

LUXCLARA™

COB LIGHTING
PREMIUM





DESCRIPTION

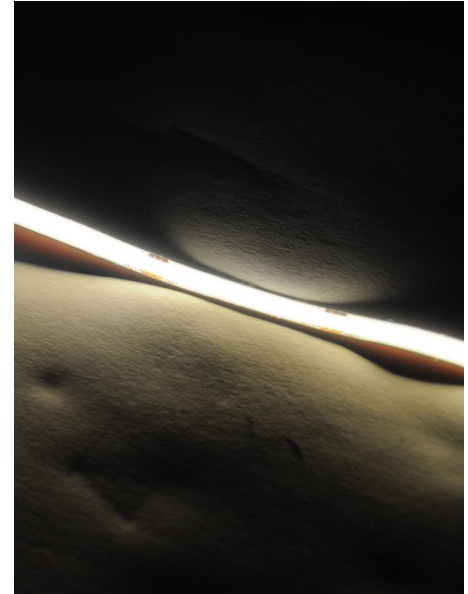
The LUXCLARA™ line is LEDCONN's Chip On Board (COB) product line. This advanced manufacturing technology features the LED chip directly bonded onto the flexible printed circuit board (FPCB). COB offers a more condensed design leading to reduction in the LED chip size, allowing the LED chips to be closely packed together, and provides a uniform light output. LUXCLARA Premium is ideal for hotspot-free illumination at the lowest dimming settings.

PRODUCT FEATURES

- Retains seamless look at lower dimming settings
- Continuous lighting effect ensures minimal to no hotspots
- High density LEDs providing continuous light output even in shallow mounting locations.
- Highly flexible design
- No aluminum profile/lens needed to create a continuous line of light
- Competitively priced diffused fixture
- Wide 180 degree beam angle for full coverage illumination.

PHOTOMETRICS

	CCT	EFFICACY	BEAM ANGLE	LUMINOUS FLUX	POWER	CRI
	3000K Warm White	85 lm/W	180°	259.1 lm/ft 850 lm/m	3 W/ft 10 W/m	90+
	4100K Neutral White	95 lm/W	180°	289.6 lm/ft 950 lm/m	3 W/ft 10 W/m	90+
	5300K Daylight	95 lm/W	180°	289.6 lm/ft 950 lm/m	3 W/ft 10 W/m	90+
	6500K Cool White	100 lm/W	180°	304.9 lm/ft 1000 lm/m	3 W/ft 10 W/m	90+



GENERAL

LED COUNT	146 pc/ft 480 pc/m
STRIP WIDTH	0.31" 8mm
STRIP HEIGHT	0.07" 1.8mm
FIELD CUTTABLE	12V 0.98" 25mm
	24V 1.97" 50mm
LOCATION	Indoor location
OPERATING TEMPERATURE	-4°F ~ +140°F -20°C ~ +60°C
AMBIENT TEMPERATURE	-4°F ~ +158°F -20°C ~ +70°C
OPERATING VOLTAGE	12/24VDC

CERTIFICATIONS



E477011



100% QC



LIMITED WARRANTY



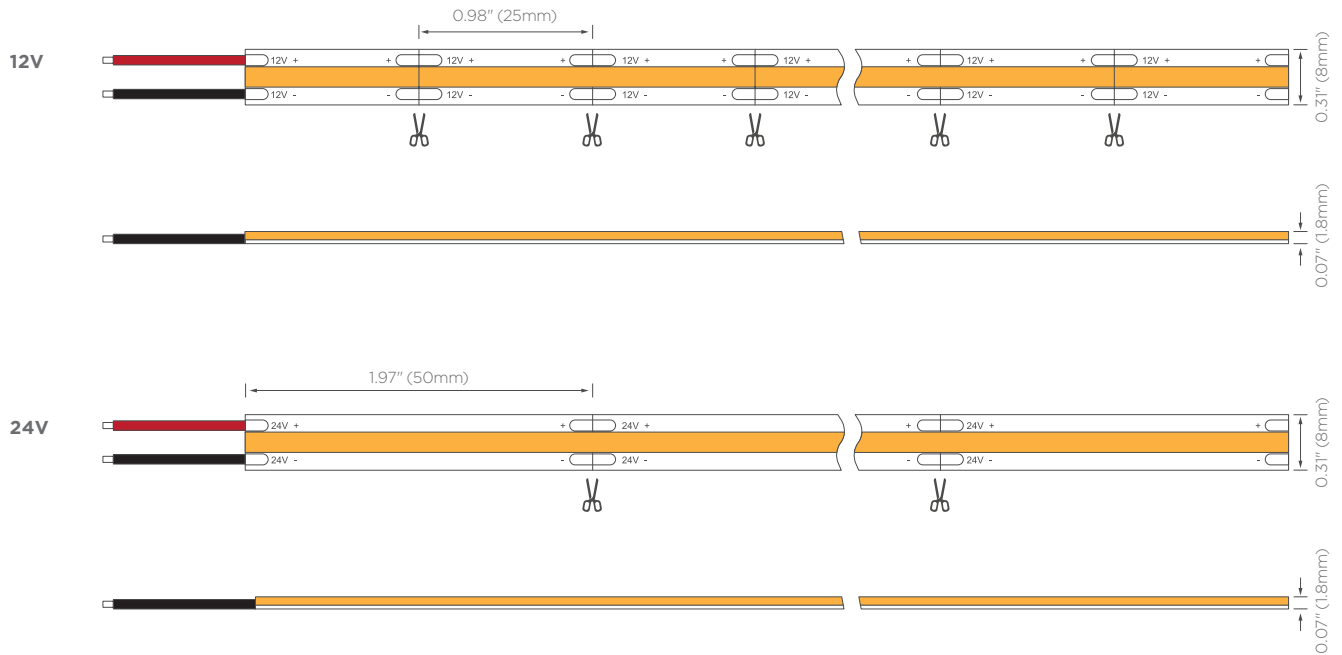
PROJECT NAME/NO.	PART NUMBER
SPECIFIED BY	NOTE

