

PRIME 4" LED ARCHITECTURAL ROUND FLANGED DOWNLIGHT



USE OF PRODUCT

The 4" Prime Downlight Series is the ideal product for architectural energy efficient lighting in commercial and residential applications. Available in an assortment of color temperatures, optics, lumen outputs, and dimmable driver options.

PRIME FEATURES

Color Temperature: 2700K, 3000K, 3500K, or 4000K
 SDCM: 2 step binning
 Color Rendering Index: 93+ CRI
 Optical Lens: 18°, 30°, 50°, 80°
 Trim: Die cast or anodized
 LED Life: 50,000 Hours
 LED Type: Cree LED
 Driver Info: 120-277V, 50/60 Hz, PF>0.9, THD<0.20
 Warranty: 5 year limited warranty

LED ENGINE

LED engine available with CREE LEDs in 2700K, 3000K, 3500K, or 4000K in standard 93+ CRI. 2 Step MacAdam ellipse allows for color consistency between fixtures. LED mounted to aluminum heat sink for maximum life output and thermal management. Light engine provides a quick disconnect with locking strain relief to housing.

FRAME CONSTRUCTION

Constructed from 16 gauge heavy duty powder coated cold rolled steel frame with a large access junction box.

ADJUSTMENT

- Housing provides for 360° locking rotation
- Aperture collar adjusts 15°± horizontally within frame for square ceiling alignment
- Collar notch allows for easy alignment for square applications.
- Aperture collar compatible up to 1½" ceiling thickness.
- Accommodation for 2" or 3" ceiling thickness available upon request.

OPTICS

Field replaceable optical lens available in 18°, 30°, 50°, and 80°. Easily achieve narrow spot to wide flood beam pattern. Option for frosted, honeycomb, or solite filter (2 maximum).

DIMMING

Available in 8 driver selections. (ID) Standard all-inclusive ELV, Triac, and 0-10V dimming driver called Intelligent Drive, 120-277V. (PEQ0) Lutron Hi-Lume Premier Ecosystem 0.1% w/soft on, fade to black dimming, 120-277V. (LDE1) Lutron Hi-Lume 1% Ecosystem with soft on, fade to black dimming, 120-277V. (LTE) Lutron Hi-Lume 1% 2-wire, 120V. (L3DA) Hi-lume 1% EcoSystem/3-Wire L3D Driver (EEI) eldoLED Eco 1% Dim (0-10V), 120-277V. (EDIO) eldoLED Solo 0.1% Dim(0-10V), 120-277V. (EDID) eldoLED Solo 0.1% Dim(DALI), 120-277V.

THERMAL MANAGEMENT

Ambient temperatures at fixture location should not exceed -20° to 40°C.

EMERGENCY BATTERY

Optional emergency battery available for a minimum of 90 minutes with both integral or remote test switch in 800 or 1700 delivered lumens.

TRIM OPTIONS

- All trims are self flanged die cast or anodized.
- Trim includes standard frosted acrylic diffuser.
- 12% lumens increase if remove standard frosted acrylic diffuser in field.
- Optical Enhancer reflects light evenly across the diffusion lens.
- Trims available in round or square in an assortment of standard or made to order finishes.

LABELS/COMPLIANCE/WARRANTY

- CSA Listed for US and Canada
- Energy Star
- Dry/Damp/Wet location rated.
- Title 24, JA8 Compliant
- 5 Year limited warranty



ORDERING INFORMATION

RPA

Aperture Size Lumens Color Temperature Voltage Dimming Optical Lens Filter Housing Type Aperture Filter Frame Accessories Collar Option

