

6" LED ARCHITECTURAL SQUARE FLANGE ADJUSTABLE

NEW CONSTRUCTION: IC & NON IC



GENERAL INFORMATION

USE OF PRODUCT

The 6" Prime Adjustable is the ideal product for architectural energy efficient lighting in commercial and residential applications. Available in die cast trims, with an assortment of optics 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. Light engine provides a quick disconnect with locking strain relief to housing.

OPTICAL LENS

Field replaceable optical lenses are available in 15°, 24°, 30°, 35°, 40°, 50° and 65°. 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

- Light engine allows for hot aiming from 0-40°, consult factory for other tilt setting.
- Housing supports 359° locking rotation.
- Aperture collar compatible up to 1½" ceiling thickness.
- Accommodation for 2" or 3" ceiling thickness available upon request.

DIMMING

Available in nine driver selections. (ID) Standard all-inclusive ELV (120V), Triac (120V), and 0-10V (120-277V) dimming driver called Intelligent Drive, (EEL) eldoLED 1% Dim 0-10V, (EELS) 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 anodized 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



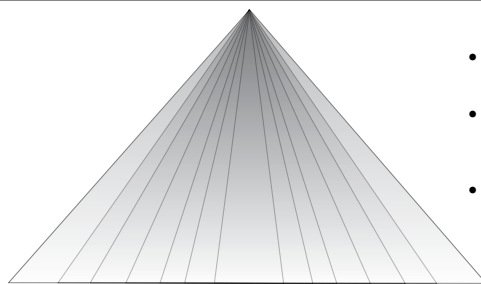
GENERAL PERFORMANCE CHART

*Detailed performance chart may be found on page 3

	6W	9W	12W	15W	20W	24W	28W	32W	33W	35W	40W	48W	56W
Initial Lumens	955	1296	1618	2015	2422	2799	3128	3405	4090	4626	4967	5786	6472
Delivered Lumens	529-831	725-1138	918-1436	1121-1740	1361-2124	1581-2496	1846-2870	2010-3209	2253-3156	2486-3537	2717-4158	3158-4885	3518-6472

* 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



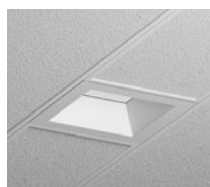
Available optics: 15° 24° 30° 35° 40° 50° 65°

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

PRIME FAMILY OF PRODUCTS



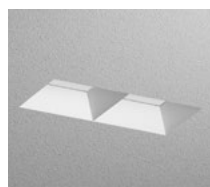
Downlight



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
RPA6	6W - 6 Watt	ID ² - Standard All-Inclusive ELV, Triac, and 0–10V Dimming Driver (Intelligent Drive)	27K - 2700K	15 ^{6,7} - 15°	Blank - None
	9W - 9 Watt	EEI ² - eldoLED 1% Dim (0–10V)	30K - 3000K	24 ⁷ - 24°	F - Frosted Filter
	12W - 12 Watt	EEIS ⁴ - eldoLED 1% Dim 0-10V (120-277V), Triac (120V), Max 20W	35K - 3500K	30 - 30°	H - Honey Comb
	15W - 15 Watt	EDIO ³ - eldoLED 0.1% Dim (0-10V)	40K - 4000K	35 - 35°	S - Solite Filter
	20W - 20 Watt	EDID ³ - eldoLED 0.1% Dim (DALI)		40 - 40°	L - Linear Filter
	24W - 24 Watt	EDD ³ - eldoLED 1% Dim (DALI2)		50 - 50°	
	28W - 28 Watt	LDE1 ⁵ - Lutron Hi-Lume 1% Ecosystem with Soft-on, Fade-to-Black Dimming		65 - 65°	
	32W - 32 Watt	L3DA ⁵ - Hi-Lume 1% Ecosystem/3-Wire L3D Driver			
	33W ¹ - 33 Watt	PEQO - Lutron Hi-Lume Premier Ecosystem 0.1% with Soft-on, Fade-to-Black Dimming			
	35W ¹ - 35 Watt				
	40W ¹ - 40 Watt				
	48W ¹ - 48 Watt				
	56W ¹ - 56 Watt				
Housing Type	Collar	Module Type	Frame Accessories	Options	
IC ⁸ - IC Air-Tight New Construction	CS15 ⁹ - 1.5" Depth	AMH - Adjustable	UH - Universal Bar Hanger	ER4W ¹⁰ - Emergency Battery with Remote Switch (400 lm)	
NC - Non-IC New Construction	CS20 - 2.0" Depth		C - C-Channel Bar Hanger	EI4W ¹⁰ - Emergency Battery with Integral Switch (400 lm)	
	CS25 - 2.5" Depth			ER8W ¹¹ - Emergency Battery with Remote Switch (800 lm)	
	MTO - Made To Order			EI8W ¹¹ - Emergency Battery with Integral Switch (800 lm)	
				ER15W ¹¹ - Emergency Battery with Remote Switch (1,500 lm)	
				EI15W ¹¹ - Emergency Battery with Integral Switch (1,500 lm)	
				347V - 347V Step down transformer	
				CP ¹² - Chicago Plenum	

