Product Catalog



Round Indicators







Rectangular Indicators



LED, Rear Mount and Specialty Indicators

1-800-275-7089

solico.com



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. warranties 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

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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 Brownsville, Texas Matehuala, 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

Catalog 12.12 Sept 2013 File # E36730(M)

Series 18, 21, 24

Features

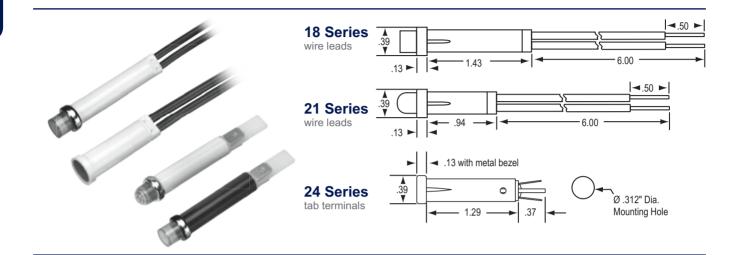
- Press fits into .312" panel hole
- · LED, incandescent, and neon illumination
- · Three lens styles available

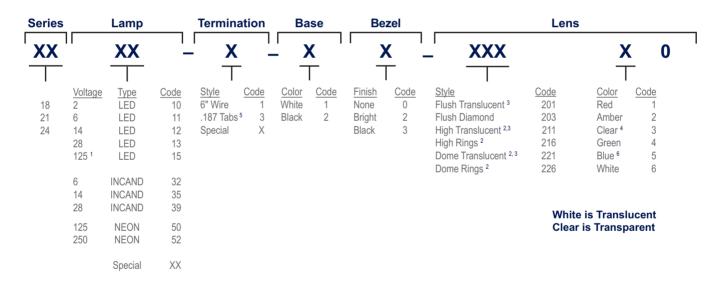
Specifications

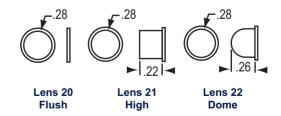
Body Material: Nylon
Lens Material: Polycarbonate
Bezel Material: Brass (Plated)

• Wire Gauge: 18 ga.

Wire Strip: 1/2"
Terminals: .187 Tabs
Panel Thickness: .030" min
Certifications: Contact Us







Additional Options Available:

- 1. Series 18 Only
- 2. Bezel Required
- 3. Translucent Lens is not recommended for use with LED
- 4. Specify LED Color
- 5. Series 24 only
- 6. Blue neon not available on Series 21

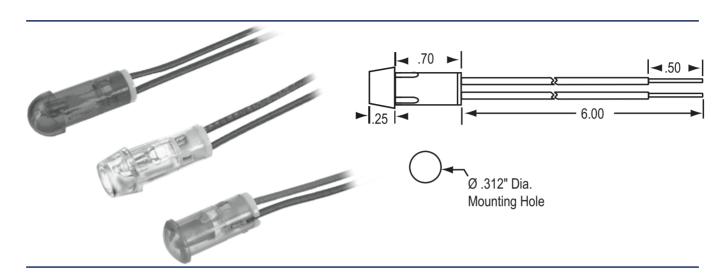
Features

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

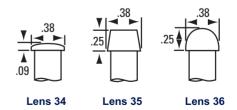
Specifications • Body & Lens Material:

Polycarbonate

• Wire Gauge: 22 ga. • Wire Strip: 1/2" .030" min • Panel Thickness: • Certifications: Contact Us



Series		Lamp		Termi	nation	Ва	se	Bez	zel		L	ens	
XX		XX	-	- ' >	(-	_)	(' X	\ _	. XX	X	>	(0
\top		\Box			Γ	_		Т	_		_	Т	
	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							Dome	362	Clear 1	3
	28	LED	13									Green	4
												Blue	5
	6	INCAND	32										
	14	INCAND	35										
	28	INCAND	39										
	125	NEON	50										
	250	NEON	52										
		Special	Χ										



Additional Options Available:

^{1.} Specify LED Color

Series 22, 23

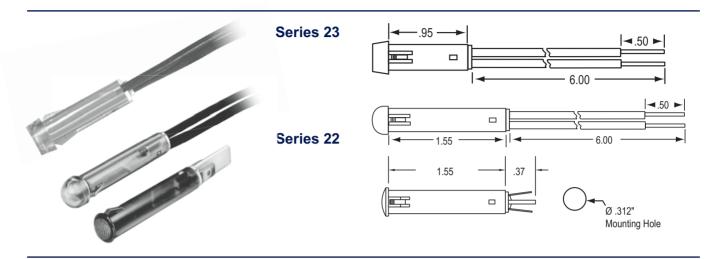
Features

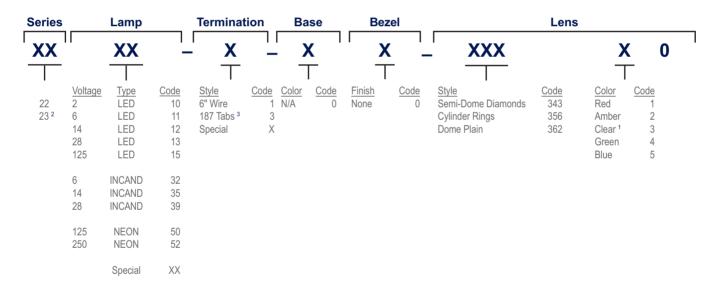
- Snap fits into .312" panel hole
- · Body and lens are one piece construction
- · LED, incandescent, and neon illumination