Series	Aperture Size	Lumens	Color Temperature	Voltage	Dimming	Optical Lens ⁹	Filter
RPA PRIME Series	4 - 4"	10L ¹ - 1055 lm	27 - 2700K	UNV - 120-277	ID ³ Standard all-inclusive ELV, Triac, and 0-10V dimming driver (Intelligent Drive)	18 - 18°	None - Leave blank
		12L ¹ - 1250 lm	30 - 3000K	120 - 20V	PEQ0 ⁴ Lutron Hi-Lume Premier Ecosystem 0.1% w/ soft on, fade to black dimming	30 - 30°	F - Frosted filter
		16L ¹ - 1645 lm	35 - 3500K	347 ² - 347V	LDE1 ⁵ Lutron Hi-Lume 1% Ecosystem with soft on, fade to black dimming	50 - 50°	H - Honey comb
		21L ¹ - 2170 lm	40 - 4000K		LTE ^{5,6} Lutron Hi-Lume 1% 2-wire	80 - 80°	S - Solite filter
		24L ¹ - 2495 lm			L3DA Hi-lume 1% EcoSystem/3-Wire L3D Driver		
		31L - 3105 lm			EEI ^{6,7,8} eldoLED Eco 1% Dim (0-10V)		
		34L - 3475 lm			EDIO ^{5,7,8} eldoLED Solo 0.1% Dim (0-10V)		
		40L - 4030 lm			EDID ^{5,7,8} eldoLED Solo 0.1% Dim (DALI)		

Housing Type	Aperture	Frame Accessories	Collar	Options
NC - Non-IC New Construction IC ¹⁰ - Air-tight New Construction	RFD - Round Flanged Downlight	C - C-Channel bar hanger B - Flat bar hanger AH ¹ - Wood Joist	Blank - 1.5" Depth 20 - 2" Depth 30 - 3" Depth MTO - Made to order	EI8 - Emergency battery with integral switch(800 Lumens) ER8 - Emergency battery with remote switch (800 Lumens) EI17 - Emergency battery with integral switch(1700 Lumens) ER17 - Emergency battery with remote switch (1700 Lumens) FCJS-E - VIVE wireless individual controller(Ecosystem) FCJS-0 - VIVE wireless individual controller(0-10) CP ¹⁰ - Chicago Plenum

TRIM ORDERING INFORMATION

Aperture Size / Shape / Trim Type / Style	Bevel / Flange Finish	Options
4RFO - 4" Round Flange Open	W-W - White bevel / white flange H-W - Haze bevel / white flange B-B - Black bevel / black flange H-H - Haze bevel / Haze flange S-S - Specular clear bevel / Specular clear flange S-W - Specular clear bevel / white flange WE-WE - Wheat bevel / wheat flange MTO - Made to order	WL - Wet Location

- Compatible with IC new construction housing.
- Step down transformer required.
- Intelligent Drive is the standard driver.
- Driver must not exceed 1645 lm
- 120V only.
- Inapplicable to 4030 Lumen offering.
- Must specify logarithmic or linear eldoLED diver.
- Confirm dimming curve: linear or logarithmic.
- Without standard frosted acrylic diffuser.
- Compatible up to 2170 lumens.
- Wood joist only available in round.

LUMEN CHART

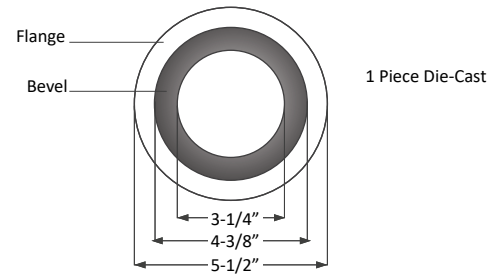
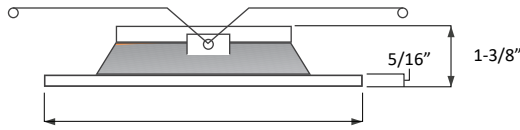
Wattage	Delivered Lumens	Voltage	CRI
11W	1055 lm	120 - 277V	93+
16W	1250 lm	120 - 277V	93+
20W	1645 lm	120 - 277V	93+
30W	2170 lm	120 - 277V	93+
31W	2495 lm	120 - 277V	93+
38W	3105 lm	120 - 277V	93+
45W	3473 lm	120 - 277V	93+
58W	4030 lm	120 - 277V	93+

MULTIPLIERS

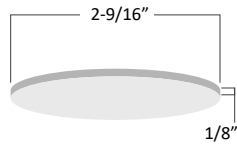
Color Temperature	Lumen Multiplier
2700K	0.93
3000K	1.00
3500K	1.07
4000K	1.15

*Above chart, ordering information, and IES File name reflect delivered lumens based 3000K and 30° optical lens.
 **Lumens will vary based on CCT, optical lens, and bevel finish.

