

3" LED ARCHITECTURAL ROUND FLANGE DOWNLIGHT

NEW CONSTRUCTION: IC & NON IC



GENERAL INFORMATION

USE OF PRODUCT

The 3" Prime Downlight is a small aperture fixture with a shallow housing height of 4¾", which is ideal for residential and commercial applications. Available options include die-cast or spun aluminum trims, various color temperatures, optics, filters, and dimmable drivers.

LED ENGINE

LED engine available in 2700K, 3000K, 3500K, or 4000K in standard 90+ CRI. 2-step MacAdam ellipse allows for color consistency between fixtures. The LED is mounted to an aluminum heat sink for maximum life output and thermal management. LED engine is accessible from below the ceiling.

OPTICAL LENS

Field replaceable optical lenses are available in 12°, 25°, 30°, 40°, 50°, and 70°. 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 ½" knockouts. Butterfly brackets (included) accommodate universal or C-channel hangers (order separately).

ADJUSTMENT

- Housing supports 359° locking rotation.
- Aperture collar compatible up to 1½" ceiling thickness. Consult factory for made-to-order aperture collars exceeding 1½".

DIMMING

Available in nine driver selections. (ID) Standard all-inclusive ELV (120V), Triac (120V), and 0–10V (120–277V) dimming driver called Intelligent Drive, (EEI) eldoLED 1% Dim 0–10V, (EEIS) eldoLED 1% Dim 0–10V (120–277V) and Triac (120V), Max 20W, (EDIO) eldoLED 0.1 Dim 0–10V, (EDID) eldoLED 0.1% Dim DALI, (EDD) eldoLED 1% Dim DALI2, (LDE1) Lutron Hi-Lume 1% Ecosystem with Soft-on, Fade-to-Black Dimming, (L3DA) Hi-Lume 1% Ecosystem/3-Wire L3D Driver, (PEQ0) Lutron Hi-Lume Premier Ecosystem 0.1% with Soft-on, Fade-to-Black Dimming.

TRIM

Flange trims available in die-cast or spun aluminum. Trim 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 (≈400 lm), 8W (≈800 lm), or 15W (≈1,500 lm) available for a minimum of 90 minutes. Please review page 7 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
- Energy Star certified product
- Dry/Damp/Wet location rated
- State of California Title 24 and JA8 compliant
- Chicago Plenum with IC Housing
- 5-year limited warranty



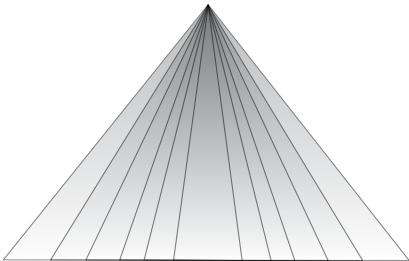
GENERAL PERFORMANCE CHART

*Detailed performance chart may be found on page 3

	6W	9W	12W	15W	20W	24W	28W	32W
Initial Lumens	657/955	890/1296	1122/1618	1267/2015	1485/2422	2799	3128	3405
Delivered Lumens	586-755	794-1038	999-1319	1060-1642	1244-1985	1713-2296	1914-2569	2080-2785

* Values are listed at 3000K, 90+ CRI with a white bevel & trim.
Delivered lumens range based on beam spread.
Performance may vary +/- 5%

