iO LED

DESCRIPTION

Raye Generation 2 (G2) is a high performance cove luminaire. Available with either a 2" x 6" or a 3" x 3" housing. Raye utilizes the highest efficacy LEDs and tightest Binning (3-step MacAdam). While exceeding alternatives, Raye's optical assembly has been designed to uniformly illuminate the interior surfaces of the cove while offering a very precise asymmetric beam projection.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Construction

Raye's wireway housing is die formed 20 gauge prime cold rolled steel. The wireway is 17.15" in length for both the 18"& 72" fixtures. Knockouts are provided for ½" conduit fittings. Wiring components and Drivers are mounted to a one piece back housing, permitting removal of the cover for ease of maintenance. An anodized aluminum channel which houses the LED tray and optic is mechanically fastened to a metal channel that runs the length of the fixture.

Electrical

All fixtures are pre-wired and pre-assembled for easy installation. Electronic drivers (universal power supplies, 120-277v) are integral within the sheet metal wire way housing for both the 18" and 72" units.

LED Optics

Raye G2™ is available with three lumen outputs for white light only. All values listed below represent initial lumens. LM79 IES format files are available on the Cooper Lighting Solutions website. Raye delivers high quality white light solutions with 3-step Binning. 80 +CRI is standard.

Mounting

Raye G2™ is designed to be surface mounted within an architectural cove for indirect illumination. For a uniform distribution (with no socket shadows) light fixtures should be mounted end-to-end.

Finish

White powder coat paint finish is standard.

Compliance

UL listed for dry Location. RoHS compliant. Tested per IESNA LM79. LEDs comply with LM80 standards.

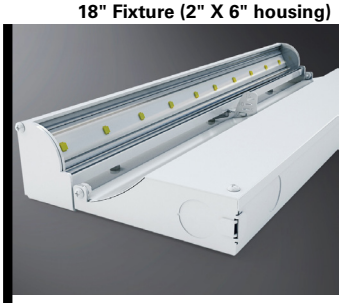
Environment

Raye G2™ is design for dry locations. It is not rated for wet or submersible applications.

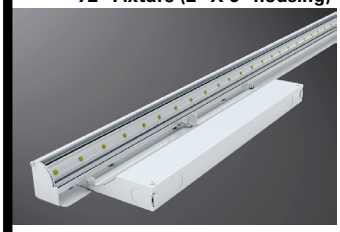
Warranty

Standard 5 year limited warranty on all parts.

18" Fixture (2" X 6" housing)



72" Fixture (2" X 6" housing)



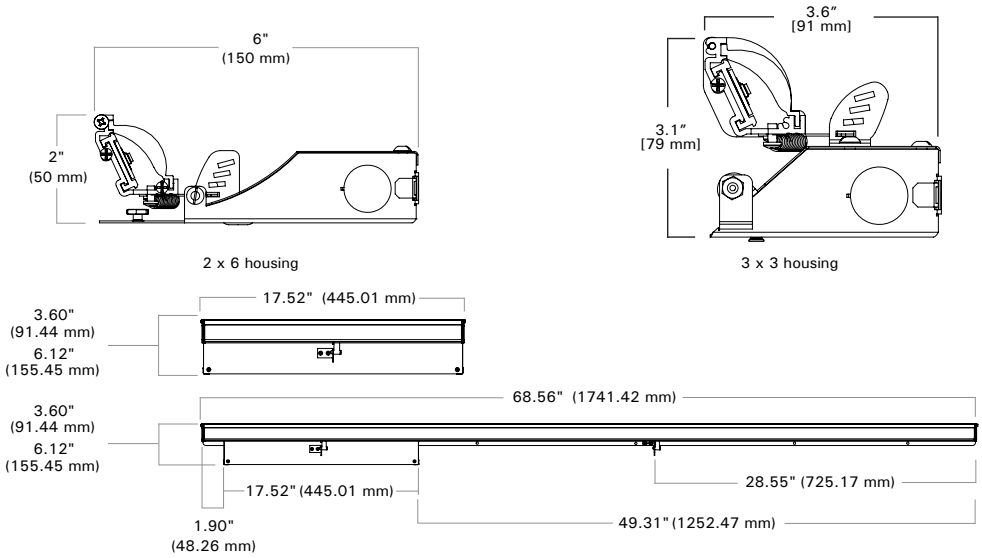
Raye G2

LED

INTERIOR
LINEAR ACCENT LUMINAIRE

cULus Dry - 1598
LM79/LM80 Compliant
ROHS Compliant

DIMENSIONS



ORDERING INFORMATION

SAMPLE NUMBER 0.08-06W-830-C26-W-STD-1F6

Series	Light Level [1] / Power (nominal for 12" section)	LED CRI & CCT	Mounting	Finish	Voltage/Dimming [2]	Length (Actual in./mm)
0.08 = raye Gen 2	**06W** = 488 lumens/ft (6.6W/ft) **09W** = 585 lumens/ft (9.4W/ft) **12W** = 850 lumens/ft (12.1W/ft)	**827** = 80+ CRI, 2700K CCT **830** = 80+ CRI, 3000K CCT **835** = 80+ CRI, 3500K CCT **840** = 80+ CRI, 4000K CCT	**C26** = Cove 2" x 6" **C33** = Cove 3" x 3"	**W** = White	**STD** = 0-10V (Osram) 100% - 10% Dimming **HCD** = 0-10V (Osram) 100% - 0% Dimming **5LT** = DALI (Osram) **DMX** = DMX (Osram)	**1F6** = 18" (17.97"/456.43mm) **6F0** = 72" (68.97"/1751.83mm)

See page 2 for Technical Notes.

