

## 2" LED ARCHITECTURAL ROUND FLANGE DOWNLIGHT

NEW CONSTRUCTION: IC &amp; NON IC



## GENERAL INFORMATION

## USE OF PRODUCT

The 2" Prime Downlight is a small aperture fixture with shallow height that may be used in residential and commercial applications. Die cast trims, with an assortment of color temperatures, optics and dimmable drivers available.

## 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. LED engine is accessible from below ceiling.

## OPTICAL LENS

Field replaceable optical lenses are available in 12°, 30°, 35°, 40°, and 50°. Easily achieve narrow spot to wide flood beam pattern.

## FRAME CONSTRUCTION

IC and Non-IC rated housing are constructed from a 16-gauge heavy-duty, powder-coated cold-rolled steel frame and includes a junction box with  $\frac{1}{2}$ " knockouts. Butterfly brackets (included) accommodate universal or C-channel hangers (order separately).

## ADJUSTMENT

- Housing supports 359° locking rotation.  
- Aperture collar compatible up to 1 $\frac{1}{2}$ " ceiling thickness. Consult factory for made-to-order aperture collars exceeding 1 $\frac{1}{2}$ ".

## DIMMING

Available in six driver selections. (ID) Standard all-inclusive ELV (120V), Triac (120V), and 0-10V (120-277V) dimming driver called Intelligent Drive. (EEIS) eldoLED 1% Dim 0-10V (120-277V), Triac (120V), Max 20W. (EDIO) eldoLED 0.1% Dim (0-10V), 120-277V. (EDID) eldoLED 0.1% Dim (DALI), (EDD) eldoLED 1% Dim (DALI2), (PEQO) Lutron Hi-Lume Premier Ecosystem 0.1% with Soft-on, Fade-to-Black Dimming. Drivers are accessible from below the ceiling.

## TRIM

Flange trims available in die-cast and includes standard frosted acrylic diffuser. Remove standard frosted acrylic diffuser in field for 7% lumens increase. Consult factory for made-to-order finishes.

Wet location for bathrooms and showers with standard lens on trim.

## EMERGENCY BATTERY

Optional Emergency Battery (EM) available in 4W ( $\approx 400$  lm), 8W ( $\approx 800$  lm), or 15W ( $\approx 1,500$  lm) available for a minimum of 90 minutes. Please review page 6 for integral or remote EM and test switch options with solutions that allow for EM replacement from below the ceiling.

## LABELS/COMPLIANCE/WARRANTY

- CSA listed for US and Canada
- Dry/Damp/Wet location rated
- Chicago Plenum with IC Housing
- 5-year limited warranty



## GENERAL PERFORMANCE CHART

\*Detailed performance chart may be found on page 3

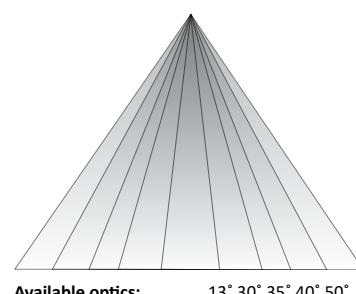
	6W	9W	12W	15W	20W
<b>Initial Lumens</b>	657/955	890/1296	1122/1618	1267/2015	1485/2422
<b>Delivered Lumens</b>	599-784	809-1074	969-1360	1094-1685	1284-2070

\* Values are listed at 3000K, 90+ CRI with a white bevel & trim.

Delivered lumens range based on beam spread.

Performance may vary +/- 5%

## BEAM SPREAD



- Field replaceable TIR optics
- Easily achieve narrow spot to wide flood beam pattern
- Optional filters available upon request

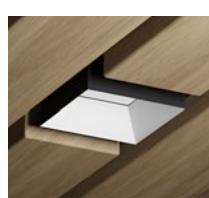
## PRIME FAMILY OF PRODUCTS



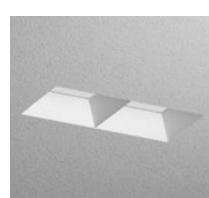
Downlight



TechZone®



WoodWorks®



Multiple Dedicated Bevel



Multiple Open Bevel



Cylinder



Square Luminaire

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## ORDERING INFORMATION

Series	Wattage	Dimming	Color Temperature	Optical Lens	Filter
RPA2	6W - 6 Watt	ID <sup>1</sup> - Standard All-Inclusive ELV(120V), Triac(120V), and 0-10V(120-277V)	27K - 2700K	12 <sup>4</sup> - 12°	Blank - None
	9W - 9 Watt		30K - 3000K	30 - 30°	F - Frosted Filter
	12W - 12 Watt	Dimming Driver (Intelligent Drive)	35K - 3500K	35 - 35°	H - Honey Comb
	15W - 15 Watt	EEI <sup>5</sup> - eldoLED 1% Dim 0-10V (120-127V), Triac (120V)	40K - 4000K	40 - 40°	S - Solite Filter
	20W - 20 Watt	EDIO <sup>3</sup> - eldoLED 0.1% Dim (0-10V) EDID <sup>3</sup> - eldoLED 0.1% Dim (DALI) EDD <sup>3</sup> - eldoLED 1% Dim (DALI2) PEQO - Lutron Hi-Lume Premier Ecosystem 0.1% with Soft-on, Fade-to-Black Dimming		50 - 50°	L - Linear Filter

