

Project Name: _____ Type: _____ Quantity: _____

INTENDED USE

The 3-Inch Mini Recessed Downlights feature a low-profile, small-aperture design that delivers high-quality lighting with broad compatibility, ensuring quick and tool-free installation or replacement of the light and trim. Its high-efficiency lens provides exceptional illumination with precise chromaticity specifications and consistent color binning. The downlight also includes thermal management housing and an optional IC-Rated housing, making it ideal for retrofit or new construction applications in residential, retail, and hospitality settings.

FEATURES

- Construction:** Aluminum
- Mounting:** Recessed with twist and lock feature and durable tension clips for convenient installation
- Housing:** Non-IC and IC-Rated
- Finish:** White powder coat finish provides long term performance and superior aesthetic
- Color temperature:** 3000K, 4000K
- Lens:** High efficiency lens delivers excellent light transmittance.
- CRI:** 90+
- Voltage:** 120-277V (0-10V Dim), 120V (TRIAC Dim)
- Driver:** 0-10V (Dims down to 10%), TRIAC
- Thermal management:** The aluminum housing serves as a heat sink to extend the lifespan of the device, maintaining heat sinks at a controlled temperature of 60-70°C.
- Warranty:** 5 years carefree for parts & components (Labor not included)
- Listings:** cULus listed for damp locations, IC-Rated, RoHS Compliant



Wattage	Lumens	CRI	Type
10W	850 lm	90+	IC-Rated
18W	1620 lm	90+	Non-IC



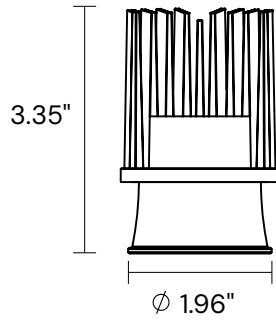
ORDERING INFORMATION Example:

Model	Shape	Light Distribution	Optics	Color Temperature	Wattage	Application	Driver	Options
14119	R Round	DIR Direct Downlight	24 24° Beam	30 3000K	10 10W	R ¹ Retrofit	Blank 0-10V Triac	EM8X ³ 8W External Emergency Battery
	S Square	ADJ Adjustable Downlight	36 36° Beam 60 60° Beam	40 4000K	18 18W	NC ² New Construction		EM25X ⁴ 25W External Emergency Battery

¹ Includes remote driver. ² Includes housing with integrated driver. ³ Compatible with 0-10V Dimming. See further information on page 3. ⁴ Compatible with Triac Dimming.

ENGINE

Engine + Optics Dimension

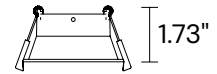


TRIM DIMENSIONS

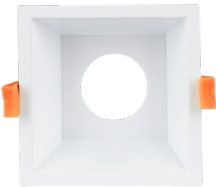
Round Trim



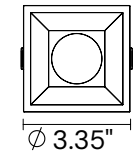
ϕ 2.95" - 3.03" Cutout



Square Trim



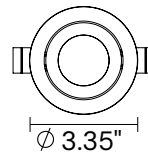
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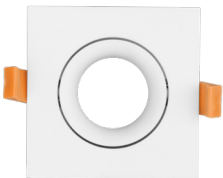
Adjustable Round Trim



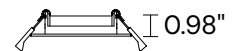
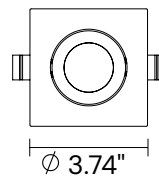
ϕ 2.83" - 2.95" Cutout



Adjustable Square Trim

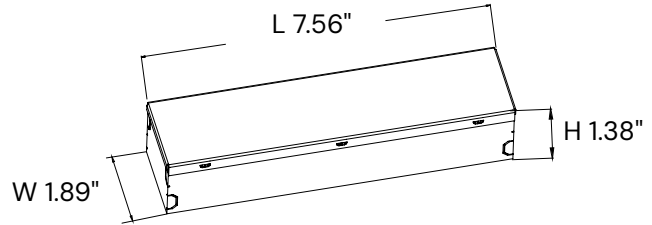
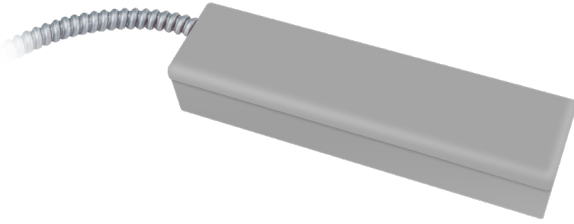


ϕ 2.83" - 2.95" Cutout

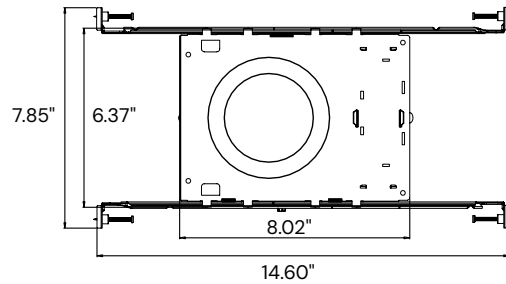
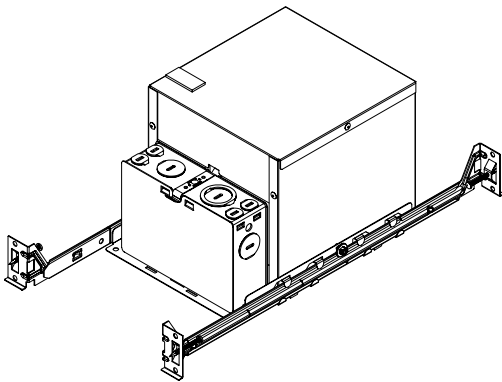
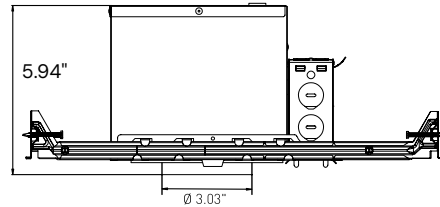
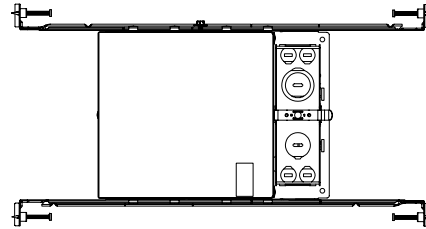