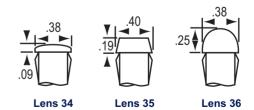
Specifications

Body & Lens Material: Polycarbonate
Terminals: 187 Tabs
Wire Gauge: 18 ga.
Wire Strip: 1/2"

Panel Thickness: .025" to .060" maxCertifications: Contact Us







Additional Options Available:

^{1.} Specify LED color

^{2.} Components provided in leads when Series 23 is specified with lamp codes 11 - 15

^{3.} Available with LED (2V) and incandescent lamps only, contact factory for additional information.

Features

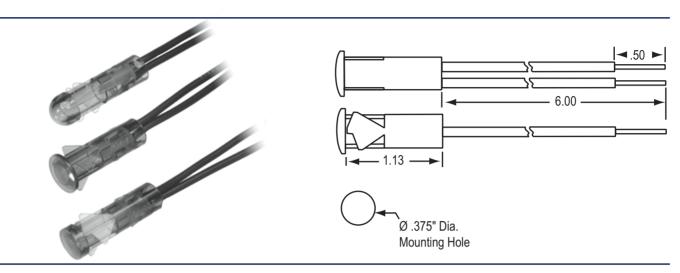
- Snap fits into .375" panel hole
- Body and lens are one piece design
- · LED, incandescent, and neon illumination
- Three lens styles available
- Splashproof

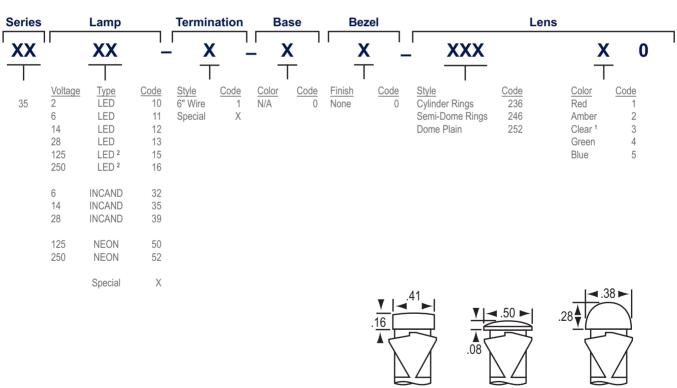
Specifications

Body & Lens Material: Polycarbonate

Wire Gauge: 20 ga.Wire Strip: 1/2"

Panel Thickness: .032" to .094" maxCertifications: Contact Us





Additional Options Available:

Contact Factory

Lens 23

Lens 24

Lens 25

^{1.} Specify LED Color

^{2.} Requires components in wire leads

Features

- Fits into .375 panel hole
- · LED, incandescent, and neon illumination
- · Sealed, NEMA 3-R

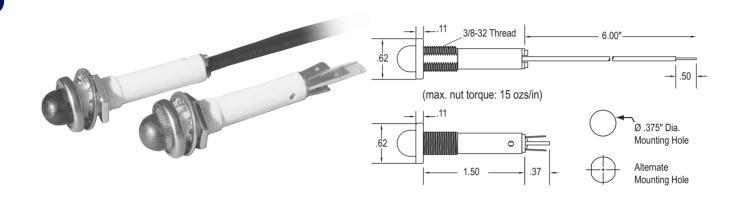
Specifications

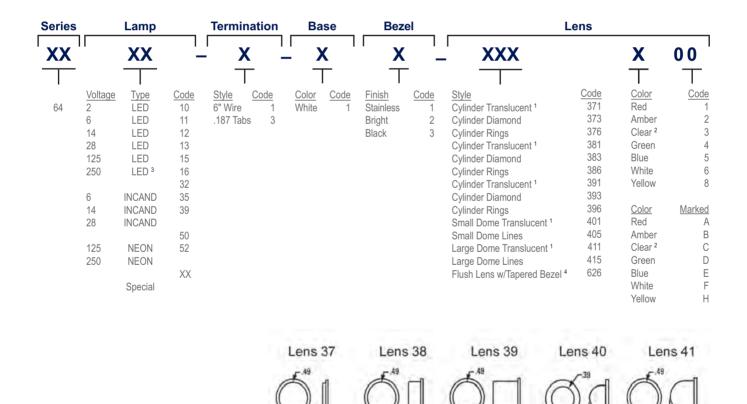
· Body Material: · Lens Material: Polycarbonate

· Wire Gauge: 18 ga. • Wire Strip: 1/2"

• Terminals: .187 Tabs • Panel Thickness: .030" to .250"

· Certifications: Contact Us





Additional Options Available:

^{1.} Translucent Lens not recommended for use with LED

^{2.} Specify LED Color

^{3.} Wire Leads only

^{4.} Bright Bezel only, use code 2

Series 28, 29

Features

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

Specifications

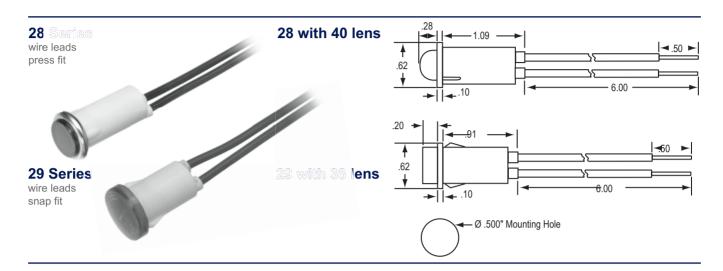
Body Material: Nylon

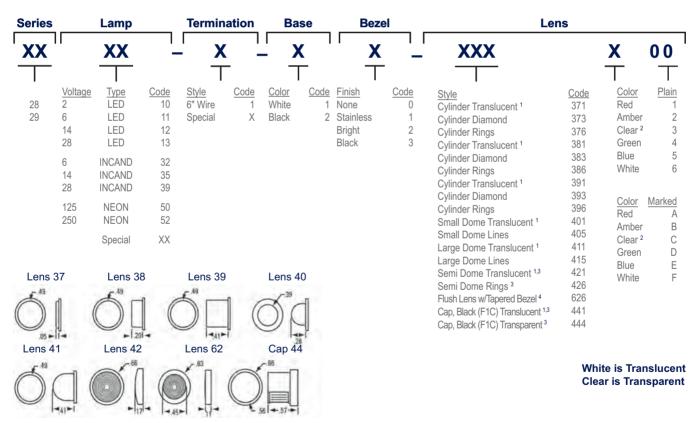
• Lens Material: Polycarbonate

• Bezel Material: Stainless Steel or Plated Brass

Wire Gauge: 18 ga.Wire Strip: 1/2"

Panel Thickness: .030" to .093Certifications: Contact Us





Additional Options Available:

- 1. Translucent Lens is not recommended for use with LED
- 2. Specify LED Color
- 3. Bezel not available
- 4. Bright Bezel only, use code 2

Features

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

Specifications

Body Material:

• Lens Material: Polycarbonate

Nylon

Bezel Material: Polycarbonate
 Stainless steel or plated brass

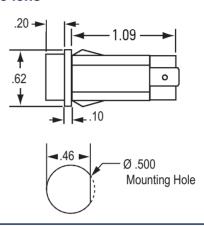
Terminals: .187 or .250 TabsPanel Thickness: .030" to .093"

• Certifications: Contact Us

30 Series



30 with 38 lens



Series		Lamp		Terminat	ion	Ba	se	Bez	el	L	.ens		
XX	Ш	XX		- X	_	X		X	' -	XXX		X	0
\top		\Box		\top		⊣	_	\top	-			\top	
30	Voltage 2 6 14 28 6 14 28 125 250	Type LED LED LED LED INCAND INCAND INCAND NEON NEON Special	Code 10 11 12 13 32 35 39 50 52 XX	Style C .187 Tabs .250 Tabs	3	Color White Black	Code 1 2	Finish None Stainless Bright Black	Code 0 1 2 3	Style Cylinder Translucent ¹ Cylinder Diamond Cylinder Rings Cylinder Translucent ¹ Cylinder Diamond Cylinder Rings Cylinder Rings Cylinder Translucent ¹ Cylinder Diamond Cylinder Diamond Cylinder Rings Small Dome Translucent ¹ Small Dome Lines Large Dome Translucent ¹ Large Dome Lines	Code 371 373 376 381 383 386 391 393 396 401 405 411 415	Red Amber Clear ² Green Blue	Plain 1 2 3 4 5 6 Marked A B C D E
Lens	37	Lens :	38	Lens 39	L	ens 4	0			Semi Dome Translucent ^{1,3} Semi Dome Rings ³	421 426	White	F
0.05		Ó.	201-4		(39	28			Flush Lens w/Tapered Bezel ⁴ Cap, Black (F1C) Translucent ^{1,3} Cap, Black (F1C) Transparent ³	626 441 444		
Lens 4	11	Lens 4	2 56	Lens 62		Cap 44					White is		

Additional Options Available:

^{1.} Translucent Lens is not recommended for use with LED

^{2.} Specify LED Color

^{3.} Bezel not available

^{4.} Bright Bezel only, use code 2

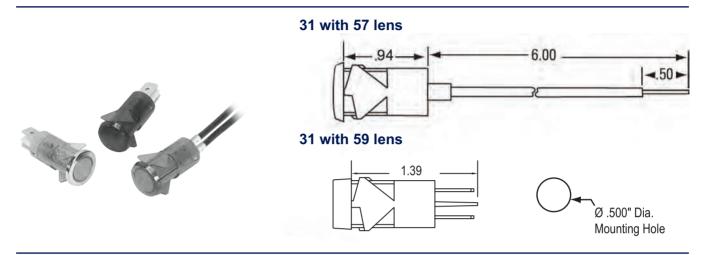
Features

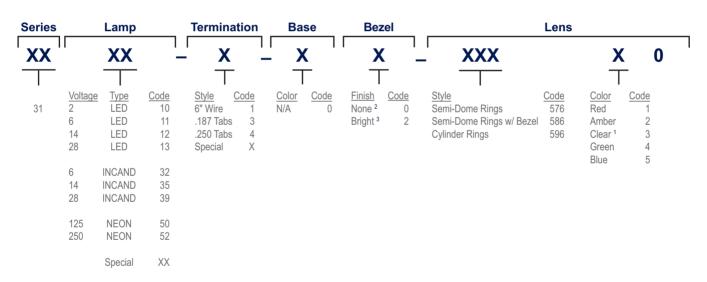
- Snap fits into .500" panel hole
- Body and lens are one piece design
- · LED, incandescent, and neon illumination
- Splashproof