Housing Type	Collar	Module Type	Frame Accessories	Options
IC - IC Air-Tight New Construction	CR10 - 1.0" Depth	FMH - Downlight	UH - Universal Bar Hanger	ER4W <sup>5</sup> - Emergency Battery with Remote test switch (400 lm)
NC - Non-IC New Construction	CR15 - 1.5" Depth		C - C-Channel Bar Hanger	ER8W <sup>6</sup> - Emergency Battery with Remote test switch (800 lm)
	MTO - Made To Order			ER15W <sup>6</sup> - Emergency Battery with Remote test switch (1,500 lm)
				347V - 347V Step down transformer
				CP <sup>7</sup> - Chicago Plenum

## TRIM ORDERING INFORMATION

## DIE-CAST

Bevel / Flange Finish	Trim Type	Bevel	Flange
May be mixed and matched	2RFO-CL	W - White	W - White
	2RFO-CL	B - Black	B - Black
	2RFO-CL	H - Haze	BZ - Bronze
	2RFO-CL	BZ - Bronze	MTO - Made To Order
	2RFO-CL	MTO - Made To Order	

## Notes

1. Intelligent Drive is the standard driver.
2. Programmable only in linear mode.
3. Must specify logarithmic or linear eldoLED diver.
4. 12° spread without lens on trim.
5. Available in IC housing only.
6. Ceiling access is required for IC housing to replace the EM unit.
7. Requires IC housing.

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**PERFORMANCE CHART**

Optics	<sup>1</sup> 12°	30°	35°	40°	50°
<b>6W</b>	<b>Initial Lumens</b>	657	955	955	955
	<b>Delivered Lumens</b>	599	730	784	774
	<b>UGR</b>		16.6	14.9	18
<b>9W</b>	<b>Initial Lumens</b>	890	1296	1296	1296
	<b>Delivered Lumens</b>	809	995	1074	1065
	<b>UGR</b>		17.7	16	19.2
<b>12W</b>	<b>Initial Lumens</b>	1122	1618	1618	1618
	<b>Delivered Lumens</b>	969	1249	1360	1353
	<b>UGR</b>		18.5	16.9	20.2
<b>15W</b>	<b>Initial Lumens</b>	1267	2015	2015	2015
	<b>Delivered Lumens</b>	1094	1533	1685	1614
	<b>UGR</b>		18.8	17.5	20.9
<b>20W</b>	<b>Initial Lumens</b>	1485	2422	2422	2422
	<b>Delivered Lumens</b>	1284	1858	2070	1956
	<b>UGR</b>		19.4	18.3	21.6

\* Values are listed at 3000K, 90+ CRI with a white bevel &amp; trim.

## Notes

1. 12° spread without lens on trim

**COLOR TEMPERATURE MULTIPLIER FOR DELIVERED LUMENS**

2700K	3000K	3500K	4000K
0.95	1.00	1.04	1.07

**DIFFUSED LENS**

- Listed IES files are with diffused lens

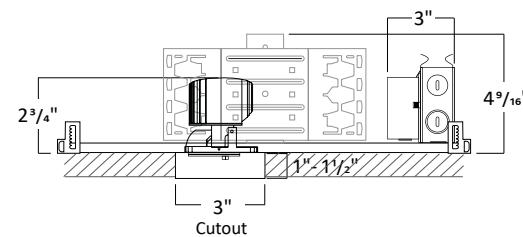
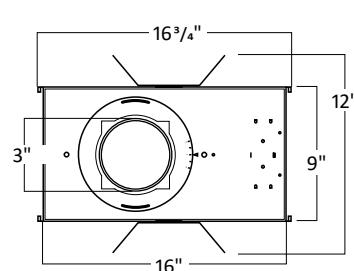
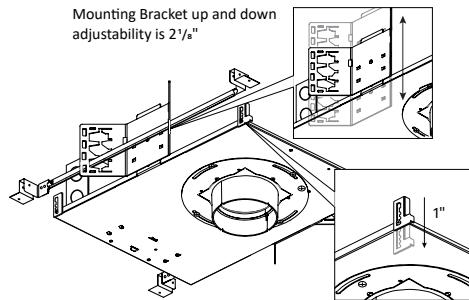
**OPTIONAL FIELD REMOVABLE LENS**