TRIM ORDERING INFORMATION

Bevel / Flange Finish (one piece)	Trim Type	Bevel / Flange finish	Notes
6" Square Flange Open		6SFOW-W - White bevel / white flange 6SFOH-W - Haze bevel / white flange 6SFOB-B - Black bevel / black flange 6SFOH-H - Haze bevel / haze flange 6SFOS-S - Specular clear bevel / specular clear flange 6SFOS-W - Specular clear bevel / white flange 6SFOWE-WE - Wheat bevel / wheat flange 6SFOMTO - Made to order	1. Not available in IC housing. 2. Intelligent Drive is the standard driver. 3. Must specify logarithmic or linear eldoLED diver. 4. Available up to 20W and programmable only in linear mode. 5. Not offered in 6W. 6. Available in 6W-32W only. 7. 15° and 24° spread without lens on trim. 8. Not available in 33W-56W. 9. Standard collar height. 10. Available in IC housing only. 11. Ceiling access is required for IC housing to replace the EM unit. 12. Requires IC housing.
6" Square Flange Accent		6SFAW-W - White bevel / white flange 6SFAH-W - Haze bevel / white flange 6SFAB-B - Black bevel / black flange 6SFAH-H - Haze bevel / haze flange 6SFAS-S - Specular clear bevel / specular clear flange 6SFAS-W - Specular clear bevel / white flange 6SFAWE-WE - Wheat bevel / wheat flange 6SFAMTO - Made to order	

