 Unsealed	IP 20 Unsealed	IP20 Unsealed
Life of product	Minimum 50,000 hours	Minimum 50,000 hours	Minimum 50,000 hours
Operating Temperature	Range -25~+60C	Range -25~+60C	Range -25~+60C
Length	5 Meter reels	5 Meter reels	5 Meter reels
LED per 5 meters	300	600	300
LED Type	SMD 3528	SMD 3528	SMD 5050
Cut section	50 mm	50 mm, 6 LED's per section	50 mm
Viewing angle	120 Degrees	120 Degrees	120 Degrees
PCB width	8mm for unsealed	10mm for unsealed	10mm for unsealed
UV resistant	Yes	Yes	Yes
Lumens (pure white)	90 Lm per foot;1350 per reel	180 Lm per foot;2700 Lm per reel	261 per foot;3915 per reel

All series available in Red, Green, Yellow, Blue, White, Warm White and Pure White

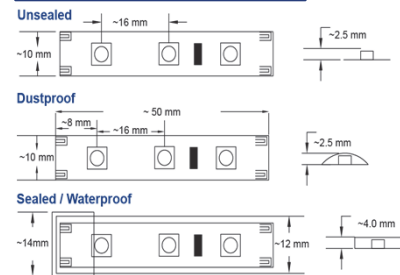
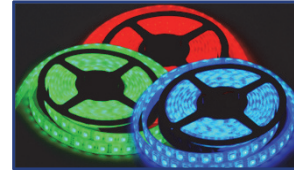
RF Series



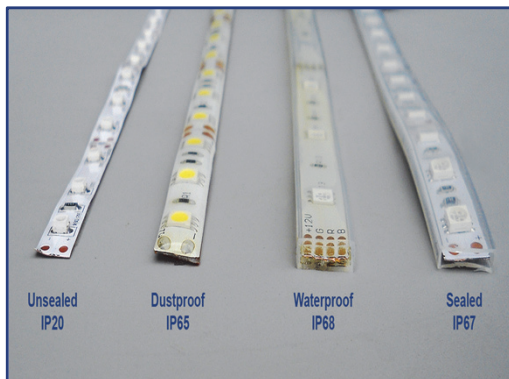
RJ Series



RU Series



IP Ratings



Flexlite Markets

Transportation
 Commercial Food
 Appliances
 Environmental Controls
 Medical Equipment
 Architecture
 Industrial

Features

Environmentally friendly, Energy Savings.
 Very Flexible and easily curved into any shape.
 Easy to install and maintain.
 3M double back tape mounting for unsealed / dustproof.
 Silicone bracket used to mount sealed options.

Available Accessories

Controller
 Wireless Remote
 Power Supplies- Waterproof available
 Dimmer

Additional Information

- Installation surface must be smooth, dry and clean
- LED components can not be fixed on surfaces of the sharp edge
- Strips should not be collided or crushed
- Strip can be cut following the cutting lines
- LED Strips must not exceed 5 meters when used in a DC series circuit

*Call our sales department to discuss what
SOLICO can do for your
next lighting project.*



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