- Not suitable for wet locations
- Increase in lumens by approximately 7%

## 2" LED ARCHITECTURAL ROUND FLANGE DOWNLIGHT

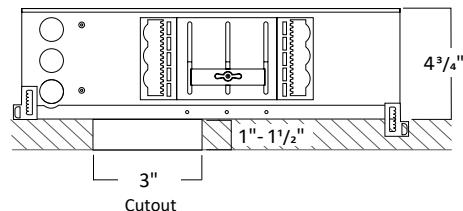
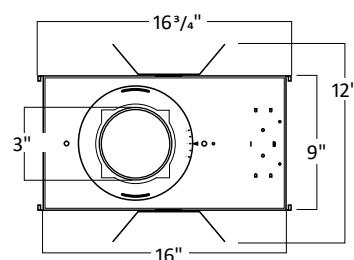
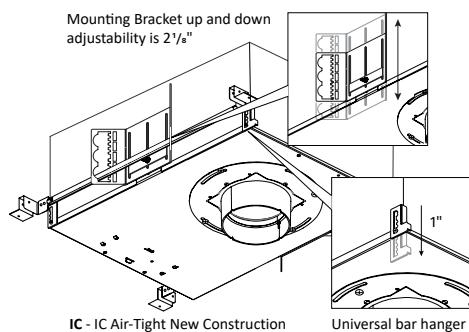
NEW CONSTRUCTION: IC & NON IC

### NON-IC HOUSING DIMENSIONS



1. Must remove spacer to achieve  $1\frac{1}{2}$ " collar height
2. Consult factory for Made to Order collar height
3. Allow  $\frac{1}{8}$ " tolerance

### IC HOUSING DIMENSIONS



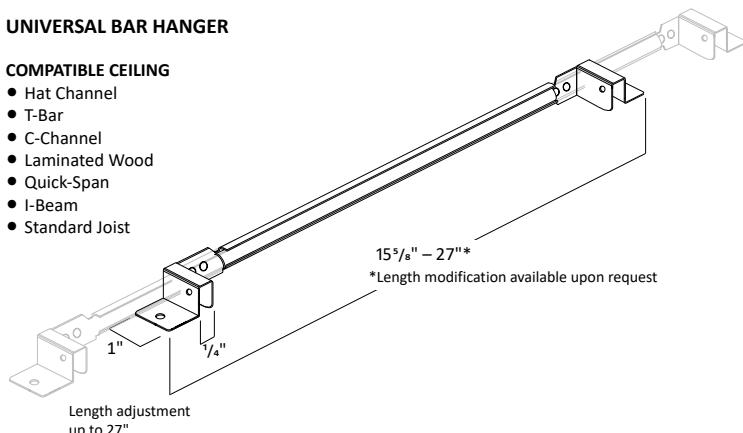
1. Must remove spacer to achieve  $1\frac{1}{2}$ " collar height
2. Consult factory for Made to Order collar height
3. Allow  $\frac{1}{8}$ " tolerance

### FRAME ACCESSORIES

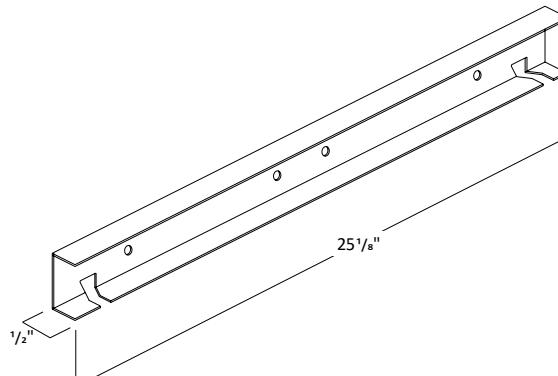
#### UNIVERSAL BAR HANGER

**COMPATIBLE CEILING**

- Hat Channel
- T-Bar
- C-Channel
- Laminated Wood
- Quick-Span
- I-Beam
- Standard Joist

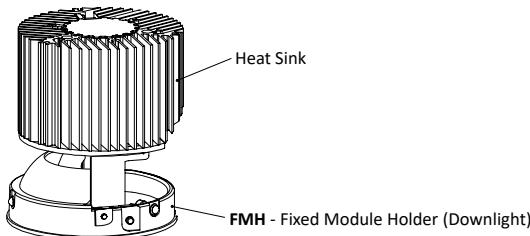


#### C-CHANNEL BAR HANGER

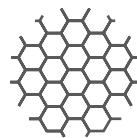


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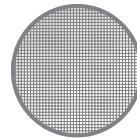
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**MODULE DIMENSIONS****FILTERS**

