

3" ARCHITECTURAL SQUARE FLANGE DOWNLIGHT COMPATIBLE WITH 6" TECHZONE® CEILINGS (SILHOUETTE®, SUPRAFINE®, INTERLUDE®, OR PRELUDE®) BY ARMSTRONG®



USE OF PRODUCT

The 3" Prime Downlight is a small aperture fixture which is compatible with 6" TechZone® ceilings. Allows for seamless installation and integration of luminaires with Silhouette®, Suprafine®, Interlude®, or Prelude® ceiling types offered by Armstrong®. Available options include die-cast trims, various temperatures, optics, and dimmable drivers.

LED ENGINE

LED engine available with CREE LEDs 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.

FRAME CONSTRUCTION

Non IC housing constructed from 20-gauge cold-rolled steel and includes a junction box with ½" knockouts. Integrated mounting brackets that will snap directly into 6" TechZone® ceiling grids. Compatible with the following series: Silhouette®, Suprafine®, Interlude®, or Prelude®.

GENERAL PERFORMANCE CHART

*Detailed performance chart may be found on page 2

	6W	9W	12W	15W	20W
Initial Lumens	657/955	890/1296	1122/1618	1267/2015	1485/2422
Delivered Lumens	586-755	794-1038	999-1319	1060-1642	1244-1985

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

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.

DIMMING

Available in six driver selections. (ID) Standard all-inclusive ELV (120V), Triac (120V), and 0–10V (120–277V) dimming driver called Intelligent Drive, 120–277V. (LDE1) Lutron Hi-Lume 1% Ecosystem with soft-on, fade-to-black dimming, 120–277V. (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. Driver accessible from below ceiling.

THERMAL MANAGEMENT

Fixture location ambient temperature should not exceed -20° to 40°C.

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

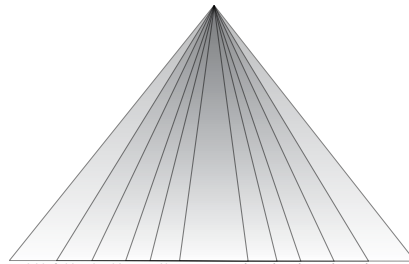
Optional emergency battery available for a minimum of 90 minutes with remote test switch in 800 delivered lumens.

LABELS/COMPLIANCE/WARRANTY

- CSA Listed for US and Canada.
- Energy Star certified product.
- Dry/Damp location rated.
- 5-year limited warranty.



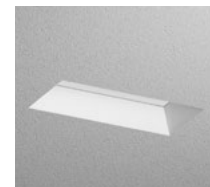
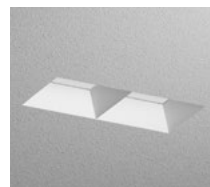
BEAM SPREAD



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 9W - 9 Watt 12W - 12 Watt 15W - 15 Watt 20W - 20 Watt	ID ¹ - Standard All-Inclusive ELV, Triac, and 0-10V Dimming Driver (Intelligent Drive) LDE1 ² - Lutron Hi-Lume 1% Ecosystem with Soft-on, Fade-to-Black Dimming L3DA - Hi-lume 1% EcoSystem/3-Wire L3D Driver EEI ³ - eldoLED Eco 1% Dim (0-10V) EDI ³ - eldoLED Solo 0.1% Dim (0-10V) EDI ³ - eldoLED Solo 0.1% Dim (DALI)	27 - 2700K 30 - 3000K 35 - 3500K 40 - 4000K	12 ⁴ - 12° 25 - 25° 30 - 30° 40 - 40° 50 - 50° 70 - 70°	None - Leave Blank F - Frosted Filter H - Honey Comb S - Solite Filter L - Linear Filter

Housing Type	Collar	Module Type	Frame Accessories	Options
TZ6 - 6" TechZone® Ceiling	CR10 - 1.0" Depth CR15 - 1.5" Depth MTO - Made To Order	FMH - Downlight	UH - Universal Bar Hanger	ER8W - Emergency Battery with Remote test switch (800 lm) ER15W - Emergency Battery with Remote test switch (1,500 lm)

DIE-CAST

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

- Notes
- Intelligent Drive is the standard driver.
 - Not offered in 6W.
 - Must specify logarithmic or linear eldoLED driver.
 - 12" spread without lens on trim.