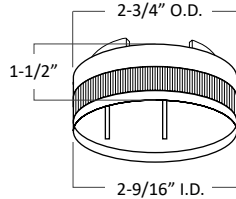
TRIM DIMENSION



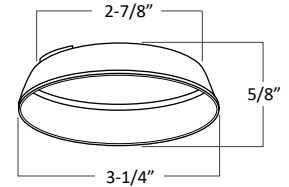
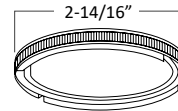
LED HOLDER & FILTER DIMENSION



Filter

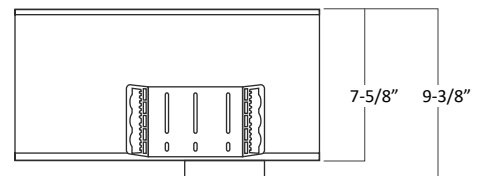
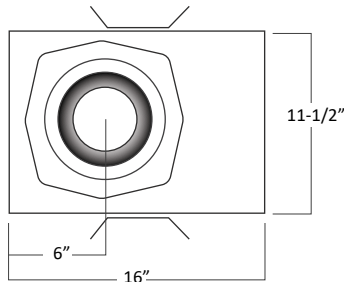
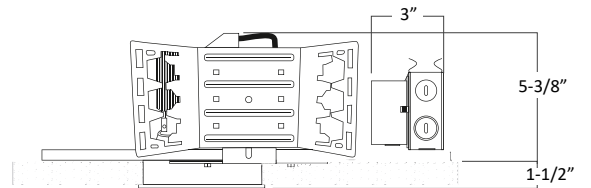
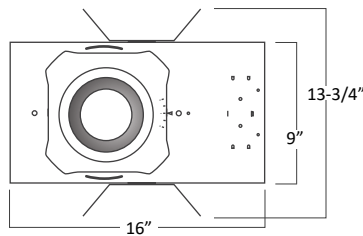


LED Holder

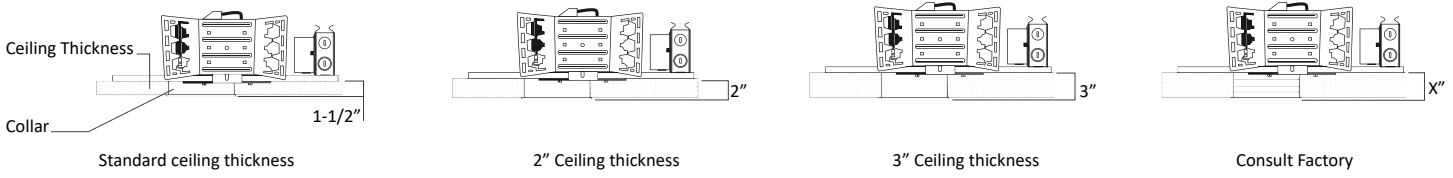


Light Enhancer

HOUSING DIMENSION



COLLAR DEPTH PER CEILING THICKNESS



FRAME ACCESSORIES

B Flat Bar Hanger	<p>27"</p> <p>1/2"</p>
C C Channel Bar Hanger	<p>25-3/16"</p> <p>1-6/16"</p>
AH Adjustable Bar Hanger	<p>14 1/4" - 25 1/2"</p> <p>1 1/2"</p> <p>0 - 90° Tilt</p> <p>Locked at 90°</p>