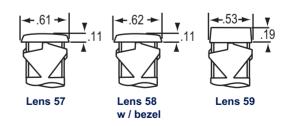
Specifications

Body & Lens Material: Polycarbonate
Wire Gauge: 20 ga.
Wire Strip: 1/2"

Terminals: .187 or .250 Tabs
Panel Thickness: .040" to .093
Certifications: Contact Us







Additional Options Available:

^{1.} Specify LED Color

^{2.} Lens 57 and 59 only

^{3.} Bright - Lens 58 only

Features

- Fits into .500" panel hole
- LED, incandescent, and neon illumination
- · Sealed, NEMA 3-R

Specifications

Body & Lens Material:

 Bezel Material: • Terminals:

.187 or .250 Tabs

• Panel Thickness:

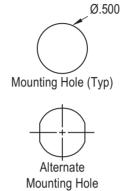
.031" to .125"

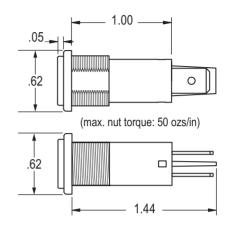
Polycarbonate

Stainless steel or plated brass

· Certifications: Contact Us







Series	Lamp	Termination	Base	Bezel	_	L	.ens		
XX	XX	- X -	- X	X	 -	XXX		X	0
$\overline{}$	$\overline{}$	\top	丁	\top				\top	
67	Type Code LED 10 LED 11 LED 12 LED 13 INCAND 32 INCAND 35 INCAND 39 NEON 50 NEON 52	Style Code .187 Tabs 3 .250 Tabs 4	Color N/A Code 0	Finish None Stainless Bright Black	Code 0 1 2 3	Style Cylinder Translucent ¹ Cylinder Diamond Cylinder Rings Cylinder Translucent ¹ Cylinder Diamond Cylinder Diamond Cylinder Rings Cylinder Translucent ¹ Cylinder Diamond Cylinder Diamond Cylinder Rings Small Dome Translucent ¹ Small Dome Lines	Code 371 373 376 381 383 386 391 393 396 401 405	Color Red Amber Clear ² Green Blue White Color Red Amber Clear ²	Code 1 2 3 4 5 6 Marked A B C
Lens 37 Lens 41 Lens 41	Lens 38 Lens 62 Lens 62	Lens 39 49 Cap 44 66	Lens 40			Large Dome Translucent ¹ Large Dome Lines Flush Lens w/Tapered Bezel ⁴ Cap, Black (F1C) Translucent ¹³ Cap, Black (F1C) Transparent ³	411 415 626 441 444	Green Blue White White is Tran Clear is Tran	D E F

Additional Options Available:

- 1. Translucent Lens is not recommended for use with LED
- 2. Specify LED Color
- 3. Bezel not available
- 4. Bright Bezel only, use code 2

Features

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

Specifications

 Body Material: Polycarbonate • Wire Strip:

 Lens Material: Polycarbonate • Terminals: .187 or .250 Tabs • Bezel Material: Stainless Steel or • Panel Thickness: .030" to .093

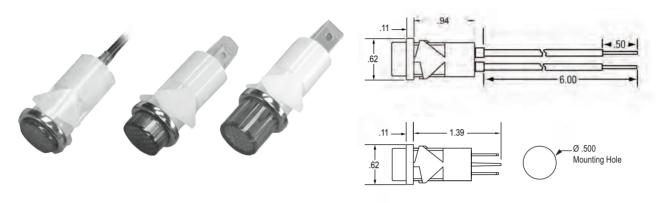
Plated Brass

 Certifications: Contact Us

1/2"

• Wire Gauge: 20 ga.

Shown with lens 38



Series	Lamp	Termination	Base	Bezel	Le	ens
XX	XX	- x -	. x	' x '_	XXX	X 0
68 Voltage 2 6 14 28 125 250 6 14 28 125 250 480 600	LED 1 LED 1 LED 1 LED 1 LED 4 1 LED 4 1 INCAND 3 INCAND 3 INCAND 3 INCAND 5 NEON 5 NEON 5	de Style Code 10 6" wire 1 11 .187 Tabs 3 12 .250 Tabs 4 13 15 16 32 35 39 50 50 52 54	Color Code N/A 0	Finish Code None 0 Stainless 1 Bright 2 Black 3	Style Cylinder Translucent ¹ Cylinder Diamond Cylinder Rings Cylinder Translucent ¹ Cylinder Diamond Cylinder Rings Cylinder Translucent ¹ Cylinder Translucent ¹ Cylinder Diamond Cylinder Diamond Cylinder Rings Small Dome Translucent ¹ Small Dome Lines Large Dome Lines Semi Dome Translucent ^{1,3}	Code Color Plain 371 Red 1 373 Amber 2 376 Clear 2 3 381 Green 4 383 Blue 5 386 White 6 391 393 396 401 405 Color Marked 405 Red A 411 Amber B 421 Clear 2 C
Lens 37	Lens 38	Lens 39	Lens 40		Semi Dome Rings ³ Flush Lens w/Tapered Bezel ⁵ Cap, Black (F1C) Translucent ^{1,3} Cap, Black (F1C) Transparent ³	426 Green D 426 Blue E 441 White F 444 White is Translucent
Lens 41	Lens 42	Lens 62	Cap 44			White is Transl Clear is Transp

