



Gotham Architectural Downlighting
Renovation LED Downlights

8" Evo®
A-Series LED, Open/Wallwash Reflector, Retrofit Kit

Solid-State Lighting

FEATURES

OPTICAL SYSTEM

- Self-flanged semi-specular, matte-diffuse or specular lower reflector
- Patented Bounding Ray™ optical design (U.S. Patent No. 5,800,050)
- 45° cutoff to source and source image
- Top-down flash characteristic

MECHANICAL SYSTEM

- See Mounting Frame Compatibility chart for compatible Gotham mounting frames
- Junction box capacity: 8 (4 in, 4 out) 12AWG rated for 90°C
- 1-1/4" maximum ceiling thickness

ELECTRICAL SYSTEM

- Fully serviceable and upgradeable LED light engine

- 70% lumen maintenance at 50,000 hours based on IESNA LM-79-2008
- 120-277VAC, 50/60hz power supply with 0-10V dimming (10-100%); rated for 50,000-hour life
- Overload and short circuit protected

LISTINGS

- Fixtures are CSA certified to meet US and Canadian standards; wet location, covered ceiling

WARRANTY

- 5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

ORDERING INFORMATION

EXAMPLE: ALEDR 35/18 8AR 120

Series ¹	Color temperature	Nominal lumen values	Aperture/Trim color	Trim type	Finish	Voltage
ALEDR	27/ 2700 K	18 1800 lumens	8AR Clear	(blank) Downlight	(blank) Semi-specular	120
	30/ 3000 K	22 2200 lumens	8PR Pewter	W Wallwash	LD Matte diffuse	277
	35/ 3500 K	29 2900 lumens	8WTR Wheat		LS Specular	347
	41/ 4100 K		8GR Gold 8WR² White			

Driver	Options
(blank) ³ 0-10V dimming driver. Minimum dimming level 10%	SF Single fuse
ECOS3^{3,4} Lutron Hi-Lume® dimming driver. Minimum dimming level 1%	LRC Lithonia Reloc® system
	NSD⁵ Sensor Switch nLight™ dimming relay
	TRW⁶ White painted flange
	TRBL Black painted flange
	ELR⁷ Emergency battery pack with remote test switch

ACCESSORIES order as separate catalog numbers (shipped separately)

- CTA8 YKLED** Ceiling thickness adapter (extends mounting frame to accommodate ceiling thickness up to 2").
- ISD BC** 0-10V wallbox dimmer. Refer to [ISD-BC](#).

NOTES

ORDERING NOTES	
1. Consult factory for mounting frames other than Gotham.	5. One 5A relay with one 0-10 VDC dimming output, shipped installed. Requires additional nLight bus power supply (nPS80).
2. Not available with finishes.	6. Not available with white reflector.
3. Refer to TECH-240 for compatible dimmers.	7. For dimensional changes, refer to TECH-140 .
4. CSA certified for US only.	

8" EVO

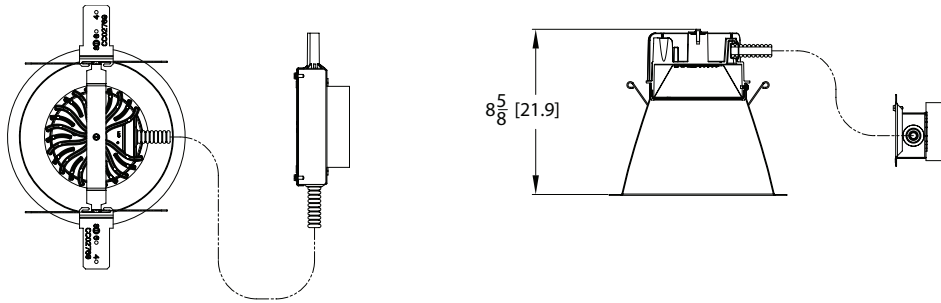
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DIMENSIONAL DATA

All dimensions are inches (centimeters) unless otherwise noted.



Aperture: 7-7/8 (20.1)
Ceiling Opening: 8-7/8 (21.5)
Overlap Trim: 9-1/4 (23.5)

DETERMINING MOUNTING FRAME COMPATIBILITY

Mounting frame must be a Gotham mounting frame series GRS, GRSF, GRSH, AFV, or LGFV. If not, please contact Gotham Technical Support at 800-315-4982 for additional solutions.

Step 1 – Measure

- a. Measure the inside diameter of the aperture opening.
- b. Measure the available plenum depth.

Step 2 – Verify

- a. If the measured mounting frame diameter matches and measured plenum depth is greater than listed in Table 1:

Then, the mounting frame is compatible with Gotham ALED.

If the frame is not compatible, please contact Gotham Technical Support for more options.

