LX2044 · 120/277V · LED · COB · CONTROLTrack COMPATIBLE

Elegant fixture designed specifically for the most demanding architecture applications.
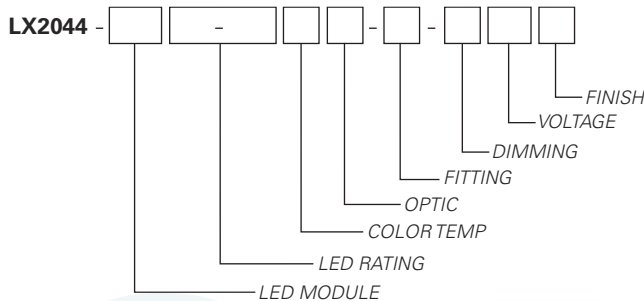
- 4° optic produces 70000 CBCP with 810 lumens at 13 watts
- System efficiency up to 25 lumens/watt
- Exceeds ANSI specifications by maintaining extremely tight color consistency over the life of the fixture
- Tested to LM79 and LM80 Protocols
- 50,000 hour life to 70% lumen output, L70 at 95°F max ambient
- 0-10V dimming allows for 2 zones of control on one circuit CONTROLTrack down to 0.1%, with convenient zone selection switch
- DMX compatible with dimming below 1%
- Lutron EcoSystem compatible with dimming to 0.1% (Lutron Hi-Lume Premier 0.1% EcoSystem LED Driver)
- Lutron EcoSystem features soft-on, fade to black, smooth flicker-free dimming from 0-100% (Meets IEEE 1789 for flicker)
- Color Rendering Index (CRI) 90+
- Color Fidelity Index (R_f) 92
- Gamut Area Index (R_g) 102
- Color consistency, 2 MacAdam ellipses
- Accessory holder accepts up to two size-AA LSI accessories
- Backer Ring AAB (included) holds gel media when no other size AA accessory is being used
- No UV or IR emissions; no mercury or lead
- On/off safety switch (on CONTROLTrack fitting)
- Sturdy die-cast aluminum housing
- Self and wrench locking stem for vertical and horizontal focusing
- Finishes: LSI Black, White, and Silver
- Fixture weight: 3.5 lbs

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:
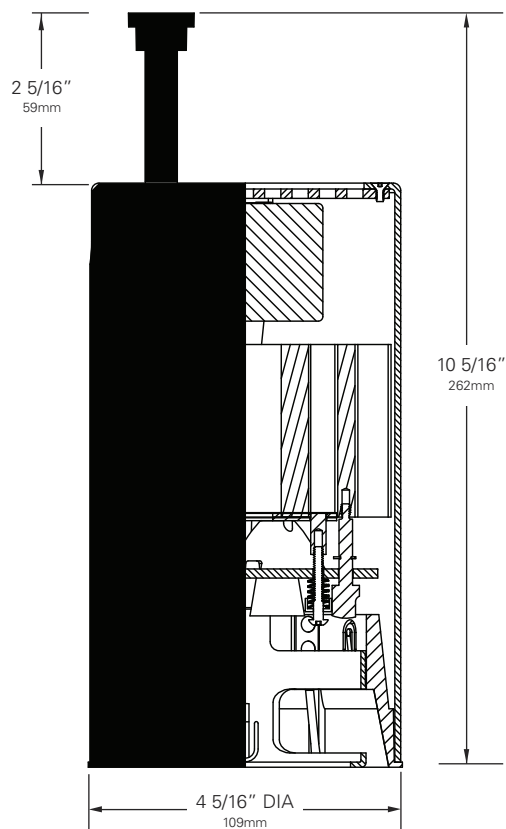
- LED Module
- LED Rating
- Color Temperature
- Optic (mm/beam spread)
- Fitting/Controls (Dimming)
- Voltage
- Finish

PART NUMBER

LX2044 – ☐ ☐ – ☐☐ – ☐ – ☐☐ ☐

- FINISH
- VOLTAGE
- DIMMING
- FITTING
- OPTIC
- COLOR TEMP
- LED RATING
- LED MODULE

Example Part Number: **LX2044-ZE308-903004-CT3-DX-120W** is a fixture with a ZE3 LED module, 810 Lumen/90 CRI/13 Watt LED rating, 3000°K Color Temperature, 4° Optic, CT3 CONTROLTrack fitting with DMX Address knobs and DMX compatible control gear, 120V and a White finish.