LUXCLARA™

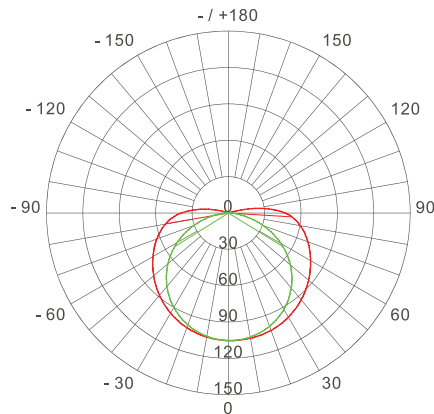
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DIMENSIONAL DRAWING



LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

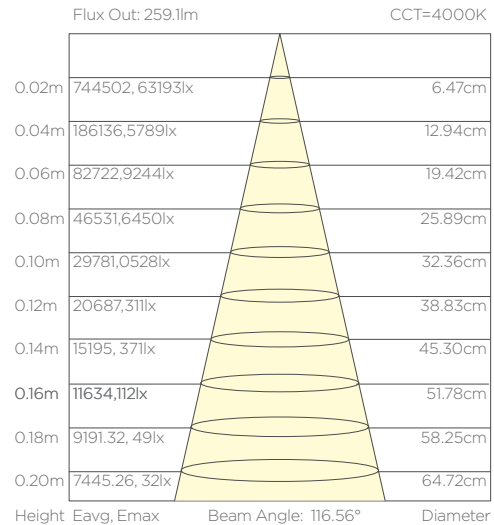


AVERAGE BEAM ANGLE(50%): 141.4°

UNIT cd
■ C 0 /180,166.5°
■ C 90/270,116.3°

Note: Above data tested with 4100K. Please consult sales rep for additional data.

- LED chip data based on IES LM-80-08.
- Photometric & Colorimetry data based on IES LM-79-08.



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DIMMING OPTIONS

- Pulse-width modulation dimming (PWM)
- 0-10V dimming
- Magnetic low voltage (MLV)

MOUNTING

- LUXCLARA is provided with peel & stick 3M self-adhesive backing for easy mounting.

MAX. LOAD & MAX LENGTH

MAX LOAD 60 W FOR 12V (FOR CLASS 2 COMPLIANCE)

# Power Supplies	Max. Length
1	19.6ft (6m)
2 (non dimmable)	39.3ft (12m)

MAX LOAD 96 W FOR 24V (FOR CLASS 2 COMPLIANCE)

# Power Supplies	Max. Length
1	31.4ft (9.6m)
2 (non dimmable)	62.9ft (19.2m)

- **Wire Size** 18 AWG 2 Wire
- **Max. No. of Wire Connections** 2

HOW TO ORDER

EXAMPLE

EXAMPLE	LUXCLARA™	12"	6500K	DIFFUSED	DC BARREL	HIGH DENSITY 480 LEDs/M
Y12WAB-480	Y	12	W	A	B	-480
	PRODUCT LINE	LENGTH	COLOR	DIFFUSED	POWER CONNECTION	LED DENSITY
BUILD IT!						

PRODUCT LINE

Y LUXCLARA™

LENGTH (IN INCHES)

LL LENGTH (VARIES)

COLOR (CCT)

W 6500K

V 5300K

Y 4100K

Z 3000K

C CUSTOM COLOR

DIFFUSED

A DIFFUSED

POWER CONNECTION TYPE

M MOLEX

B DC BARREL JACK

H HARDWIRE

C SPECIAL

LED DENSITY

-480 480 LEDs/m (HIGH DENSITY)

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SAFETY DISCLOSURES

- **Electric Code Compliance** Please make sure to install LUXCLARA in accordance with standard national and local electrical codes
- **Indoor Usage** LUXCLARA is suitable for indoor applications only.
- **Class 2 Compliance (for 12V)** When cutting your LUXCLARA COB lighting, keep in mind that Class 2 compliance restricts the max load of the product to 60W, which in turn prevents the maximum cut length from exceeding 19.6ft (6m) with a single power supply or 39.3ft (12m) with 2 power supplies. A fully Class 2 compliant 12V LUXCLARA lighting solution should never exceed these lengths and may only support up to 2 Class 2 power supplies at a time.
- **Class 2 Compliance (for 24V)** When cutting your LUXCLARA COB lighting, keep in mind that Class 2 compliance restricts the max load of the product to 96W, which in turn prevents the maximum cut length from exceeding 31.4ft (9.6m) with a single power supply or 62.9ft (19.2m) with 2 power supplies. A fully Class 2 compliant 24V LUXCLARA lighting solution should never exceed these lengths and may only support up to 2 Class 2 power supplies at a time.
- **Avoid Electrical Shock** Always disconnect the power supplies before installing or servicing to avoid electrical shock.
- **Actual Product Color May Vary** Please note that the product color as seen in this specification sheet, photography, and related marketing material for this product may vary slightly from your actual customized product due to photographic and design limitations.
- **Specifications are Subject to Change Without Notice** While we try to make every effort to inform customers of updates to our products, we reserve the right to make modifications and improvements to our fixture specifications and designs without advance notice.
- **Manufacturer is Not Liable for Matching Fixtures to Pre-Existing Fixture Installations** We cannot guarantee matching the CCT appearance, product design, or lumen output for pre-installed fixtures or reorders.

PROJECT NAME/NO.	PART NUMBER
SPECIFIED BY	NOTE