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PERFORMANCE CHART

Optics		^{1,2} 15°	² 24°	30°	35°	40°	50°	65°
6W	Initial Lumens	955	955	955	955	955	955	955
	Delivered Lumens	813	831	708	730	765	653	529
	UGR			6.3	7.1	9.8	13.6	17
9W	Initial Lumens	1296	1296	1296	1296	1296	1296	1296
	Delivered Lumens	1109	1138	967	999	1045	894	725
	UGR			7.8	8.6	11.1	15	18.4
12W	Initial Lumens	1618	1618	1618	1618	1618	1618	1618
	Delivered Lumens	1400	1436	1225	1264	1311	1134	918
	UGR			8.4	9.2	11.7	15.6	19
15W	Initial Lumens	2015	2015	2015	2015	2015	2015	2015
	Delivered Lumens	1712	1740	1539	1598	1627	1389	1121
	UGR			9.1	9.9	12.4	16.3	19.7
20W	Initial Lumens	2422	2422	2422	2422	2422	2422	2422
	Delivered Lumens	2080	2124	1868	1942	1972	1706	1361
	UGR			9.9	10.6	13.1	17.1	20.3
24W	Initial Lumens	2799	2799	2799	2799	2799	2799	2799
	Delivered Lumens	2421	2496	2172	2253	2287	1979	1581
	UGR			10.4	11	13.7	17.6	20.9
28W	Initial Lumens	3128	3128	3128	3128	3128	3128	3128
	Delivered Lumens	2763	2870	2449	2540	2573	2225	1846
	UGR			10.8	11.5	14.1	18	21.4
32W	Initial Lumens	3405	3405	3405	3405	3405	3405	3405
	Delivered Lumens	3042	3209	2695	2763	2827	2445	2010
	UGR			11.2	11.7	14.4	18.4	21.7
33W	Initial Lumens		4090		4090	4090	4090	4090
	Delivered Lumens		3413		3104	3156	3130	2253
	UGR				14.5	15.1	16.7	21.5
35W	Initial Lumens		4626		4626	4626	4626	4626
	Delivered Lumens		3787		3423	3494	3537	2486
	UGR				14.8	15.4	17.1	21.8
40W	Initial Lumens		4967		4967	4967	4967	4967
	Delivered Lumens		4158		3727	3817	3859	2717
	UGR				15.1	15.7	17.4	22.1
48W	Initial Lumens		5765		5765	5765	5765	5765
	Delivered Lumens		4885		4316	4433	4478	3158
	UGR				15.6	16.2	17.9	22.6
56W	Initial Lumens		6472		6472	6472	6472	6472
	Delivered Lumens		5619		5012	4984	5033	3518
	UGR				16.5	16.6	18.4	23

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

Notes

1. Available in 6W-32W only
2. 15° and 24° 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

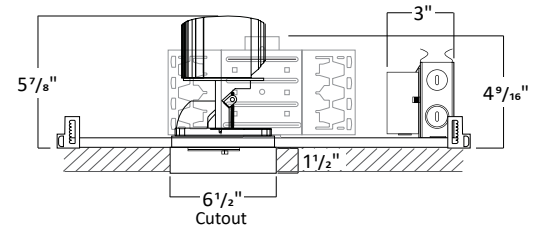
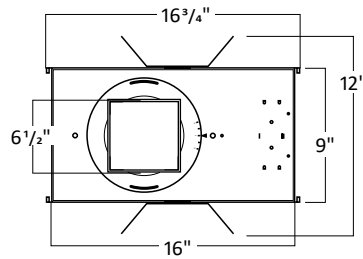
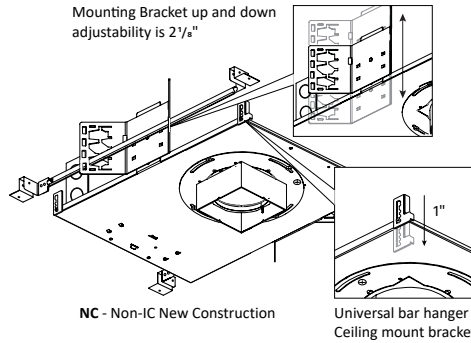
OPTIONAL FIELD REMOVABLE LENS



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

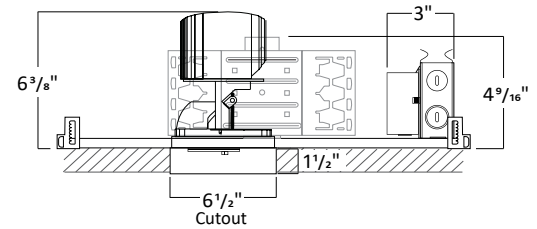
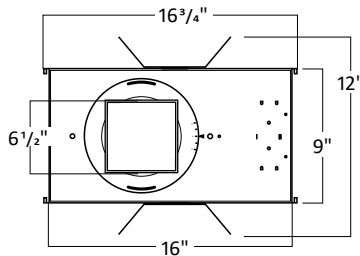
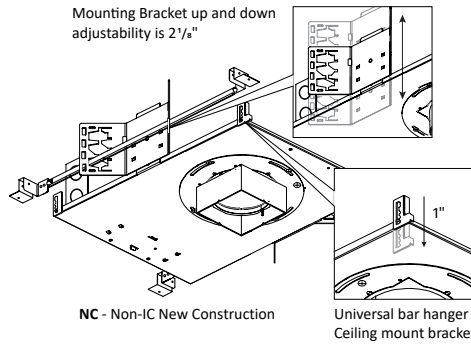
6" LED ARCHITECTURAL SQUARE FLANGE ADJUSTABLE NEW CONSTRUCTION: IC & NON IC