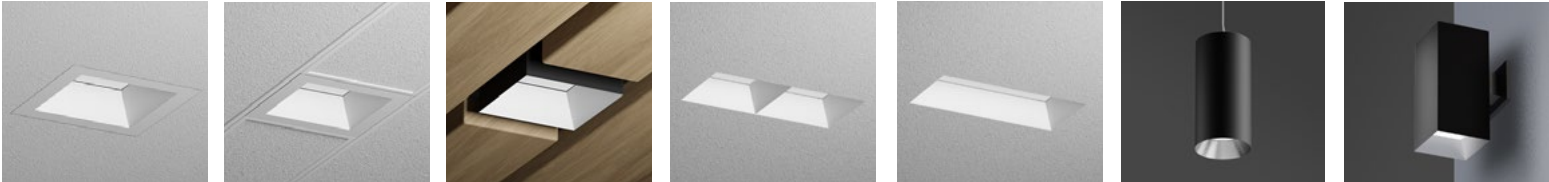
BEAM SPREAD



Available optics: 12° 25° 30° 40° 50° 70°

- 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
RPA3	6W - 6 Watt	ID ² - Standard All-Inclusive ELV, Triac, and 0–10V Dimming Driver (Intelligent Drive)	27K - 2700K	12 ^{6,7} - 12°	Blank - None
	9W - 9 Watt		30K - 3000K	25 - 25°	F - Frosted Filter
	12W - 12 Watt	EEI ³ - eldoLED 1% Dim (0–10V)	35K - 3500K	30 - 30°	H - Honey Comb
	15W - 15 Watt	EEIS ⁴ - eldoLED 1% Dim 0-10V (120-277V), Triac (120V), Max 20W	40K - 4000K	40 - 40°	S - Solite Filter
	20W - 20 Watt	EDIO ³ - eldoLED 0.1% Dim (0-10V)		50 - 50°	L - Linear Filter
	24W - 24 Watt	EDID ³ - eldoLED 0.1% Dim (DALI)		70 - 70°	
	28W ¹ - 28 Watt	EDD ³ - eldoLED 1% Dim (DALI2)			
	32W ¹ - 32 Watt	LDE1 ⁵ - Lutron Hi-Lume 1% Ecosystem with Soft-on, Fade-to-Black Dimming			
		L3DA ⁵ - Hi-Lume 1% Ecosystem/3-Wire L3D Driver			
		PEQ0 - Lutron Hi-Lume Premier Ecosystem 0.1% with Soft-on, Fade-to-Black Dimming			
Housing Type		Collar	Module Type	Frame Accessories	Options
IC ⁸ - IC Air-Tight New Construction		CR10 - 1.0" Depth	FMH - Downlight	UH - Universal Bar Hanger	ER4W ⁹ - Emergency Battery with Remote test switch (400 lm)
NC - Non-IC New Construction		CR15 - 1.5" Depth		C - C-Channel Bar Hanger	ER8W ¹⁰ - Emergency Battery with Remote test switch (800 lm)
		MTO - Made To Order			ER15W ¹⁰ - Emergency Battery with Remote test switch (1,500 lm)
					347V - 347V Step down transformer
					CP ¹¹ - Chicago Plenum

TRIM ORDERING INFORMATION

DIE-CAST

Bevel / Flange Finish	Trim Type	Bevel	Flange	Notes
May be mixed and matched	3" Round Flange Open Large	3RFO-CL	W - White	
		3RFO-CL	B - Black	
		3RFO-CL	H - Haze	
		3RFO-CL	BZ - Bronze	
		3RFO-CL	MTO - Made To Order	
		3RFO-CL	MTO - Made To Order	
	3" Round Flange Open Small	3RFO-CS	W - White	
		3RFO-CS	B - Black	
		3RFO-CS	H - Haze	
		3RFO-CS	BZ - Bronze	
		3RFO-CS	MTO - Made To Order	

SPUN ALUMINUM (SELF-FLANGED)

Bevel / Flange Finish	Trim Type	Self-Flanged
3" Round Flange Open Large	3RFO-AL	H - Haze
	3RFO-AL	C - Clear
	3RFO-AL	MTO - Made To Order
3" Round Flange Open Small	3RFO-AS	H - Haze
	3RFO-AS	C - Clear
	3RFO-AS	MTO - Made To Order