PERFORMANCE CHART

Optics		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

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

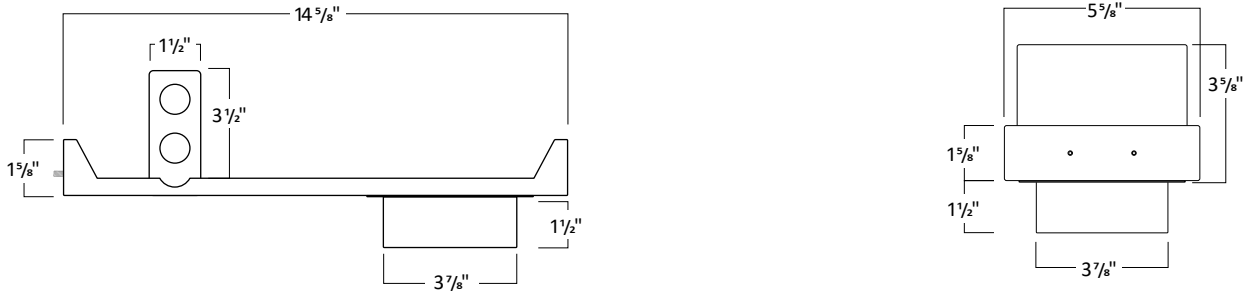
- Notes
- 12" spread without lens on trim

COLOR TEMPERATURE MULTIPLIER FOR DELIVERED LUMENS

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

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HOUSING DIMENSIONS

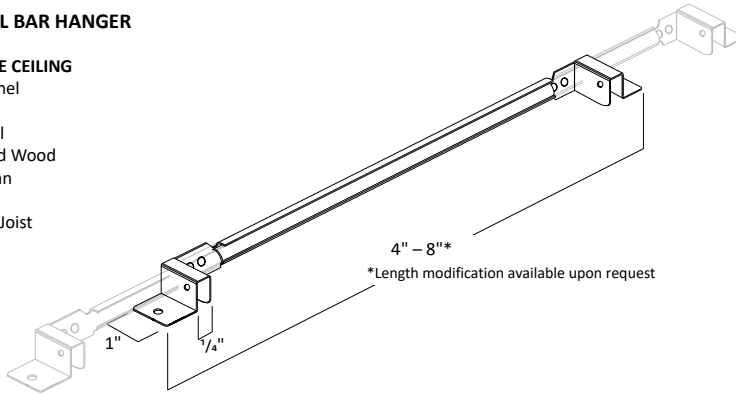


FRAME ACCESSORIES

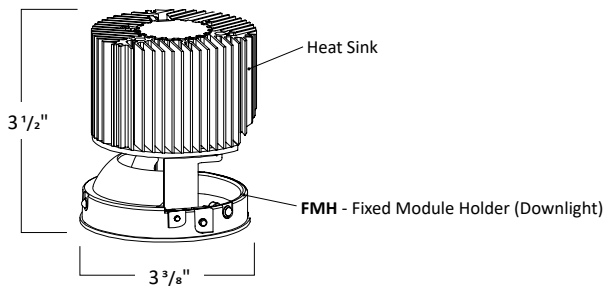
UNIVERSAL BAR HANGER

COMPATIBLE CEILING

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

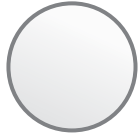


MODULE DIMENSIONS

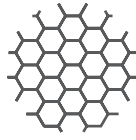


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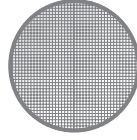
FILTERS



Frosted Filter



Honey Comb

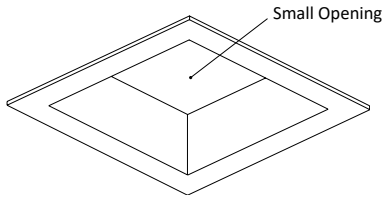


Solite Filter

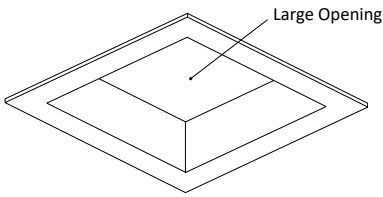
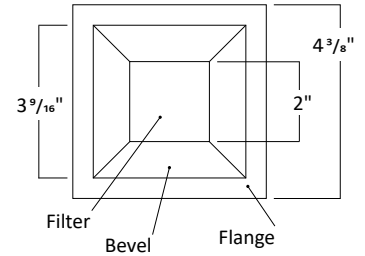
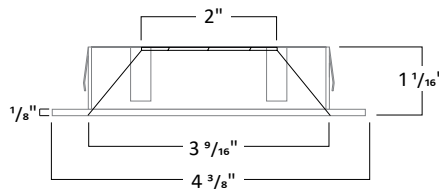


Linear Filter

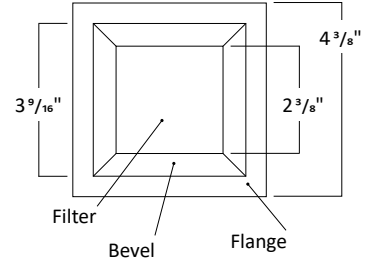
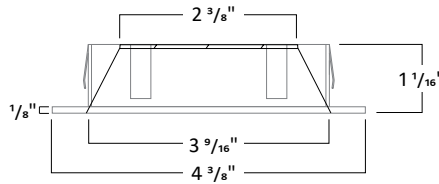
TRIM DIMENSIONS



3SFO-CS



3SFO-CL



TRIM FINISH

May be mixed and matched



White



Black



Haze



Bronze



Clear

*Consult Factory for Made to Order Finishes