NON-IC HOUSING DIMENSIONS 6W-20W



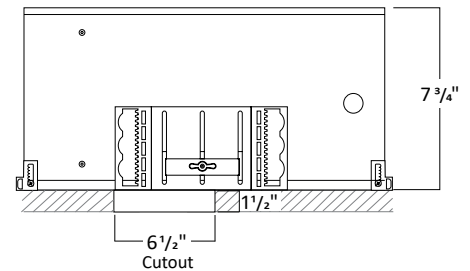
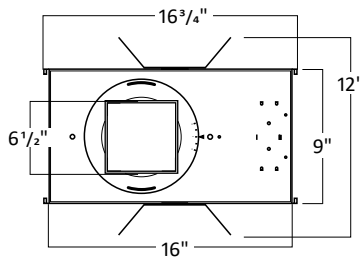
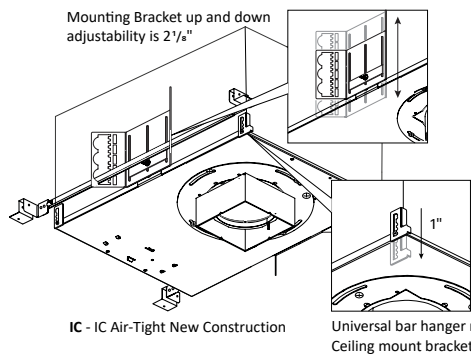
1. $1\frac{1}{2}"$ is the standard collar height. Consult factory for Made to Order collar heights.
2. Allow $\frac{1}{8}"$ tolerance.

NON-IC HOUSING DIMENSIONS 24W-56W



1. $1\frac{1}{2}"$ is the standard collar height. Consult factory for Made to Order collar heights.
2. Allow $\frac{1}{8}"$ tolerance.

IC HOUSING DIMENSIONS 6W-32W



1. $1\frac{1}{2}"$ is the standard collar height. Consult factory for Made to Order collar heights.
2. Allow $\frac{1}{8}"$ tolerance.

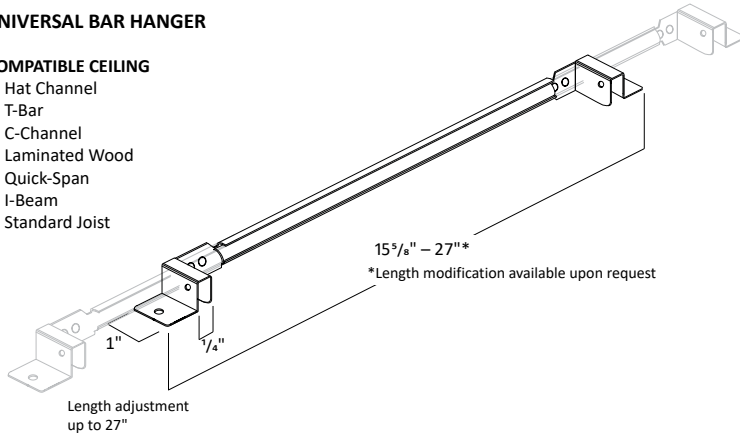
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FRAME ACCESSORIES

