

LX2030 • 120/277V • LED • DIM TO WARM • CONTROLTrack COMPATIBLE



Shown with optional
Cross Baffle accessory

These LED Cylinder units offer high functionality in LSI's smallest, sleekest package.

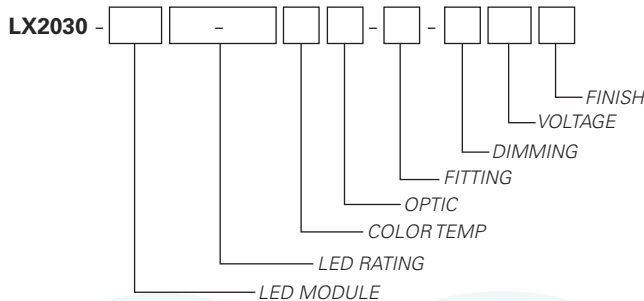
- Designed for a Dim to Warm module up to 14 Watts
- System efficiency up to 48 lumens/watt
- 36,000 hour life to 70% lumen output, L70 at 95°F max ambient
- Halogen mimicking color from 3000K to 2000K
- Field interchangeable optics (16°, 24°, or 40°) modify the beam spread distribution
- Color Rendering 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
- 0-10V dimming allows for 2 zones of control on one circuit CONTROLTrack down to 10%, with convenient zone selection switch
- Accessory holder accepts up to two size-AAA LSI filters and accessories
- Optional Cross Baffle Accessory Holder available
- Sturdy die-cast aluminum housing
- No UV or IR emissions; no mercury or lead
- Self and wrench locking stem for horizontal and vertical focusing
- On/off safety switch (on CONTROLTrack fitting)
- Finishes: LSI Black, White, and Silver
- Fixture weight: 2 lbs
- All modules are field replaceable

FIXTURE PART NUMBERS

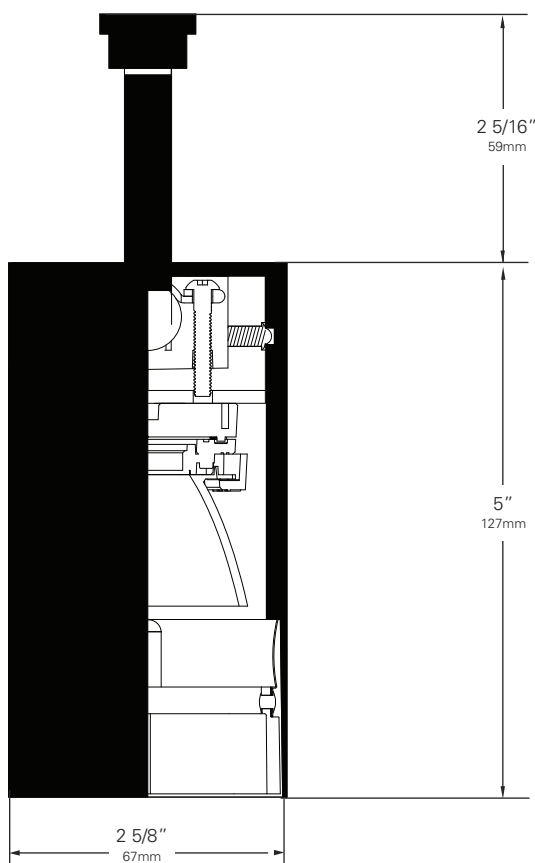
Please review the **ORDERING INFORMATION** section on the next page as well as the **MOUNTING OPTIONS** on page 3 to create a part number for each fixture that specifies the following:

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

PART NUMBER



Example Part Number: **LX2030-D0910-92DWP1-CT2-10120W** is a fixture with a Dim to Warm LED module, 1000 Lumen/92 CRI/14 Watt LED rating, 3000° - 2000°K Color Temperature, 50mm 16° Color Mixing Optic, CT2 CONTROL Track fitting 0-10V compatible control gear, 120V and a White finish.