Frosted Filter



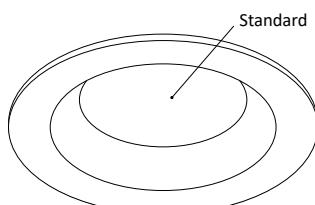
Honey Comb



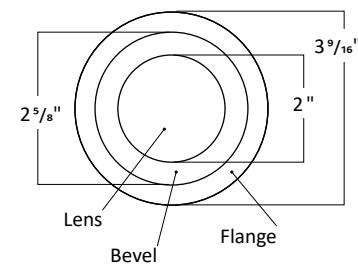
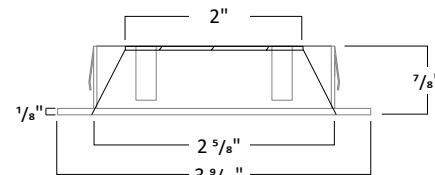
Solite Filter



Linear Filter

**TRIM DIMENSIONS**

2RFO-CL

**TRIM FINISH**

May be mixed and matched



White



Black

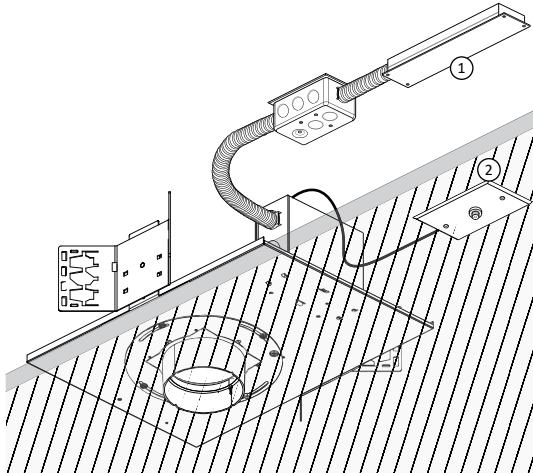


Haze



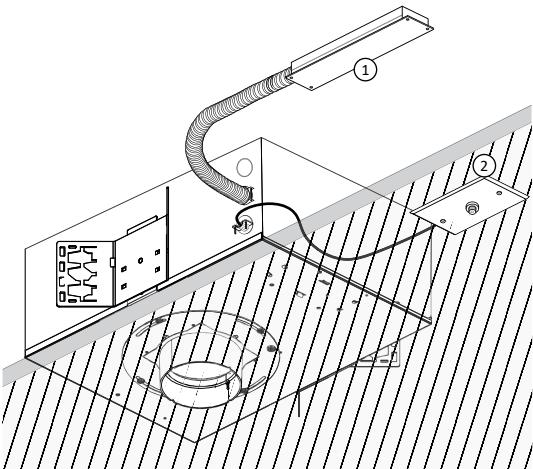
Bronze

\*Consult Factory for Made to Order Finishes

**REMOTE EMERGENCY BATTERY: NON-IC NEW CONSTRUCTION HOUSING****NC - Non-IC New Construction**

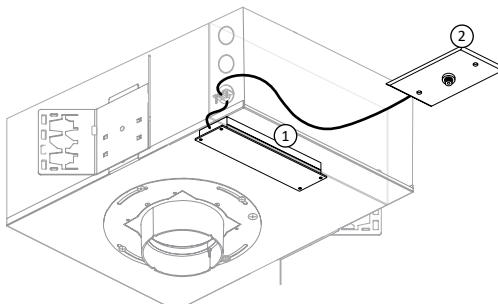
**ER8W** and **ER15W** is an 8W and 15W Emergency Battery that is remote to the fixture with a remote test switch. The EM unit is accessible from below the ceiling for replacement purposes.

1. Remote Emergency Battery
2. Remote Test Switch

**REMOTE EMERGENCY BATTERY: IC NEW CONSTRUCTION HOUSING****IC - IC Air-Tight New Construction**

**ER8W** and **ER15W** is an 8W and 15W Emergency Battery that is remote to the fixture with a remote test switch. Ceiling access is required for replacement purposes

1. Remote Emergency Battery
2. Remote Test Switch

**INTEGRAL EMERGENCY BATTERY: IC NEW CONSTRUCTION HOUSING****IC - IC Air-Tight New Construction**

**ER4W** is an 4W Emergency Battery that is integral to the fixture with a remote test switch. The EM unit is accessible from below the ceiling for replacement purposes.

\*Available in IC housing only

1. Integral Emergency Battery
2. Remote Test Switch