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PERFORMANCE CHART

Optics		¹ 12°	25°	30°	40°	50°	70°
6W	Initial Lumens	657	955	955	955	955	955
	Delivered Lumens	586	718	755	754	726	602
	UGR		13.5	13	16.4	19.1	21
9W	Initial Lumens	890	1296	1296	1296	1296	1296
	Delivered Lumens	794	978	1034	1038	984	825
	UGR		14.6	14.3	17.7	19.6	22.3
12W	Initial Lumens	1122	1618	1618	1618	1618	1618
	Delivered Lumens	999	1225	1314	1319	1238	1051
	UGR		15.2	15.1	18.3	21.2	22.9
15W	Initial Lumens	1267	2015	2015	2015	2015	2015
	Delivered Lumens	1060	1470	1628	1642	1565	1227
	UGR		15.9	15.8	19	21.9	23.6
20W	Initial Lumens	1485	2422	2422	2422	2422	2422
	Delivered Lumens	1244	1778	1967	1985	1895	1482
	UGR		16.6	16.4	19.7	22.5	24.3
24W	Initial Lumens		2799	2799	2799	2799	2799
	Delivered Lumens		2107	2273	2296	2193	1713
	UGR		17.4	17	20.2	23.1	24.8
28W	Initial Lumens		3128	3128	3128	3128	3128
	Delivered Lumens		2343	2542	2569	2458	1914
	UGR		17.7	17.3	20.6	23.6	25.2
32W	Initial Lumens		3405	3405	3405	3405	3405
	Delivered Lumens		2544	2768	2785	2679	2080
	UGR		18	17.7	20.9	23.9	25.4

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

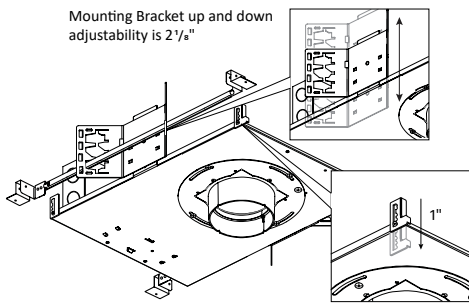
OPTIONAL FIELD REMOVABLE LENS



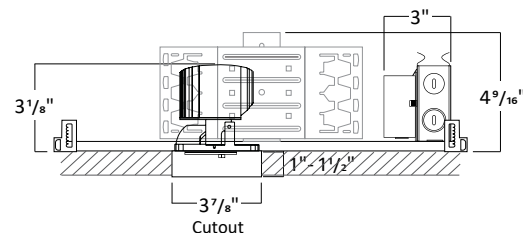
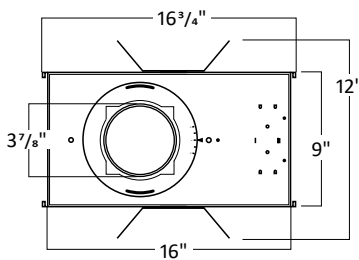
- Not suitable for wet locations
- Increase in lumens by approximately 7%

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NON-IC HOUSING DIMENSIONS 6W-20W

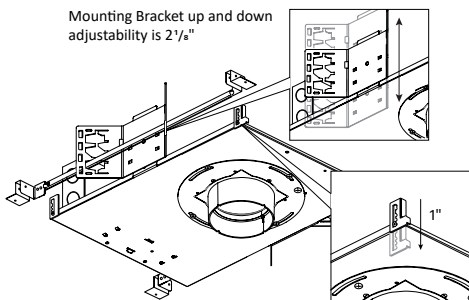


Universal bar hanger mounts on the length or width side of the fixture; Ceiling mount bracket provides 1" adjustability.