Notes:

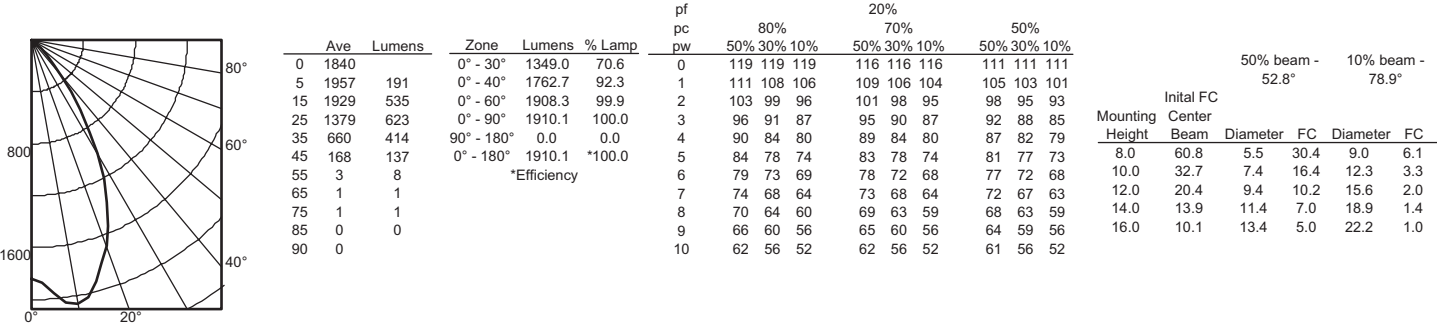
- 1. CTA6 YKLED is required for use with 6.63" inside diameter mounting frame.

Table 1

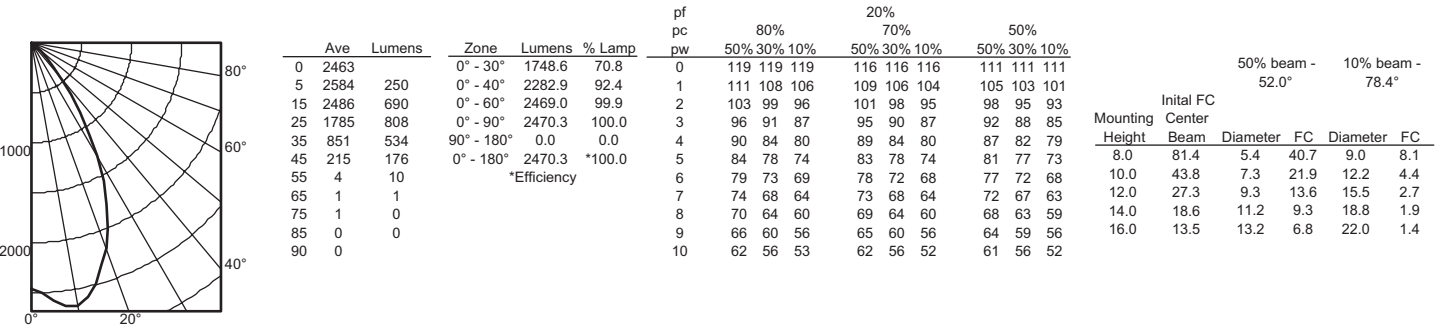
	Inside Diameter of Mounting Frame	Minimum Plenum Depth
4" downlight/wallwash	4.87"	6.938"
6" downlight	6.63" ¹ 6.87"	8.500" 8.000"
6" wallwash	6.63" 6.87"	N/A 8.000"
8" downlight/wallwash	8.18" 8.60"	9.125" 9.125"

Distribution Curve Distribution Data Output Data Coefficient of Utilization Illuminance: Single Luminaire 30" Above Floor

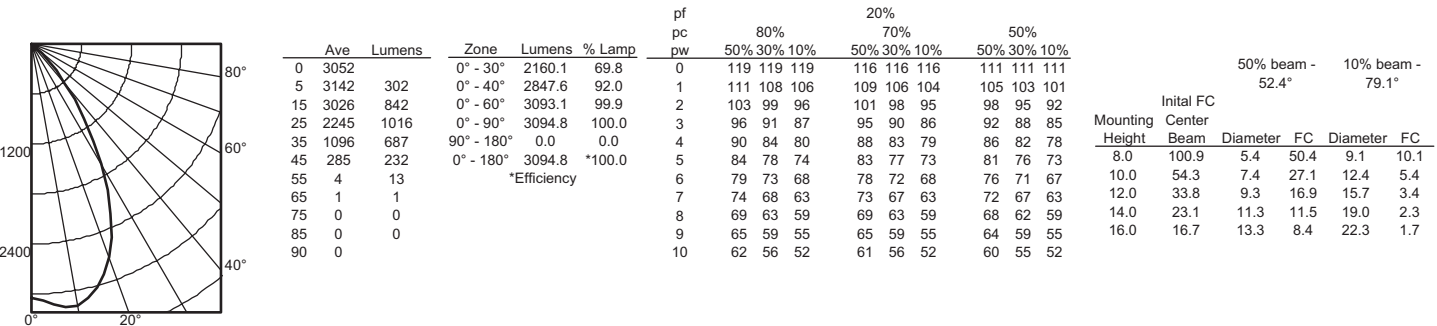
ALEDR 35/18 8AR LS INPUT WATTS: 34.6, DELIVERED LUMENS: 1910.1, LM/W=55.2, 1.0 S/MH, TEST NO. LTL21102



ALEDR 35/22 8AR LS INPUT WATTS: 39.3, DELIVERED LUMENS: 2470.3, LM/W=62.9, 1.0 S/MH, TEST NO. LTL21112



ALEDR 35/29 8AR LS INPUT WATTS: 48.6, DELIVERED LUMENS: 3094.8, LM/W=63.7, 1.0 S/MH, TEST NO. LTL21108



PHOTOMETRY NOTES

- Tested in accordance with IESNA LM-79-08.
- Tested to current IES and NEMA standards under stabilized laboratory conditions.
- Actual performance may differ as a result of end-user environment and application.
- Actual wattage may differ by +/- 10% when operating between 120-277V +/- 10%.
- CRI: 83 typical.
- Consult factory or IES file for microgroove baffle, black cone or other photometric reports.