LX2044 • 120/277V • COB • CONTROLTrack COMPATIBLE

2 5/16″
59mm

10 5/16″
262mm

4 5/16″ DIA
109mm

COB ORDERING INFORMATION

Base Fixture Model
☐ LX2044-ZE3 (3X Array)

LED Rating (Lumens/CRI/Wattage)
☐ 08-90 = 810/90/13

Color Temperature
☐ 27= 2700K   ☐ 30= 3000K
☐ 35= 3500K   ☐ 40= 4000K

Optic
☐ 04 = 35mm/ 4°

Fitting/Controls (Dimming)
☐ CT1-10 = CONTROLTrack Fitting & 0-10V (0.1%)
☐ CT3-DX = CONTROLTrack Fitting & DMX (<1%)

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

Finish
☐ B = Black   ☐ W = White   ☐ S = Silver

Example Part Number:

LX2044-ZE3	**08-90**	**30**	**04**	–	**CT3-DX**	**120**	**W**
FIXTURE MODEL	LED RATING	COLOR TEMP	OPTIC		FITTING	VOLTAGE DIMMING	FINISH

Other Options (Consult Factory):
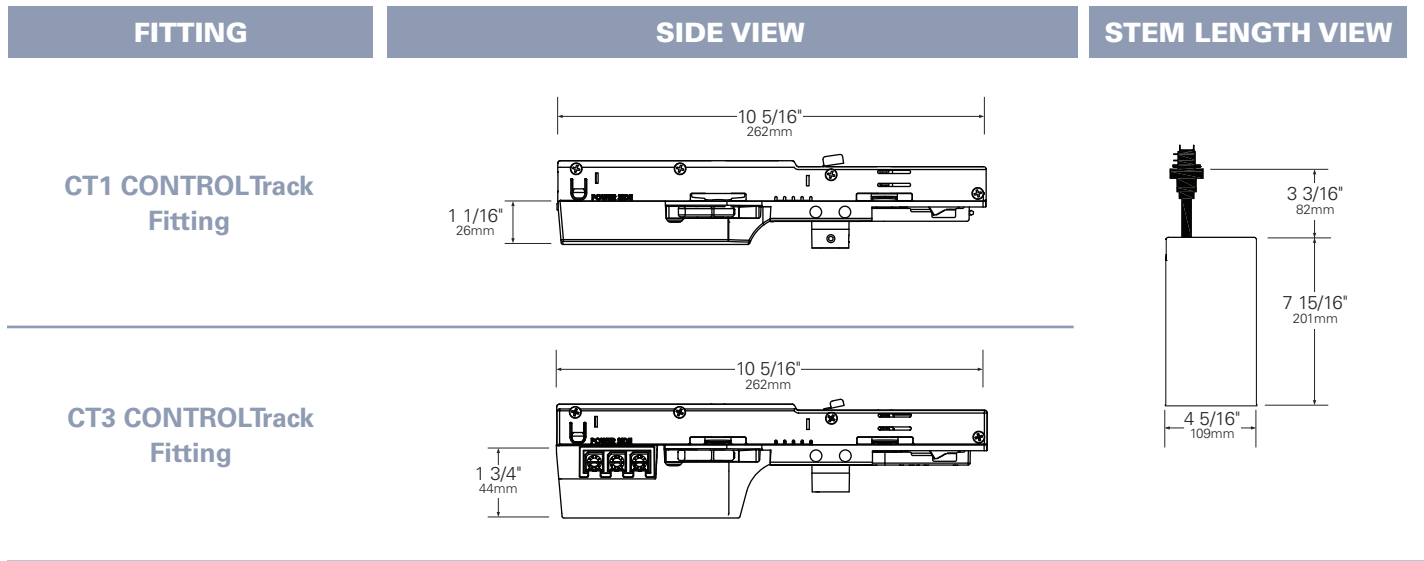- Custom Stems, specify length (4″- 48″)
- Custom color, RAL palette