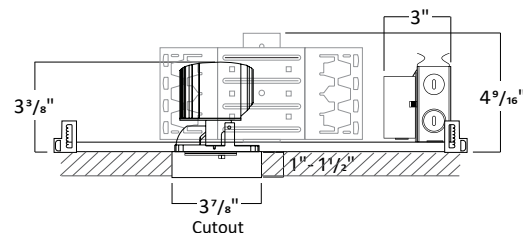
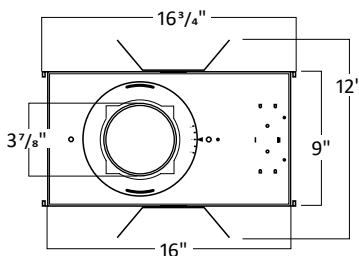


1. Must remove spacer to achieve 1 1/2" collar height
2. Consult factory for Made to Order collar height
3. Allow 1/8" tolerance

NON-IC HOUSING DIMENSIONS 24W-32W

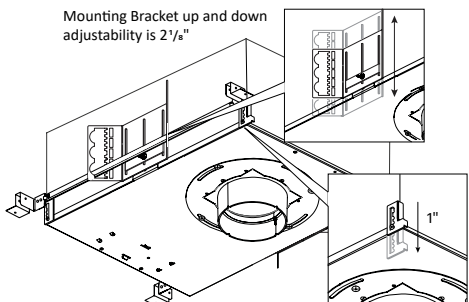


Universal bar hanger mounts on the length or width side of the fixture; Ceiling mount bracket provides 1" adjustability.

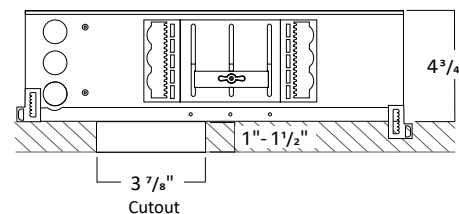
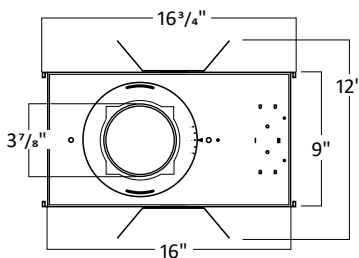


1. Must remove spacer to achieve 1 1/2" collar height
2. Consult factory for Made to Order collar height
3. Allow 1/8" tolerance

IC HOUSING DIMENSIONS 6W-24W



Universal bar hanger mounts on the length or width side of the fixture; Ceiling mount bracket provides 1" adjustability.



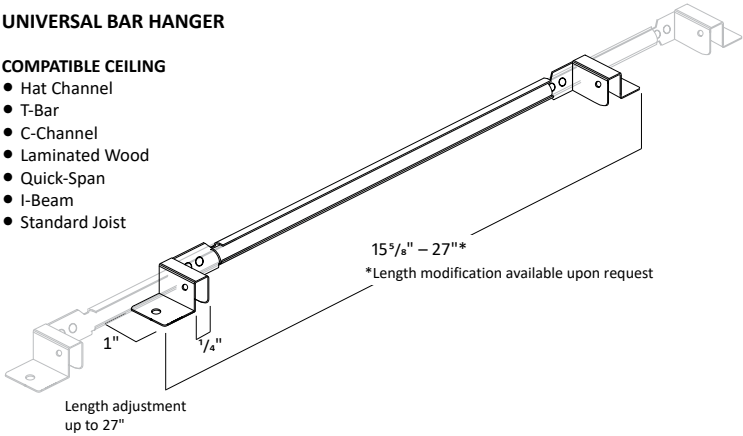
1. Must remove spacer to achieve 1 1/2" collar height
2. Consult factory for Made to Order collar height
3. Allow 1/8" tolerance