LX2030 • 120/277V • LED • DIM TO WARM • CONTROLTrack COMPATIBLE**DIM TO WARM FIXTURE
ORDERING INFORMATION
(EXTERNAL SYSTEM DIMMING)****Base Fixture Model**

LX2030-D09 (Dim to Warm)

LED Rating (Lumens/CRI/Wattage)

10-92 = 1000/92/14

Color Temperature

DW= 3000K to 2000K

Optic

P1 = 50mm/ 16° Color Mixing

P2 = 50mm/ 24° Color Mixing

P4 = 50mm/ 40° Color Mixing

Fitting/Controls (Dimming)

CT2-10 = Track Fitting & 0-10V (10%)

Voltage

120 = 120V 230 = 220-240V 277 = 277V

Finish

B = Black W = White S = Silver

Example Part Number:

LX2030-D09 **10-92** **DW** **P1** - **CT2-10** **120** **W**

FIXTURE MODEL LED RATING COLOR TEMP OPTIC FITTING/DIMMING VOLTAGE FINISH

Other Options (Consult Factory):

- Custom Stems, specify length (4" - 48")
- Custom Finish, RAL palette

Chromaticity Specifications

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

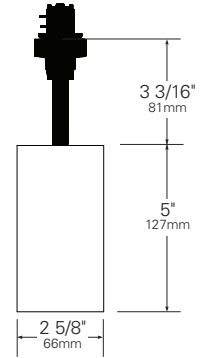
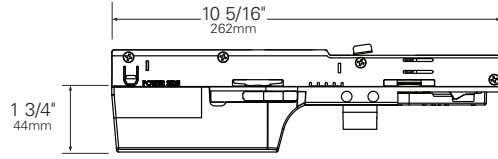
LX2030 • MOUNTING OPTIONS

FITTING

SIDE VIEW

STEM LENGTH VIEW

CT2 CONTROLTrack Fitting



LX2030 • 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 LX2030-D0910-92DWP1-CT2-10120B, 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 LX2030-D0910-92DWP1-CT2-10120B 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 | P1 | P2 | P4 |
| 1000/92/14 | 6210 | 3070 | 1530 |

| Delivered Lumens | | | |
|--------------------|-------------------|-----|-----|
| LED Rating | Optic (Reflector) | | |
| Lumens/CRI/Wattage | P1 | P2 | P4 |
| 1000/92/14 | 560 | 580 | 570 |

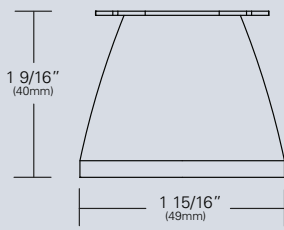
| Efficiency = Lumens Per Watt | | | |
|------------------------------|-------------------|----|----|
| LED Rating | Optic (Reflector) | | |
| Lumens/CRI/Wattage | P1 | P2 | P4 |
| 1000/92/14 | 47 | 48 | 47 |

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 |

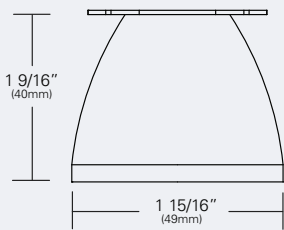
Inrush current is instantaneous current drawn by the LED only when fixture is initially powered on or instantaneously changed from full dim to full bright. For more details see Dimming Application Sheet, IS-0119.

LX2030 • OPTICS



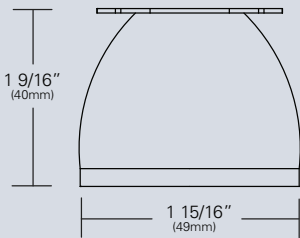
LX-P16-REF-CLR (P1) (50mm/16°)

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



LX-P24-REF-CLR (P2) (50mm/24°)

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



LX-P40-REF-CLR (P4) (50mm/40°)

