

LUXCLARA™

COB LIGHTING TUNABLE WHITE

DESCRIPTION

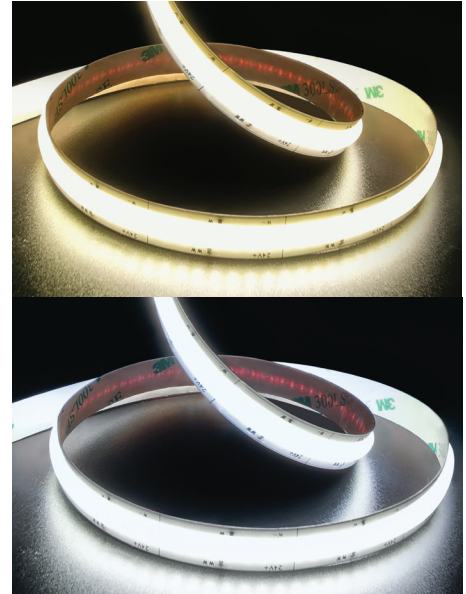
The LUXCLARA™ line is LEDCONN's Chip On Board (COB) product line. This advanced manufacturing technology features the LED chip directly bonded onto the flexible printed circuit board (FPCB). COB offers a more condensed design leading to reduction in the LED chip size, allowing the LED chips to be closely packed together, and provides a uniform light output. LUXCLARA Tunable White provides additional white color tuning flexibility for human-centric spaces.

PRODUCT FEATURES

- Wide color tuning range: 2700K-6500K
- 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
 2700K Warm Glow	64 lm/W	180°	216.5 lm/ft 710 lm/m	3 W/ft 10 W/m	90+
 6500K Cool White	88 lm/W	180°	306.4 lm/ft 1005 lm/m	3 W/ft 10 W/m	90+
 4000K Neutral White	73 lm/W	180°	520.1 lm/ft 1706 lm/m	6.1 W/ft 20 W/m	90+



GENERAL

LED COUNT	195 pc/ft 640 pc/m
STRIP WIDTH	0.39" 10mm
STRIP HEIGHT	0.07" 1.8mm
FIELD CUTTABLE	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	24VDC

CERTIFICATIONS



E477011



100% QC

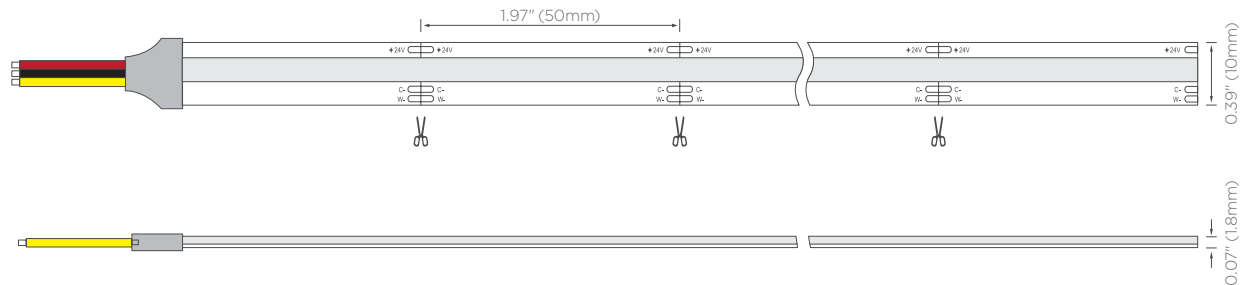
LIMITED
WARRANTY

PROJECT NAME/NO.	PART NUMBER
SPECIFIED BY	NOTE

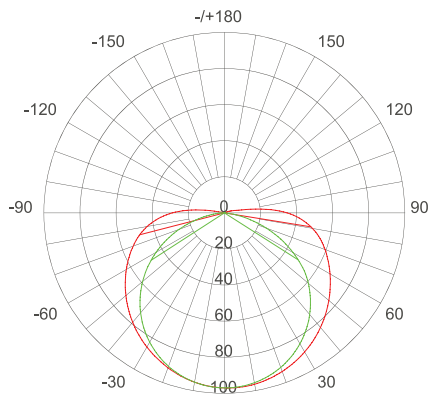
LUXCLARA™

COB LIGHTING TUNABLE WHITE

DIMENSIONAL DRAWING



LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



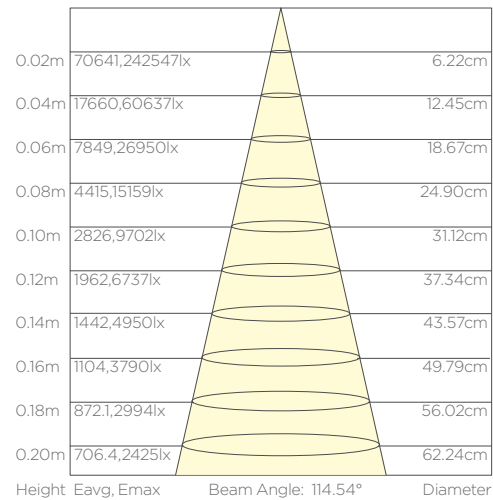
AVERAGE BEAM ANGLE(50%): 135.4°

UNIT: cd
 C 0 / 180, 156.3°
 C 90 / 270, 114.6°

Note: above data tested with 3000K, for other data, please consult sales rep.

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

Flux Out: 227.3lm CCT=3000K



COMPATIBLE CONTROLS

- Pulse-width modulation dimming (PWM)
- DMX Control

MOUNTING

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

MAX. LOAD & MAX LENGTH

MAX LOAD 96 W
 (FOR CLASS 2 COMPLIANCE)

# Power Supplies	Max. Length
1	15.7ft (4.8m)
2 (non dimmable)	31.4ft (9.6m)

- Wire Size 18 AWG 3 Wire
- Max. No. of Wire Connections 2

PROJECT NAME/NO.	PART NUMBER
SPECIFIED BY	NOTE

LUXCLARA™



COB LIGHTING TUNABLE WHITE

HOW TO ORDER

EXAMPLE



PRODUCT LINE

Y LUXCLARA™

LENGTH (IN INCHES)

LL LENGTH (VARIES)

COLOR (CCT)

A ADJUSTABLE WHITE
(2700K-6500K)

DIFFUSED

A DIFFUSED

POWER CONNECTION TYPE

P PIN CONNECTOR

M MOLEX

H HARDWIRE

C SPECIAL

LED DENSITY

-640 640 LEDS/m
(TUNABLE WHITE)

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** 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 15.7ft (4.8m) with a single power supply or 31.4ft (9.6m) with 2 power supplies. A fully Class 2 compliant LUXCLARA lighting solution should never exceed these lengths and may only support up to 2 Class 2 power supplies at a time.
- **Heat Sink** If the LED COB length exceeds 15 W/m power consumption, heat sinking is required for heat dissipation.
- **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