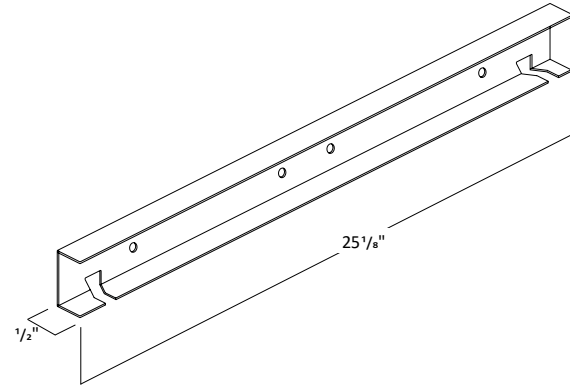
UNIVERSAL BAR HANGER

COMPATIBLE CEILING

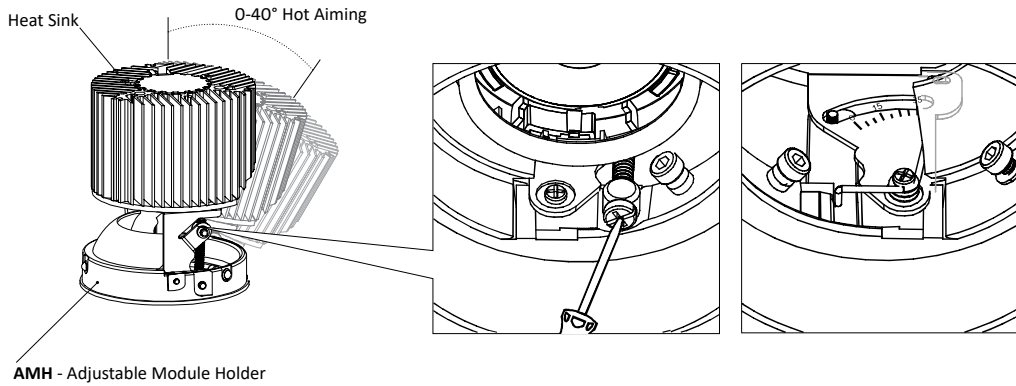
- Hat Channel
- T-Bar
- C-Channel
- Laminated Wood
- Quick-Span
- I-Beam
- Standard Joist