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

LX2030 • PHOTOMETRIC DATA

LED RATING: 10-92

P1-50mm DIA Optic

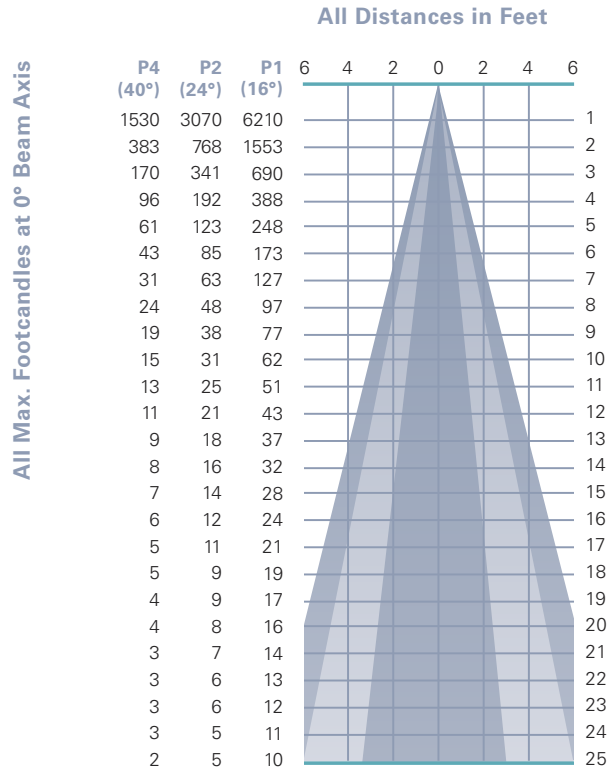
Beam Spread (minimum) **16°**
 Center Beam Candlepower **6210**
 CRI **92**

P2-50mm DIA Optic

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

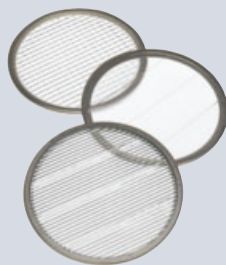
P4-50mm DIA Optic

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



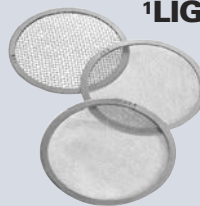
Photometric Data based on LED Rating: 10-92 (1000 Lumens/92CRI/14watts)

LX2030 • 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°) |



¹LIGHT BLOCKING SCREENS AAA

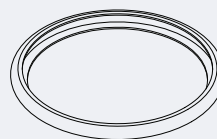
Stainless steel mesh screens used alone or in combinations will block from approximately 20% to 90% of the transmitted light without changing color temperature of the light.

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



LOUVER HEX AAA

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



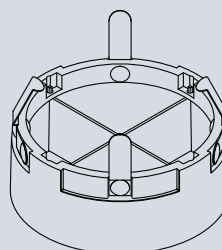
BACKER RING AAAB

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



LX2031FR WALL WASH CYLINDER HOUSING

which includes slash front, accessory cartridge, spread gel (75° x 45°) and kicker reflector (for use with 40° optic only).



CROSS BAFFLE LX2030

Controls spill light and glare. Capable of holding up to (2) additional AAA-size accessories. 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.

LX2030 • 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 (FOR LumeLEX® 2030 ONLY)

| Size: AA (76 mm diameter) | Spread Gel |
|------------------------------|------------------------|
| GEL-L1- AAA | 1° Spread Gel |
| GEL-L5- AAA | 5° Spread Gel |
| GEL-L10- AAA | 10° Spread Gel |
| GEL-L20- AAA | 20° Spread Gel |
| GEL-L30- AAA | 30° Spread Gel |
| GEL-L40- AAA | 40° Spread Gel |
| GEL-L60- AAA | 60° Spread Gel |
| GEL-L80- AAA | 80° Spread Gel |
| GEL-L30B5- AAA | 30° by 5° Spread Gel |
| GEL-L40B2- AAA | 40° by 0.2° Spread Gel |
| GEL-L60B1- AAA | 60° by 1° Spread Gel |
| GEL-L60B10- AAA | 60° by 10° Spread Gel |
| GEL-L75B45- AAA | 75° by 45° Spread Gel |
| GEL-L90B60- AAA | 90° by 60° Spread Gel |
| GEL-R101- AAA | Beam Softener |

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