Additional Options Available:

- 1. Translucent Lens is not recommended for use with LED
- 2. Specify LED Color
- 3. Bezel not available
- 4. Wire Leads only
- 5. Bright Bezel only, use code 2

Features

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

Specifications

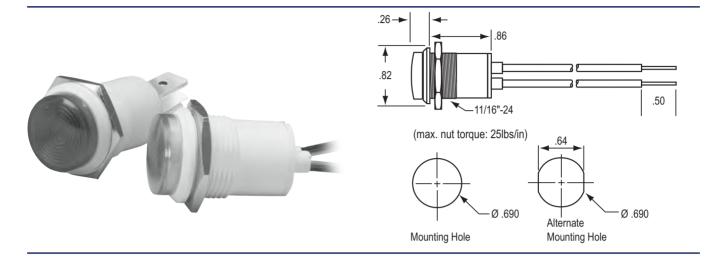
Body Material: NylonLens Material: Polycarbonate

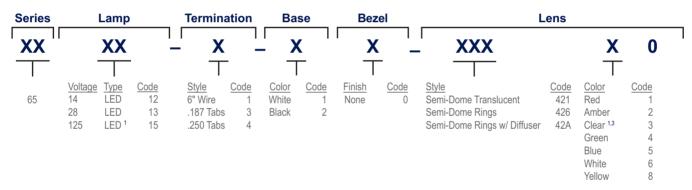
• Wire Gauge: 20 ga.

• Wire Strip: 1/2"

• Terminals: .187 or .250 Tabs

Panel Thickness: .050" to .187Certifications: Contact Us





White is Translucent Clear is Transparent

LED Light Output (mcd) ²

 Red
 10k typ.

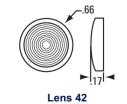
 Green
 15k typ.

 Blue
 7k typ.

 White
 12k typ.

 Yellow
 8k typ.





Additional Options Available:

- 1. Reduced Intensity
- 2. Daylight Visible LED's may require ESD handling
- 3. Specify LED color

Features

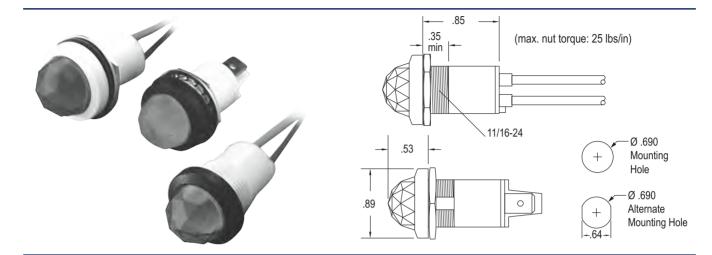
- Fits into .690" panel hole
- Threaded mount
- · LED cluster lighting
- · Daylight Visible
- Supplied w/ hex nut, lock washer and gasket
- Splashproof

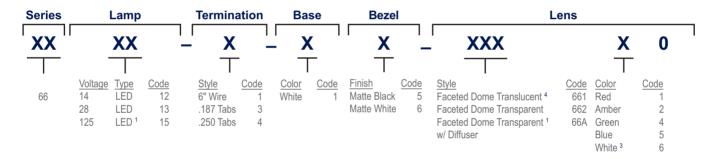
Specifications

Body Material: NylonLens Material: Polycarbonate

• Wire Gauge: 20 ga. • Wire Strip: 1/2" • Terminals: .187 or .250 Tabs

Panel Thickness: .050" to .187
Certifications: Contact Us





White is Translucent

LED Light Output (mcd) ²

 Red
 10k typ.

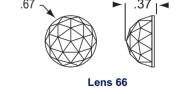
 Green
 15k typ.

 Blue
 7k typ.

 White
 12k typ.

 Yellow
 8k typ.





Additional Options Available:

- 1. Reduced Intensity
- 2. Daylight visible LED's may require ESD handling
- 3. Translucent only
- 4. White only

Series 43, 44, 45

Features

- Series 43 3mm size LED
- Series 44 & 45 5mm LED
- Press Fit

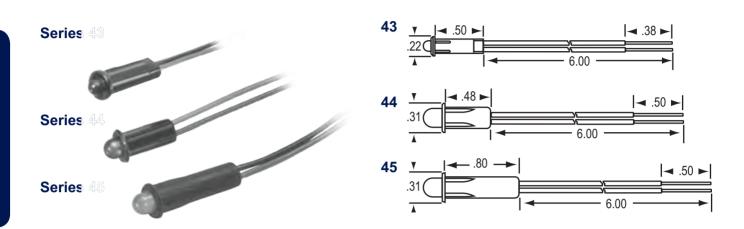
Specifications

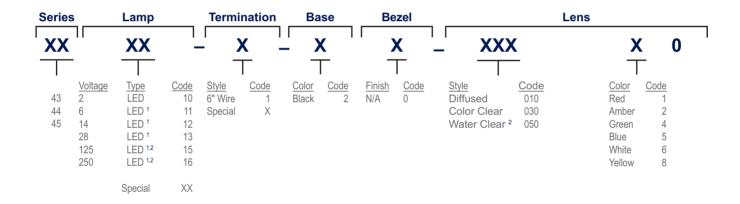
Body Material:Wire Gauge:

Nylon Series 43 - 26 ga., 3/8" Strip

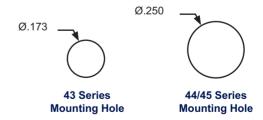
Series 44/45 - 24 ga., 1/2 " strip

• Certifications: Contact Us





Contact factory with your specific LED requirements



Additional Options Available:

^{1.} For voltages greater than 2V the appropriate external resistor will be provided in the lead

^{2.} Not available on Series 43

Series 46, 47

Features

- Series 46 3mm size LED
- Series 47 5mm LED
- Threaded body secured with lockwasher & nut
- Black or Bright finish

Specifications

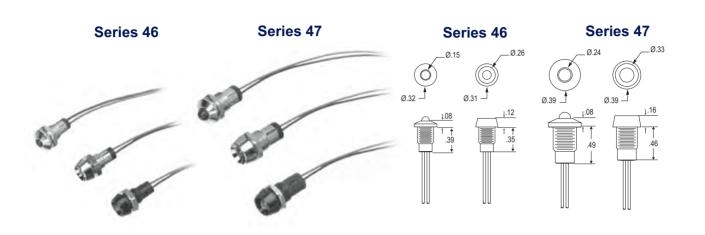
· Body Material:

Brass (Plated) • Wire Gauge:

Series 46 - 26 ga. Series 47 - 24 ga.

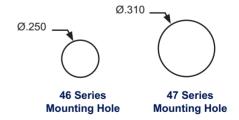
• Wire Strip:

 Certifications: Contact Us



Series		Lamp		Termin	ation	Bas	se	Be	zel			Lens	
XX	ı	XX	<u> </u>	- X	, I	_ X	,)	(_	_' XX	X		X 0
$\overline{}$		\top		Т	_	T	_	٦	_		_	-	Τ
46 47	Voltage 2 6 14 28	Type LED LED ¹ LED ¹ LED ¹	Code 10 11 12 13	Style 6" Wire Special	Code 1 X	Color Dome Recess	7 8	<u>Finish</u> Bright Black	Code 2 3	Style Diffused Color Clear Water Clear	Code 010 030 050	Color Red Amber Green Blue ³	Code 1 2 4 5
		Special	XX									White Yellow	6 8

Contact factory with your specific LED requirements



Additional Options Available:

Contact Factory

1. Voltages greater than 2V require components in lead wire(s)

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

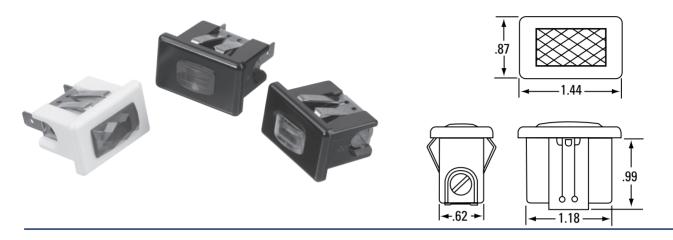
- · Body Material:
- Lens Material:
- Terminals:
- · Panel Thickness:

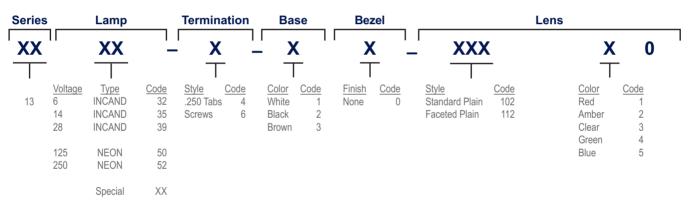
Phenolic Polycarbonate

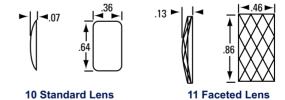
.250 Tabs

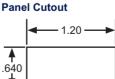
.045 to .065

• Certifications: Contact Us









Additional Options Available:

Features

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

Specifications

· Body Material:

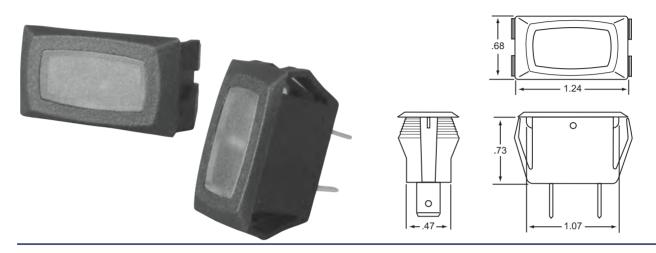
Nylon • Lens Material: Polycarbonate

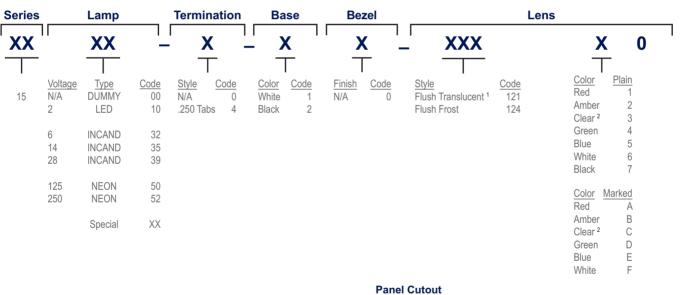
• Terminals:

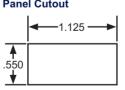
· Panel Thickness:

.250 Tabs .025 to .187

• Certifications: Contact Us







White is Translucent Clear is Transparent

Additional Options Available:

^{1.} Translucent Lens is not recommended for use with LED

^{2.} Specify LED Color

Series 16, 17

Features

- Snap fits into 1.450" x .830" panel cutout
- Incandescent and neon illumination
- · Single or dual lenses
- · Dummy (hole plugs) available

Specifications

· Body Material:

• Lens Material: Polycarbonate

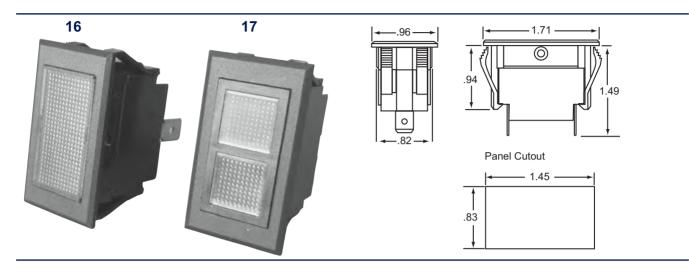
• Wire Gauge: 18 ga.

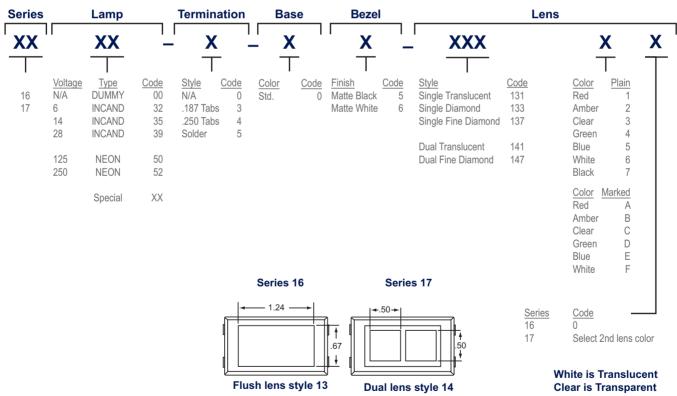
• Terminals: .187 & .250 Tabs, Solder Lugs

Nylon

• Panel Thickness: .030 to .240

Certifications: Contact Us





Additional Options Available:

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 Polycarbonate

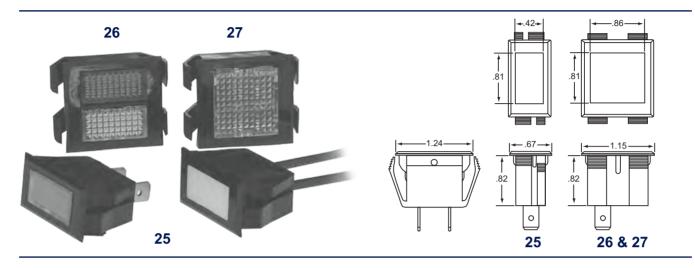
• Lens Material: · Wire Gauge:

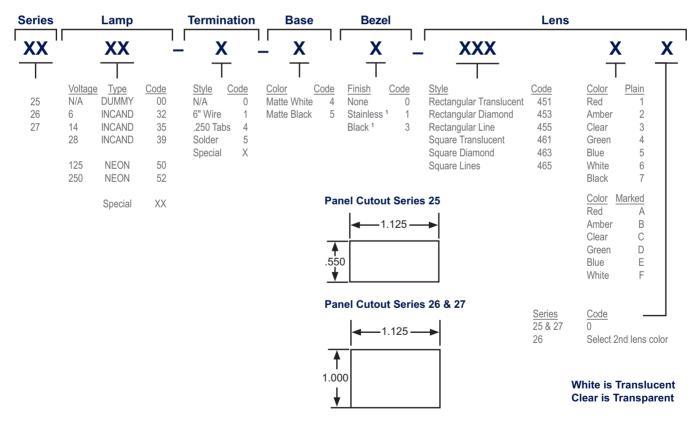
18 ga.

• Terminals:

.250 Tabs, Solder Lugs

· Panel Thickness: .020 to .250 · Certifications: Contact Us





Additional Options Available:

^{1.} Series 25 and 26 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

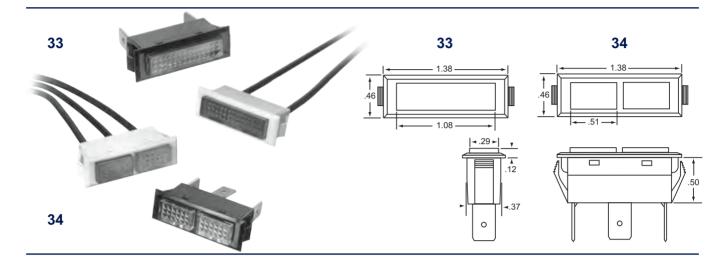
• Wire Gauge: 18 ga.