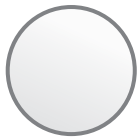
C-CHANNEL BAR HANGER



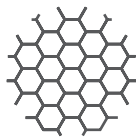
MODULE DIMENSIONS



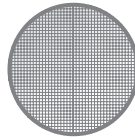
FILTERS



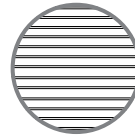
Frosted Filter



Honey Comb

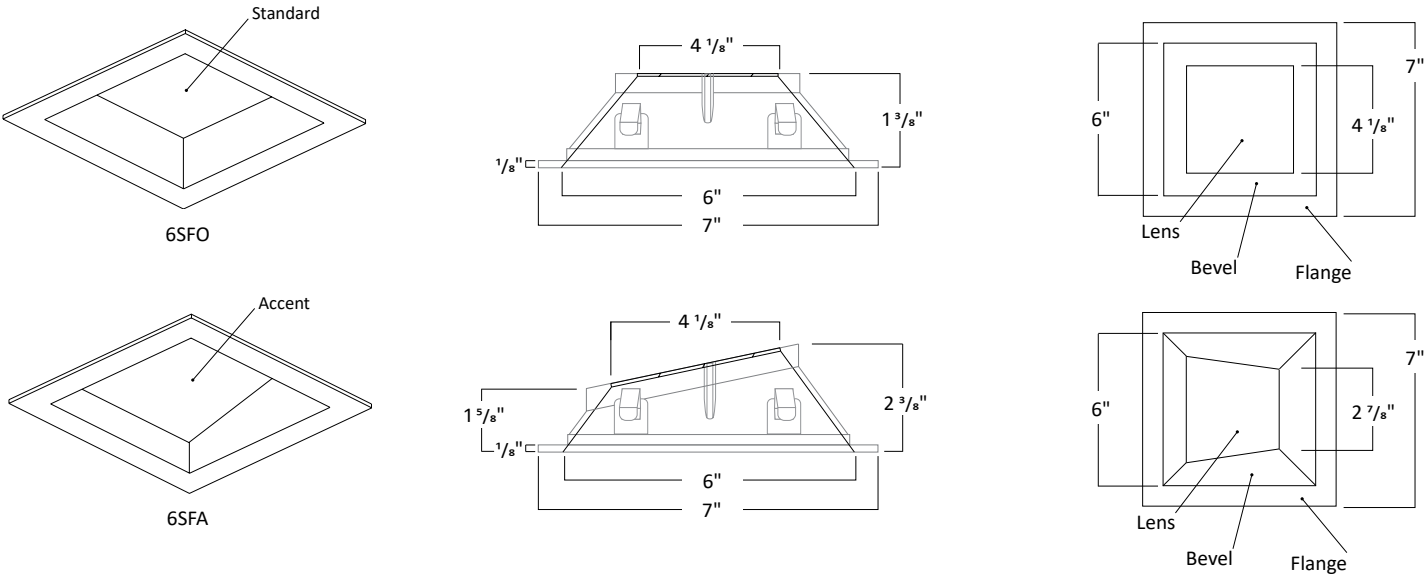


Solite Filter



Linear Filter

TRIM DIMENSIONS



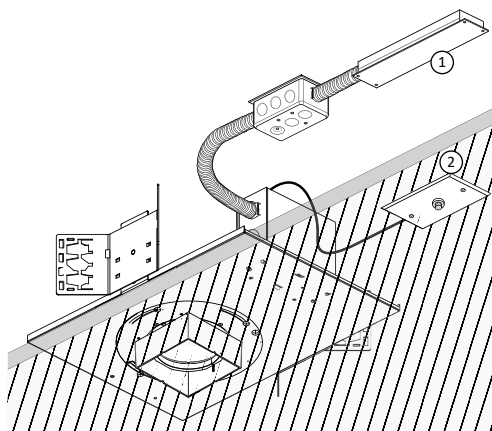
TRIM FINISH



*Consult Factory for Made to Order Finishes

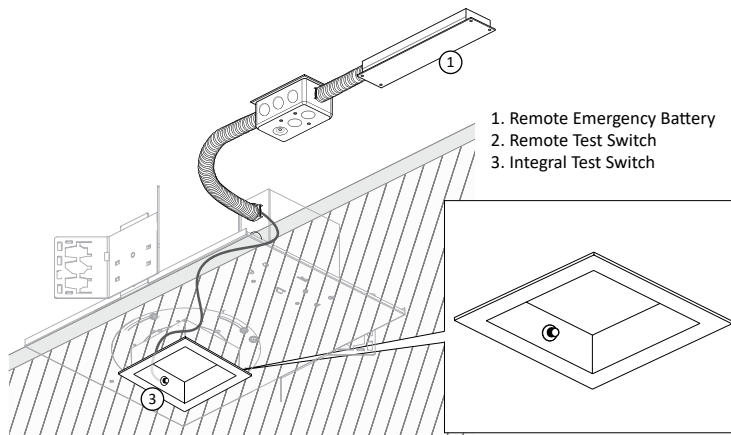
6" LED ARCHITECTURAL SQUARE FLANGE ADJUSTABLE NEW CONSTRUCTION: IC & NON IC

REMOTE EMERGENCY BATTERY: NON-IC NEW CONSTRUCTION HOUSING



NC - Non-IC New Construction

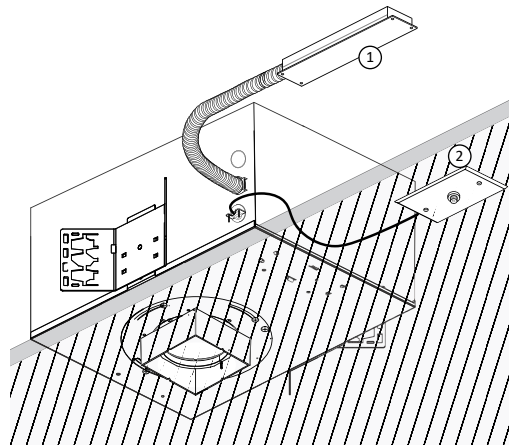
ER8W and **ER15W** is an 8W and 15W Emergency Battery that is remote to the fixture with a remote test switch. The EM unit is accessible from below the ceiling for replacement purposes.



