

LUMELX[®] 2038 SERIES

120V • LED • DIM TO WARM



Elegant fixed downlight designed specifically for the most demanding architectural applications

- Designed for a Dim to Warm module up to 14 Watts
- System efficiency up to 48 lumens/watt
- 36,000 hour life to 70% lumen output, L70 at 95°F max ambient
- Halogen mimicking color from 3000K to 2000K
- Field interchangeable optics (16°, 24°, or 40°) modify the beam spread distribution
- Color Rendering Index (CRI) of 92 min. at all dimming settings
- Lumen output: 1000 Lumens
- Proprietary mixing optics for smooth even light
- Tested to LM79 and LM80 Protocols, TM-30 available
- Hidden integral electronic driver compatible with reverse phase (ELV compatible) dimmers down to 10%
- Accessory holder accepts up to two size-AAA LSI filters and accessories
- Sturdy die-cast aluminum housing
- No UV or IR emissions; no mercury or lead
- On/off safety switch (on OE Track fitting)
- Finishes: LSI Black, White, and Silver
- Fixture weight: 3 lbs
- All modules are field replaceable

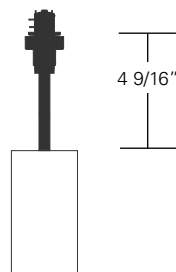
MOUNTING OPTIONS

Please review the **ORDERING INFORMATION** section on the next page on how to specify the following:

- LED Module
- LED Rating
- Color Temperature
- Optic - mm/beam spread
- Dimming
- Voltage
- Finish

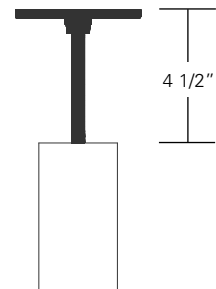
LX2038-XXXXX-XXXXXX-0E-XXXXXX

Lexan Fitting for 1 and 2 circuit LSI Track. With On/Off switch.



LX2038-XXXXX-XXXXXX-5E-XXXXXX

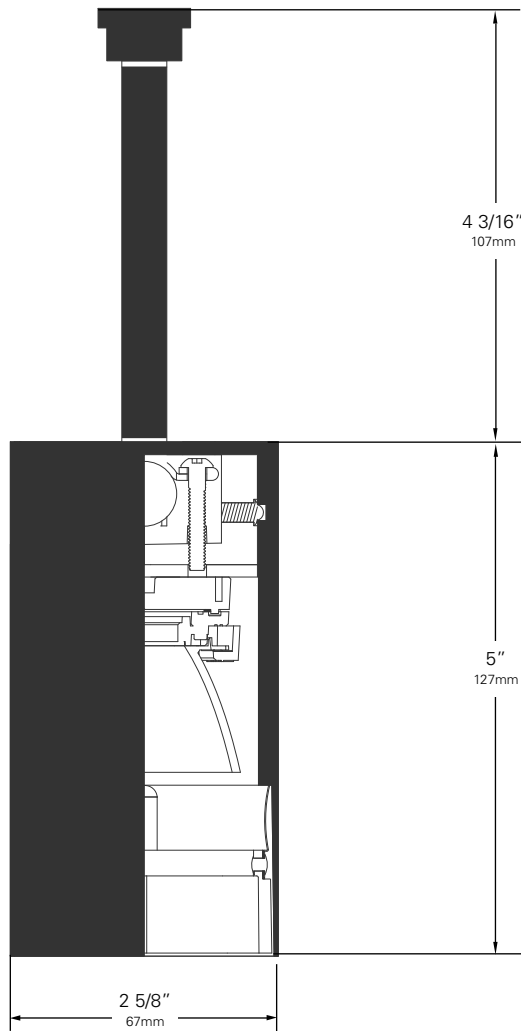
Canopy for permanent mounting on standard 4" octagonal junction boxes. (2-1/8" deep)



Other Options (Consult Factory):

- Custom stems, specify length (4" – 48")
- Custom color, RAL palette
- Security/Worklite Fixture, use **—EF** as mounting option. (track mount only)

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ORDERING INFORMATION

Dim to Warm Fixture

1. Choose the desired LED Module
(D09) for Dim to Warm
2. Choose the letter code to designate the desired LED Rating
Lumens/CRI/Wattage (10-92) for 1000/92/14
3. Choose the numeric code to designate the desired
Color Temperature (DW) for 3000K to 2000K
4. Use the following alpha-numeric code to designate the **Optic**
(P1) for 50mm/16°
(P2) for 50mm/24°
(P4) for 50mm/40°
5. Select your **Mounting Option**
(0E) Track Fitting
(5E) Canopy Fitting
6. Choose the letter code for **Dimming Type**
(TE) Trailing Edge (ELV Reverse Phase) (10%)
7. Choose the desired **Voltage: (120)** for 120V
8. Choose a **Finish** for your fixture:
Black **(B)** White **(W)** Silver **(S)**
Example:
LX2038 - D09 10-92 DW P1 - 0E - TE 120 B
FIXTURE LED MODULE LED RATING CCT OPTIC FITTING DIMMING VOLTAGE FINISH
9. Don't forget your Accessories!