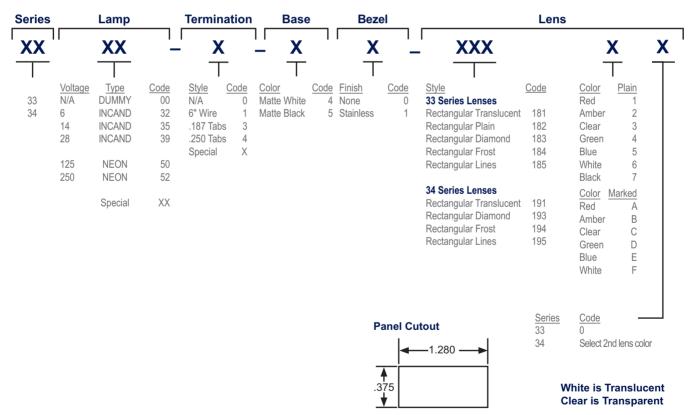
• Wire strip 1/2"

• Terminals: .187 or .250 Tabs

• Panel Thickness: .030 to .100

• Certifications: Contact Us





Additional Options Available:

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: • Lens Material:

Polycarbonate

or .250 Tabs

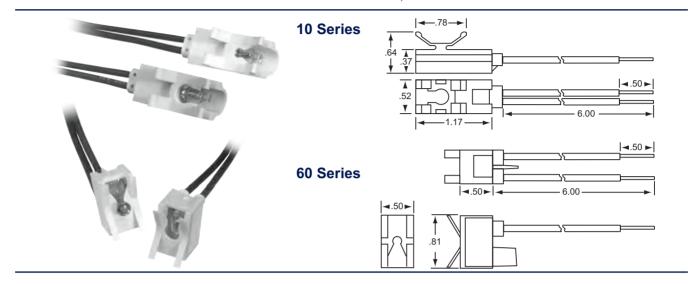
.187 Tabs

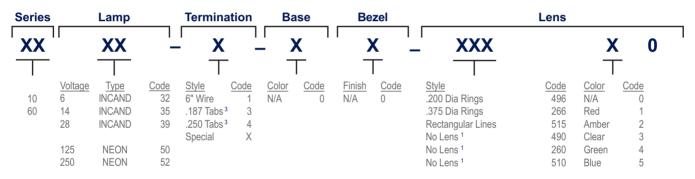
• Terminals:

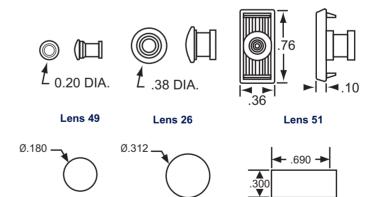
· Wire Gauge: Series 10 - 20 ga • Panel Thickness: .030 - .780 2

Series 60 - 18 ga • Certifications: Contact Us

• Wire Strip:







Mounting Hole

Panel Cutout

Lens 49 mounting hole .180" dia Lens 26 mounting hole .312 " dia

Lens 51 mounting hole .690" x .300"

Additional Options Available:

Contact Factory

1. If Ordered without lens, lens style must still be specified, Pattern and color are "0"

2. Nominal range. Alternate lenses (style 26) are available to fit thicker panels. Please consult factory

3. Series 60 only

Mounting Hole

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 lam	ps require a	current limiting	resistor in series
with the lamp	o. The value	of this resistor	is determined by

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.

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.

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 tradeoff 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	Volts	Size	Amps	Life
Number				Hours
32	6.3V	T - 1¾	.04	50,000
33	10V	T - 13/4	.04	5,000
35	14V	T - 13/4	.08	50,000
39	28V	T - 1¾	.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"

± 1/2"; leads 12" to 36"

± 1" on leads greater than 36"

Strip length tolerance is: $\pm \frac{1}{3}$ 2 LED maximum operating temperature is: ± 0 0°C

Housing Materials Operating Temperature UL Rating

High-Temperature Nylon (bases)140°C94V-2Polycarbonate (lenses & bases)115°C94V-2

Chemical Resistant Nylon (66 Series only) 100°C Contact Factory

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.

Hot stamp charges are "per imprint", which is defined as a marking applied in one operation. The tooling charge for a Hot Stamp Die (not already available) is \$185.00 per die. Minimum quantity is 100 pieces. A set-up charge of \$35.00 will apply to quantities of less than 500 pieces per legend.

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.

Pad print charges are "per hit", which is defined as a marking applied in one operation. The artwork and plate charge for a Pad Print Plate (not already available) is \$185.00. Depending on size and complexity, multiple legends can be accommodated on a single plate, please contact the sales department for details. Minimum quantity is 100 pieces per legend. A set up charge of \$35.00 will apply to quantities of less than 500 pieces.

Marking Orientation

Horizontal Lens
Horizontal Legend

HORIZONTAL

Vertical Lens
Vertical Legend

V E R T 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.



Yag Laser

SoLiCo's most recent addition to our marking department is our YAG Laser. It is a high-power, high-speed unit with the ability to produce extremely highresolution 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.









100 Shield Street West Hartford, CT 06110 USA

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

Phone: 860-527-3092 Fax: 860-527-6047 catalog@solico.com 1.800 .275.7089