NC - Non-IC New Construction

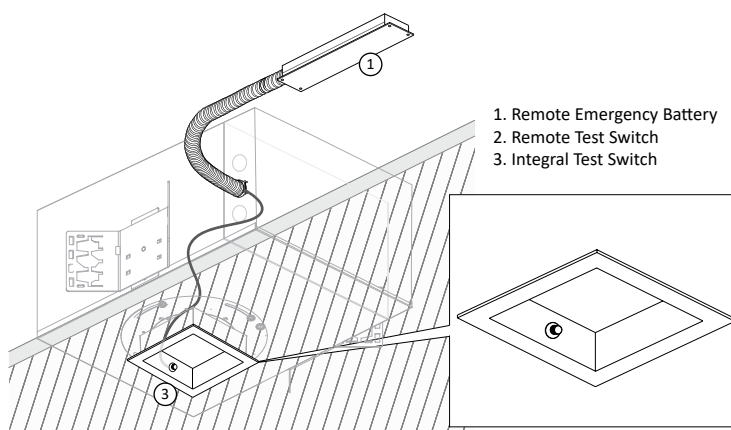
EI8W and **EI15W** is an 8W and 15W Emergency Battery that is remote to the fixture with an integral test switch. The EM unit is accessible from below the ceiling for replacement purposes.

REMOTE EMERGENCY BATTERY: IC NEW CONSTRUCTION HOUSING



IC - IC Air-Tight New Construction

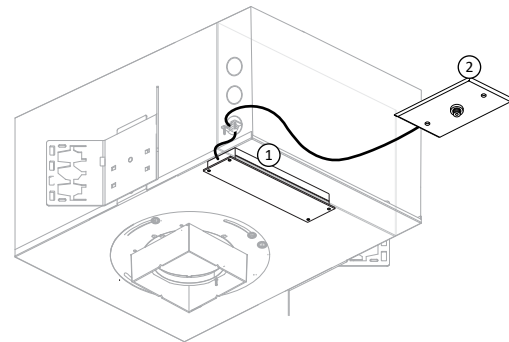
ER8W and **ER15W** is an 8W and 15W Emergency Battery that is remote to the fixture with a remote test switch. Ceiling access is required for replacement purposes.



IC - IC Air-Tight New Construction

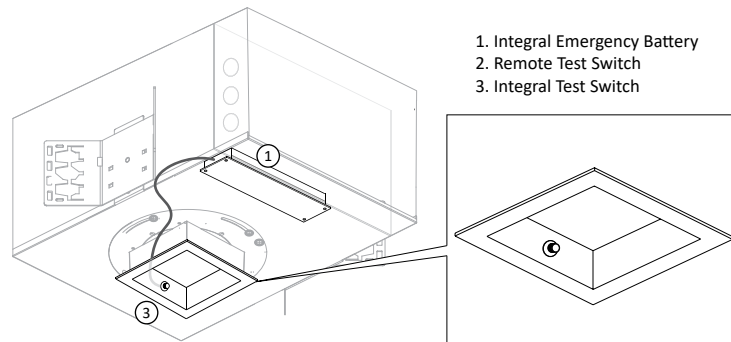
EI8W and **EI15W** is an 8W and 15W Emergency Battery that is remote to the fixture with an integral test switch. Ceiling access is required for replacement purposes.

INTEGRAL EMERGENCY BATTERY: IC NEW CONSTRUCTION HOUSING



IC - IC Air-Tight New Construction

ER4W is a 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.



IC - IC Air-Tight New Construction

EI4W is a 4W Emergency Battery that is integral to the fixture with an integral test switch. The EM unit is accessible from below the ceiling for replacement purposes.

*Available in IC housing only