APPLICATIONS

External Driver for Retrofit



Housing for New Construction



EMERGENCY BATTERY

Fixture Efficacy	Lumen Output
80 lm/W	640 lm



The optional high-voltage 8W emergency feature ensures reliable lighting during power outages. When AC power fails, it instantly switches to emergency mode, providing illumination for up to 120 minutes. Once AC power is restored, it automatically returns to charging mode, meeting critical life-safety lighting requirements.

LENS

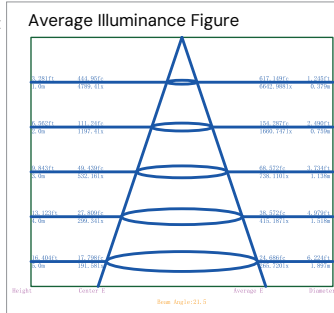
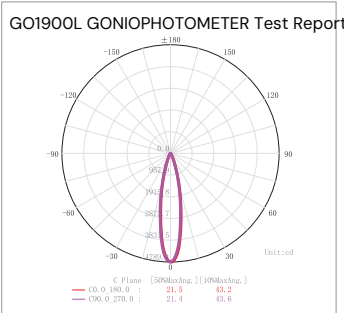
The High Efficiency Lens provides excellent light transmittance while delivering moderate light control and anti-glare features.



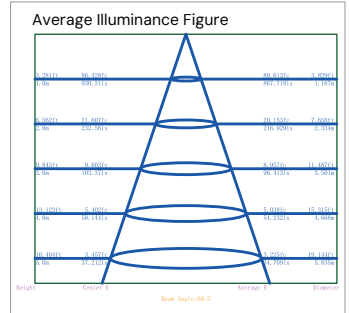
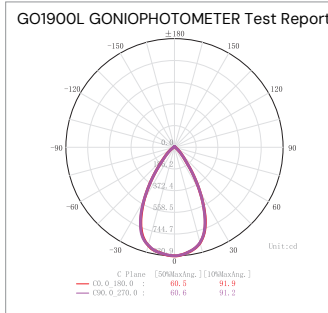
PHOTOMETRY

10W Downlight

24°-3000K

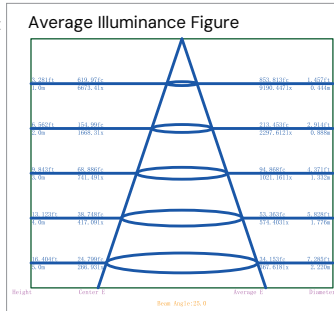
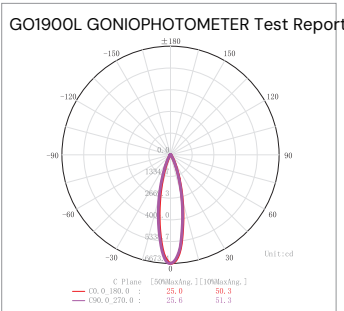


60°-3000K

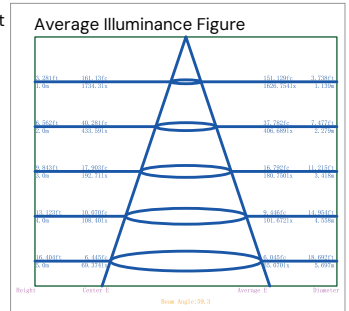
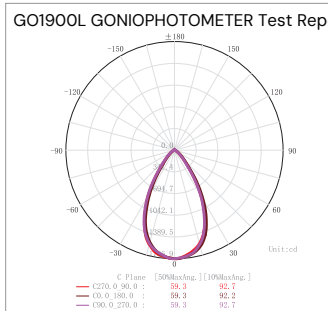


18W Downlight

24°-3000K



60°-3000K



COMPATIBLE DIMMERS

			
0-10 V	2100 2101 2102	Diva DDTV	IP-710-DL

COLOR TEMPERATURE GUIDE



<p>2700K</p> <p>WARM WHITE</p> <p>friendly personal intimate</p> <p>HOMES LIBRARIES RESTAURANTS</p> <p>X</p>	<p>3000K</p> <p>SOFT WHITE GLOW</p> <p>soft warm pleasing</p> <p>HOMES HOTEL ROOMS LOBBIES RETAIL STORES</p> <p>✓</p>	<p>3500K</p> <p>NEUTRAL GLOW</p> <p>sociable inviting non-threatening</p> <p>EXECUTIVE OFFICES RECEPTION AREAS SUPERMARKETS</p> <p>X</p>	<p>4000K</p> <p>COOL WHITE GLOW</p> <p>neat clean efficient</p> <p>OFFICES CLASSROOMS MASS MERCHANDISERS SHOWROOMS</p> <p>✓</p>	<p>5000K</p> <p>DAYLIGHT GLOW</p> <p>bright cool alert</p> <p>GRAPHICS INDUSTRY HOSPITALS GALLERIES BEAUTY SALONS</p> <p>X</p>
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