

LUXCLARA™



COB LIGHTING

RGB

DESCRIPTION

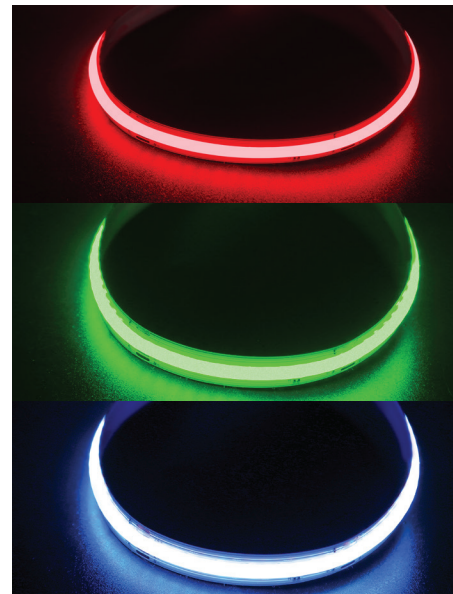
The LUXCLARA™ line is LEDCONN's Chip On Board (COB) product line. This advanced manufacturing technology features the LED chip directly bonded onto the flexible printed circuit board (FPCB). COB offers a more condensed design leading to reduction in the LED chip size, allowing the LED chips to be closely packed together, and provides a uniform light output. LUXCLARA RGB provides all the benefits of COB lighting for RGB color mixing applications.

PRODUCT FEATURES

- Greater color options with RGB tricolor color mixing
- 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
 Red 625nm		13 lm/W	180°	20.1 lm/ft 66 lm/m	1.5 W/ft 5 W/m
 Green 525nm		113 lm/W	180°	162.2 lm/ft 532 lm/m	1.5 W/ft 5 W/m
 Blue 465nm		17 lm/W	180°	23.8 lm/ft 78 lm/m	1.5 W/ft 5 W/m
 RGB Combined		40 lm/W	180°	175.6 lm/ft 576 lm/m	4.4 W/ft 14.4 W/m



GENERAL

LED COUNT	256 pc/ft 840 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



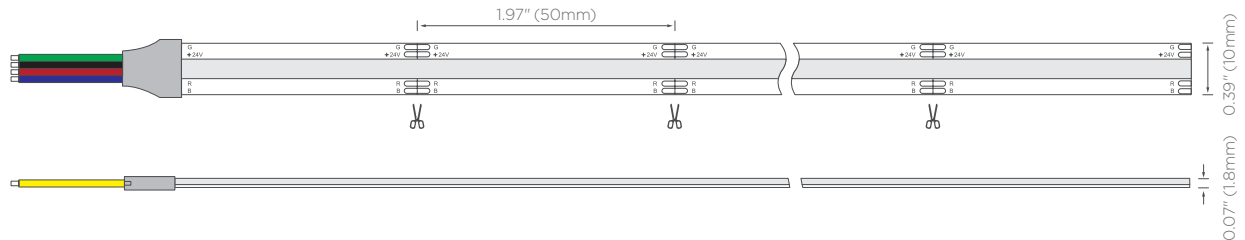
PROJECT NAME/NO.	PART NUMBER
SPECIFIED BY	NOTE

LUXCLARA™

COB LIGHTING RGB



DIMENSIONAL DRAWING



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	21.6ft (6.6m)
2 (non dimmable)	43.3ft (13.2m)

- **Wire Size** 18 AWG 4 Wire
- **Max. No. of Wire Connections** 2



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COB LIGHTING RGB

HOW TO ORDER

EXAMPLE

Y12TAP-840

LUXCLARA™

Y

PRODUCT
LINE

12"

12

LENGTH

RGB

T

COLOR

DIFFUSED

A

DIFFUSED

PIN
CONNECTOR

P

POWER
CONNECTIONRGB
840 LEDs/M

-840

LED
DENSITY

BUILD IT!

PRODUCT LINE

Y LUXCLARA™

LENGTH (IN INCHES)

LL LENGTH (VARIES)

COLOR

T TRICOLOR

DIFFUSED

A DIFFUSED

POWER CONNECTION TYPE

P PIN CONNECTOR

M MOLEX

H HARDWIRE

C SPECIAL

LED DENSITY

-840 840 LEDs/m (RGB)

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 21.6ft (6.6m) with a single power supply or 43.3ft (13.2m) 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.
- **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.

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