Cooper Lighting Solutions
18001 East Colfax Avenue
Aurora, CO 80011
P: 303-393-1522
www.cooperlighting.com

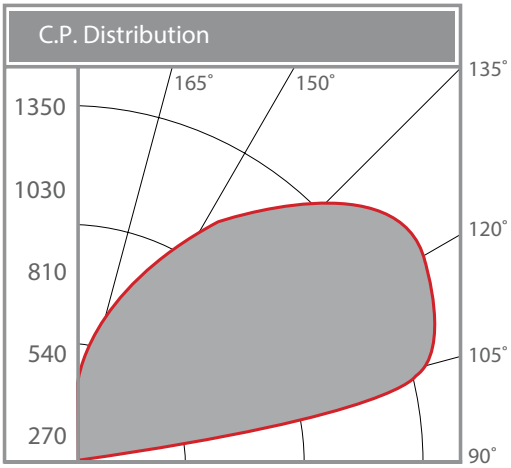
Specifications and dimensions subject to change without notice.
See additional information on the following pages.

LIGHT OUTPUT CONVERSION TABLE [1]

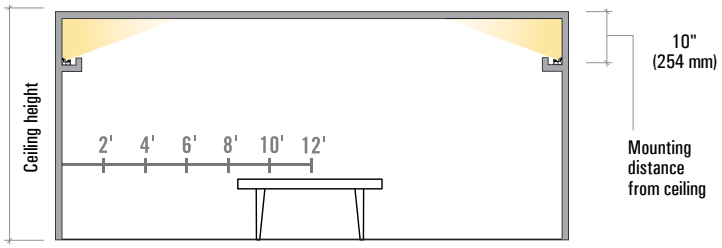
	Standard Output	High Output	Very High Output	V2HO
2700K	0.44	0.72	0.95	1.40
3000K	0.47	0.75	1.00	1.47
3500K	0.48	0.77	1.03	1.51
4000K	0.47	0.75	1.00	1.47

Visit the Cooper Lighting Solutions website or contact and iO representative for IES format photometrics.

LIGHT OUTPUT / DISTRIBUTION



SURFACE ILLUMINATION



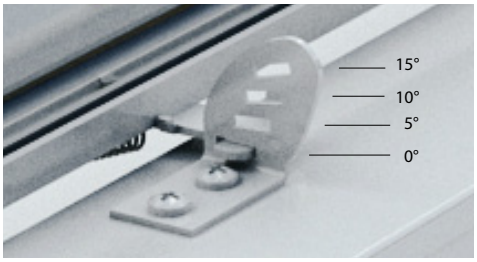
Ceiling Height	2'	4'	6'	8'	10'	12'
11'-6" (3.51m)	25.5fc	26.3fc	25.5fc	23.5fc	22.4fc	22.2fc
10'-6" (3.20m)	26.8fc	27.3fc	25.4fc	22.9fc	20.9fc	20.4fc
9'-6" (2.90m)	28.5fc	28.3fc	24.8fc	21.5fc	19.1fc	18.5fc
8'-6" (2.59m)	32.5fc	32.2fc	27.2fc	21.9fc	18.0fc	17.3fc

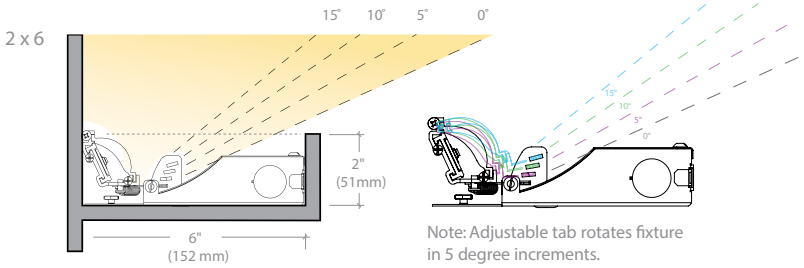
Calculations based on 3KV2HO LEDs

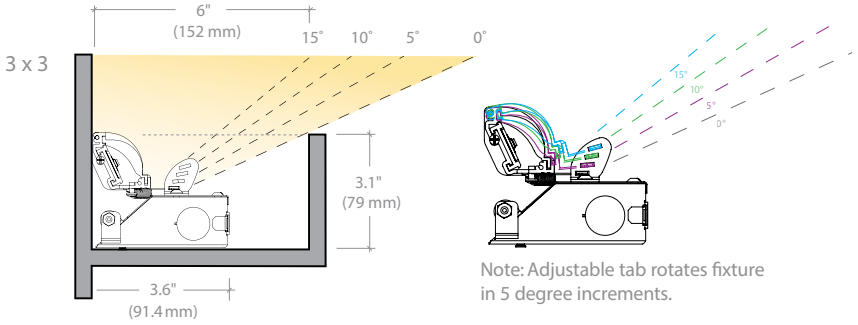
Application Notes

- For cove applications, there should not be less than 6" of lampless (fixtureless) space at the end of all run lengths.
- For cove applications, Raye luminaires shall be mounted end to end to eliminate any opportunity for socket shadows.
- For ease of maintenance, the Printed Circuit Board (PCB) Assembly may be removed from the all raye housings via a quick disconnect and a removable extruded aluminum sliding tray (which contains the PCB). This can be accomplished without removing the wireway which is connected to line voltage.

FIELD ADJUSTMENT ILLUMINATION ANGLES







TECHNICAL NOTES

1. White light variance between LEDs is equal to or better than 3-step MacAdam Binning.
2. Consult factory for other dimming driver options.