Color Temperature & Center Point Tolerance

Color Temp	Center Point	Tolerance
2700K	2700K	+/- 40K
3000K	2950K	+/- 50K
3500K	3420K	+/- 60K
4000K	4000K	+/- 70K

Chromaticity Specifications

LED	R_a - CRI	R_f - Fidelity	R_g - Gamut Area
ZE3	90	92	102

LX2044 • MOUNTING OPTIONS

FITTING	SIDE VIEW	STEM LENGTH VIEW
CT1 CONTROLTrack Fitting	10 5/16" 262mm / 1 1/16" 26mm	3 3/16" 82mm / 7 15/16" 201mm / 4 5/16" 109mm
CT3 CONTROLTrack Fitting	10 5/16" 262mm / 1 3/4" 44mm	

LX2044 • PERFORMANCE

The performance characteristics of the LumeLEX family of products can be customized based on the LED module and the optic selected.

Each available LED module is defined by five characteristics – the color rendering index (CRI), the correlated color temperature (CCT), the power that it uses (watts), its "available lumens," and beam spread. Note that available lumens is a theoretical value that represents the light output of the module on its own – no fixture or optic attached.

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 LX2044-ZE308-903004-00-TE120W, the "**ZE308-903004**" represents an LED module with an output of 810 lumens, a CRI of 90, a power usage of 13 watts, a color temperature of 3000K, and a 4-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 Module	Optic (Reflector)
Lumens/CRI/Wattage	**04**
810/90/13	70,000

Delivered Lumens

LED Module	Optic (Reflector)
Lumens/CRI/Wattage	**04**
810/90/13	370

Efficiency = Lumens Per Watt

LED Module	Optic (Reflector)
Lumens/CRI/Wattage	**04**
810/90/13	28

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

LED Module **Lumens/CRI/Wattage Letter Code**	**810/90/13 08-90**
Nominal Fixture Power (+/- 20%), Watts	13
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.
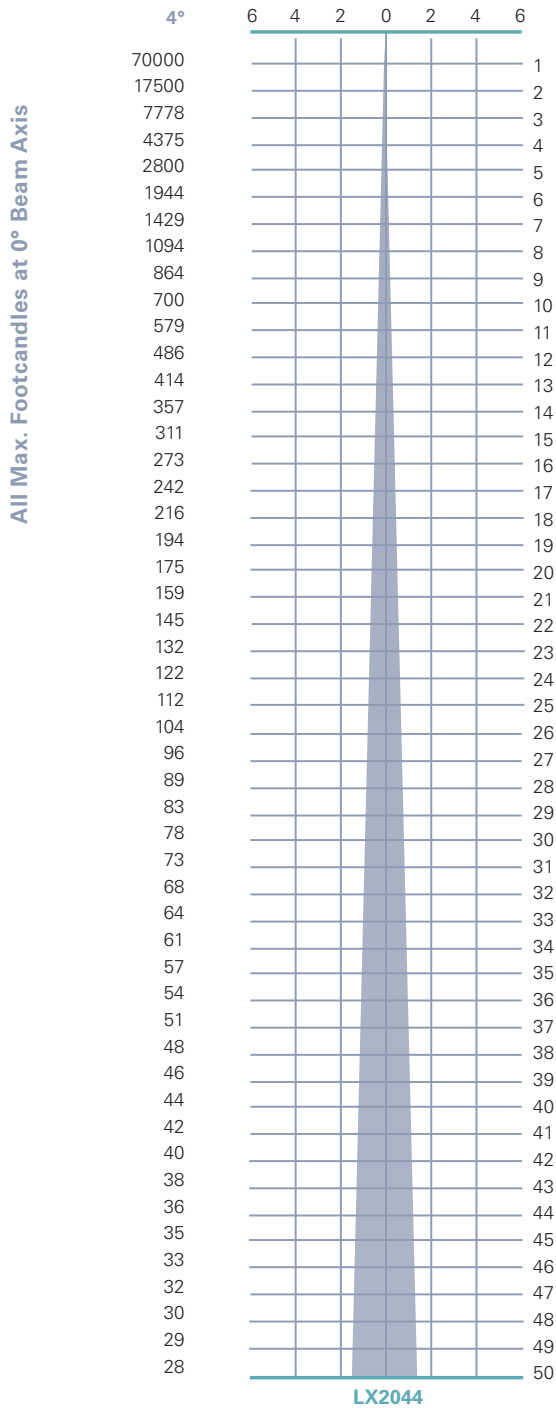
LX2044 • PHOTOMETRIC DATA