Chromaticity Specifications

LED	R _a -CRI	R _f -Fidelity	R _g -Gamut Area
D09	92	93	104

ACCESSORIES

Other accessories:

- **LX-P16-REF-CLR (50mm/16°)**
- **LX-P24-REF-CLR (50mm/24°)**
- **LX-P40-REF-CLR (50mm/40°)**
- **Cross Baffle LX2030**
- **Louver Hex AAA**
- **Spread Lenses AAA990, AAA992, AAA995, AAA996**
- **Beam Softener AAA998**
- **Light Blocking Screens AAA801S, AAA802S, AAA803S**
- **Spread Gels AAA**
- **Backer Ring AAAB**

LUMELX® 2038 SERIES • DIM TO WARM PERFORMANCE

The performance characteristics of the Dim to Warm LumeLEX family of products can be customized based on the optic (reflector) selected.

The behavior of the Dim to Warm modules links the color of the light to the dimmed output of the fixture just like a halogen or incandescent source. Therefore the four characteristics defining the color - the color rendering index (CRI), the correlated color temperature (CCT) range, the power that it uses (watts), and its "available lumens" are all linked to the dim setting. Note that available lumens is a theoretical value that represents the light output of the module on its own – no fixture or optic attached. Also note that the CRI of this fixture is a minimum of 92 at any dimming setting.

In the LSI part number, the LED module is specified with a letter and a number that immediately follow the product series number. For example, in the part number LX2038-D0910-92DWP1-0E-TE120B, the "D0910-92DW" represents a Dim to Warm LED module with an output of 1000 lumens, a CRI of 92, a power usage of 14 watts and a color temperature range of 3000K – 2000K that is tied to the dimming setting.

The available optics (reflectors) are characterized by size, beam angle, and in some cases the characteristics of the field angle (narrow or wide). The optic is specified by the two characters that follow the LED designation in the part number. For example, the "P1" in LX2038-D0910-92DWP1-0E-TE120B is a 50mm diameter optic that has a 16-Degree beam.

Additional parameters, such as Center Beam Candle Power (CBCP), Delivered Lumens, and Efficiency (Lumens per Watt) are all shown in a table that is organized by LED module and optic combination

CBCP = Center Beam Candle Power			
LED Rating	Optic (Reflector)		
Lumens/CRI/Wattage	W2	W4	W5
1000/92/14	6210	3070	1530

Delivered Lumens			
LED Rating	Optic (Reflector)		
Lumens/CRI/Wattage	W2	W4	W5
1000/92/14	560	580	570

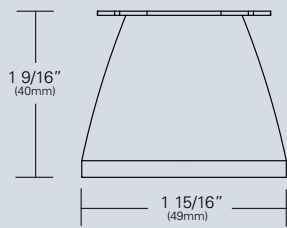
Efficiency = Lumens Per Watt			
LED Rating	Optic (Reflector)		
Lumens/CRI/Wattage	W2	W4	W5
1000/92/14	47	48	47

Absolute range of values are +/- 10% of typical value, and are for all color temperatures

LED Rating Lumens/CRI/Wattage SKU Code	1000/92/14 10-92
Nominal Fixture Power (+/- 20%), Watts	14
Maximum Inrush Current Amps	10
Minimum Power Factor	0.92

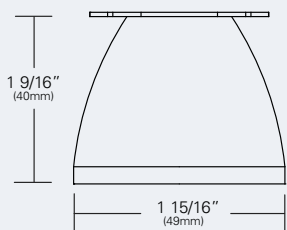
Inrush current is instantaneous current drawn by the LED only when fixture is initially powered on or instantaneously changed from full dim to full bright. For more details see Dimming Application Sheet, IS-0119.

LUMELX[®] 2038 SERIES • DIM TO WARM 9MM OPTICS



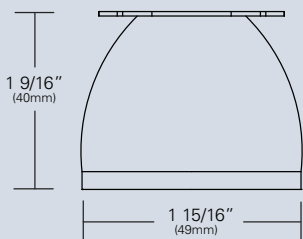
LX-P16-REF-CLR (P1) (50mm/16°)

Faceted specular metal optic.
Tool-less twist and lock
installation. Clear finish.



LX-P24-REF-CLR (P2) (50mm/24°)

Faceted specular metal optic.
Tool-less twist and lock
installation. Clear finish.



LX-P40-REF-CLR (P4) (50mm/40°)

Faceted specular metal optic.
Tool-less twist and lock
installation. Clear finish.