FRAME ACCESSORIES

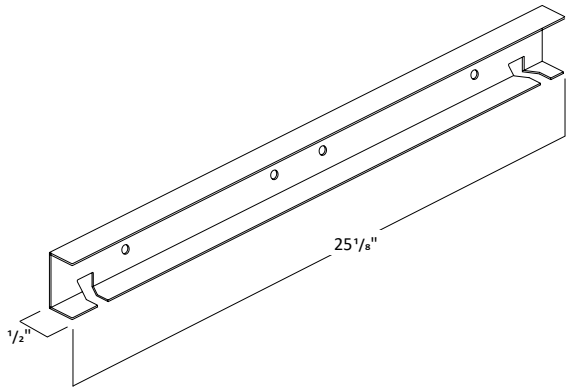
UNIVERSAL BAR HANGER

COMPATIBLE CEILING

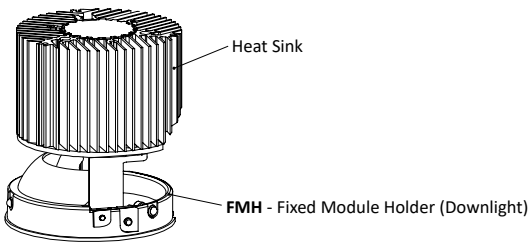
- Hat Channel
- T-Bar
- C-Channel
- Laminated Wood
- Quick-Span
- I-Beam
- Standard Joist



C-CHANNEL BAR HANGER



LED MODULE



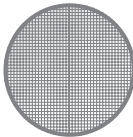
FILTERS



Frosted Filter



Honey Comb



Solite Filter

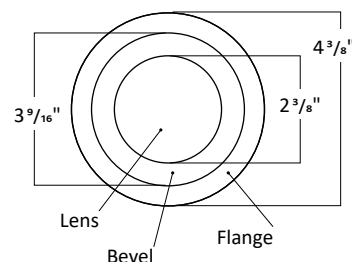
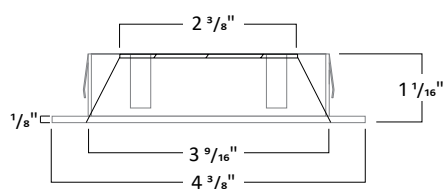
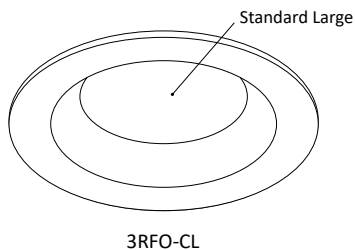
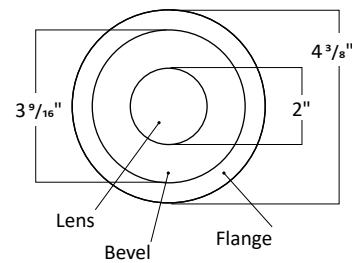
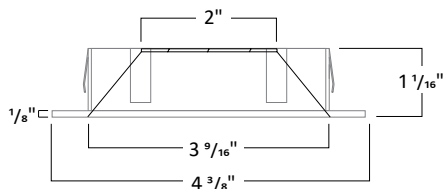
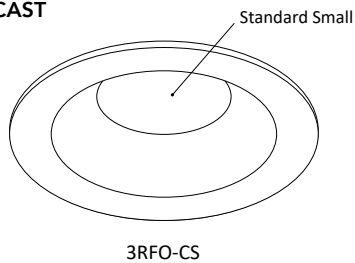