LED RATING: 08-90

Beam Spread (minimum)	**4°**
Center Beam Candlepower	**70,000**
CRI	**90+**

LED RATING: 08-90

4°

All Distances in Feet

All Max. Footcandles at 0° Beam Axis

4°		Feet
70000		1
17500		2
7778		3
4375		4
2800		5
1944		6
1429		7
1094		8
864		9
700		10
579		11
486		12
414		13
357		14
311		15
273		16
242		17
216		18
194		19
175		20
159		21
145		22
132		23
122		24
112		25
104		26
96		27
89		28
83		29
78		30
73		31
68		32
64		33
61		34
57		35
54		36
51		37
48		38
46		39
44		40
42		41
40		42
38		43
36		44
35		45
33		46
32		47
30		48
29		49
28		50

LX2044

Photometric Data based on LED Rating:
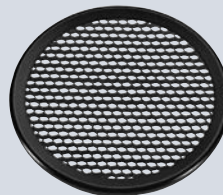08-90 (810 Lumens/90CRI/13watts)

LX2044 · ACCESSORIES

[1]LIGHT BLOCKING SCREENS AA

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.
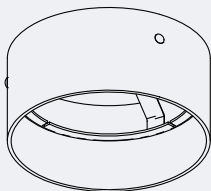
No.	% of Light Blocked
AA801S	20
AA802S	30
AA803S	40

LOUVER HEX AAB

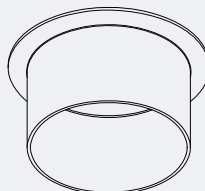1/8″ thick Hexcell black metal louver used for thin profile. Black finish.

HOOD-EXT-LX44-NXB-X

Externally mounted cylindrical metal hood controls spill light and glare. Does not include cross baffle.

Specify finish as follows:
HOOD-EXT-LX44-NXB-B (BLACK)
HOOD-EXT-LX44-NXB-W (WHITE)
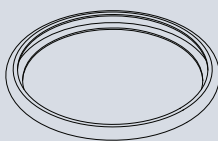HOOD-EXT-LX44-NXB-S (SILVER)

HOOD AAX

Internally mounted cylindrical metal hood controls spill light and glare.

Specify finish as follows:
HOOD AAB (BLACK)
HOOD AAW (WHITE)
HOOD AAS (SILVER)

BACKER RING AAB

Aluminum ring to hold gel when no other size AA accessories are being used. 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.