LUMELX® 2038 SERIES • DIM TO WARM PHOTOMETRIC DATA

LED RATING: 10-92

P1-50mm DIA Optic

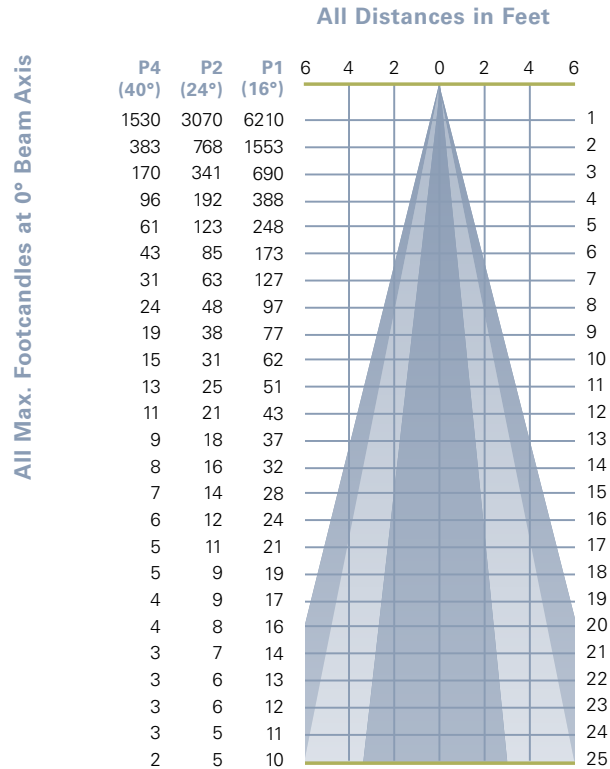
Beam Spread (minimum) **16°**
 Center Beam Candlepower **6210**
 CRI **92**

P2-50mm DIA Optic

Beam Spread (minimum) **24°**
 Center Beam Candlepower **3070**
 CRI **92**

P4-50mm DIA Optic

Beam Spread (minimum) **40°**
 Center Beam Candlepower **1530**
 CRI **92**



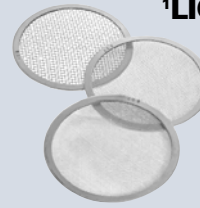
Photometric Data based on LED Rating: 10-92 (1000 Lumens/92CRI/14watts)

LUMELX 2038 • ACCESSORIES



SPREAD LENSES AND BEAM SOFTENER

No.	Description	% of Light Transmission
AAA990	Spread Lens/Clear	83 (5°X 50°)
AAA992	Spread Lens/Clear	85 (5°X 30°)
AAA995	Spread Lens/Clear	83 (50°X 50°)
AAA996	Spread Lens/Clear	86 (45°X 50°)
AAA998	Beam Softener/Clear	80 (45°X 45°)



1' LIGHT BLOCKING SCREENS AAA

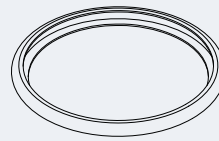
Stainless steel mesh screens used alone or in combinations will block from approximately 20% to 90% of the transmitted light without changing color temperature of the light.

No.	% of Light Blocked
AAA801S	20
AAA802S	30
AAA803S	40



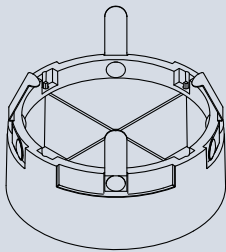
LOUVER HEX AAA

1/8" thick Hexcell black metal louver used for thin profile.



BACKER RING AAA

Stainless steel ring to hold thin film gels when no other size AAA accessories are being used.



CROSS BAFFLE LX2030

Controls spill light and glare. Black finish.

1. Figures vary based upon LED module/optic being used and relationship of screen(s) to LED module/optic and to each other.

LUMeLEX[®] 2038 SERIES • GELS

As the foremost innovator in accent lighting, LSI offers a complete range of pre-cut Gels to modify the spread and color of light for the LumeLEX LED Series.



LumeLEX[®] SPREAD GELS

Size: AAA	Spread Gel
GELL1-AAA	1° Spread Gel
GELL5-AAA	5° Spread Gel
GELL10-AAA	10° Spread Gel
GELL20-AAA	20° Spread Gel
GELL30-AAA	30° Spread Gel
GELL40-AAA	40° Spread Gel
GELL60-AAA	60° Spread Gel
GELL80-AAA	80° Spread Gel
GELL30B5-AAA	30° by 5° Spread Gel
GELL40B2-AAA	40° by 0.2° Spread Gel
GELL60B1-AAA	60° by 1° Spread Gel
GELL60B10-AAA	60° by 10° Spread Gel
GELL75B45-AAA	75° by 45° Spread Gel
GELL90B60-AAA	90° by 60° Spread Gel
GELR101-AAA	Beam Softener

*Backer Ring "AAA" required when no other "AAA" Accessories are being used.