Linear Filter

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TRIM DIMENSIONS

DIE-CAST



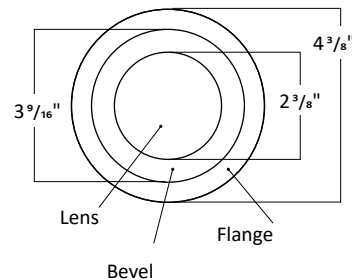
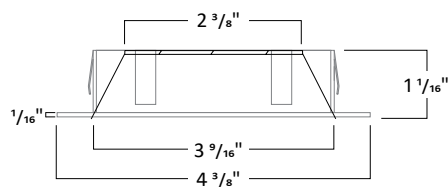
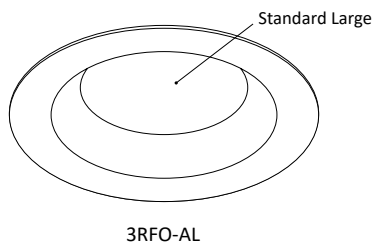
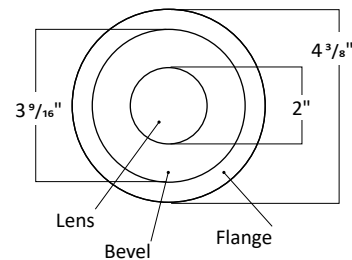
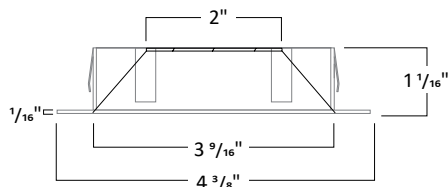
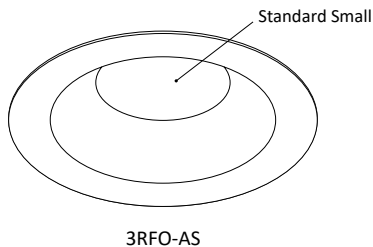
TRIM FINISH

May be mixed and matched



*Consult Factory for Made to Order Finishes

SPUN ALUMINUM (SELF-FLANGED)



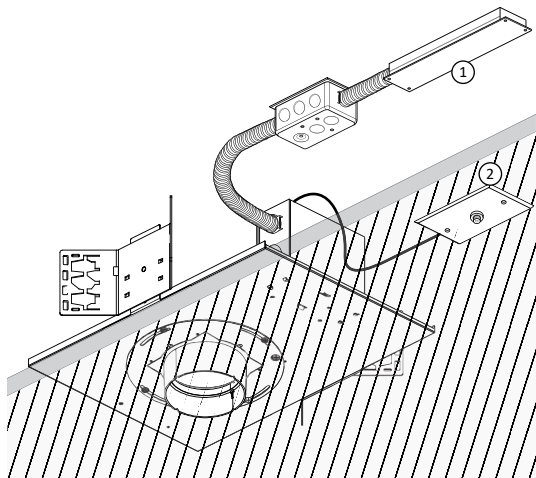
TRIM FINISH



*Consult Factory for Made to Order Finishes

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REMOTE EMERGENCY BATTERY: NON-IC NEW CONSTRUCTION HOUSING

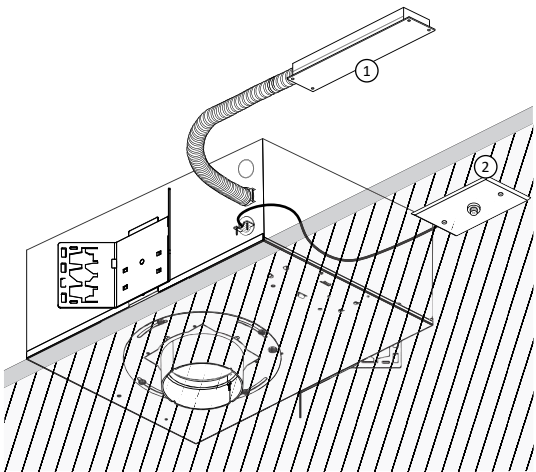


NC - Non-IC New Construction

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

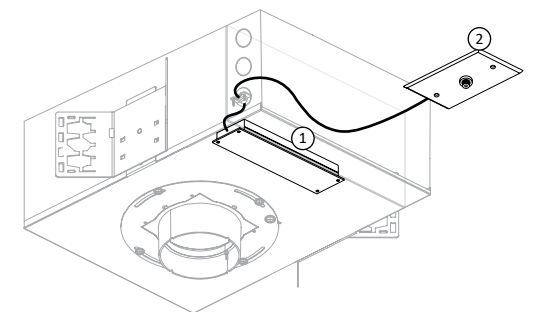


IC - IC Air-Tight New Construction

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 an 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