LX2044 • 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: AA (76 mm diameter)	Spread Gel
GEL–L1–AA	1° Spread Gel
GEL–L5–AA	5° Spread Gel
GEL–L10–AA	10° Spread Gel
GEL–L20–AA	20° Spread Gel
GEL–L30–AA	30° Spread Gel
GEL–L40–AA	40° Spread Gel
GEL–L60–AA	60° Spread Gel
GEL–L80–AA	80° Spread Gel
GEL–L30X5–AA	30° by 5° Spread Gel
GEL–L40X1–AA	40° by 1° Spread Gel
GEL–L60X1–AA	60° by 1° Spread Gel
GEL–L60X10–AA	60° by 10° Spread Gel
GEL–L75X45–AA	75° by 45° Spread Gel
GEL–L90X60–AA	90° by 60° Spread Gel
GEL–R101–AA	Beam Softener

LumeLEX® COLOR GELS

Size: AA (76 mm diameter)	Gel Color	% of Light Transmission	Size: AA (76 mm diameter)	Gel Color	% of Light Transmission
GEL–R2–AA	Bastard Amber	78	GEL–R312–AA	Canary	85
GEL–R7–AA	Pale Yellow	96	GEL–R331–AA	Shell Pink	68
GEL–R12–AA	Straw	88	GEL–R383–AA	Sapphire Blue	4
GEL–R13–AA	Straw Tint	78	GEL–R397–AA	Pale Grey	70
GEL–R14–AA	Medium Straw	68	GEL–R2001–AA	Storaro Red	12
GEL–R21–AA	Golden Amber	43	GEL–R2004–AA	Storaro Green	15
GEL–R25–AA	Orange Red	14	GEL–R2009–AA	Storaro Violet	3
GEL–R26–AA	Light Red	12	GEL–R3202–AA	Full Blue	36
GEL–R27–AA	Medium Red	4	GEL–R3204–AA	Half Blue	52
GEL–R57–AA	Lavender	24	GEL–R3206–AA	Third Blue	64
GEL–R62–AA	Booster Blue	54	GEL–R3216–AA	Eighth Blue (Boosts 3200K to 3300K)	81
GEL–R71–AA	Sea Blue	30	GEL–R3318–AA	Tough 1/8 Minusgreen	89
GEL–R72–AA	Azure Blue	44	GEL–R3410–AA	Roscosun (1/8 CTO) (Reduces 5500K to 4900K)	92
GEL–R91–AA	Primary Green	7	GEL–R3441–AA	Full Straw (CTS)	50
GEL–R97–AA	Light Grey	50	GEL–R3443–AA	Quarter Straw (CTS)	81
GEL–R98–AA	Medium Grey	25	GEL–R4330–AA	CalColor 30 Cyan	63
GEL–R101–AA	Light Frost	N/A	GEL–R4415–AA	CalColor 15 Green	67
GEL–R104–AA	Tough Silk	N/A	GEL–R4490–AA	CalColor 90 Green	25
GEL–R119–AA	Lt. Hamburg Frost	N/A	GEL–R4860–AA	CalColor 60 Pink	46
GEL–R121–AA	Blue Diffusion	N/A	GEL–R4890–AA	CalColor 90 Pink	38
GEL–R305–AA	Rose Gold	75	GEL–R4930–AA	CalColor 30 Lavender	47

* Backer Ring AAB required to hold gels when no other rimmed "AA" accesories are used.

LSI ROSCO GEL CCT CONVERSION CHART FROM 3000K			
Type	ROSCO #	ROSCO Description	Resulting CCT
Amber Filters Lower CCT	3420	Double CTO	1531
	3407	Sun CTO	1999
	3401	Sun 85	2154
	3411	Sun 3/4 CTO	2154
	3408	Sun 1/2 CTO	2414
	3409	Sun 1/4 CTO	2664
	3410	Sun 1/8 CTO	2830
	3114	UV Filter	2930
Blue Filters Raise CCT	3220	Double Blue	N/A
	3202	Full Blue	4942
	3203	Three-Quarter Blue	4286
	3204	Half Blue	3769
	3206	Third Blue	3517
	3208	Quarter Blue	3297
	3216	Eighth Blue	3112