



Gotham Architectural Downlighting
Renovation LED Downlights

6" 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 35/10 6AR 120

Series ¹	Color temperature	Nominal lumen values	Aperture/Trim color	Trim type	Finish	Voltage
ALEDR	27/ 2700 K	10 1000 lumens	6AR Clear	(blank) Downlight	(blank) Semi-specular	MVOLT 120 277 347
	30/ 3000 K	14 1400 lumens	6PR Pewter	W Wallwash	LD Matte diffuse	
	35/ 3500 K	18 1800 lumens	6WTR Wheat		LS Specular	
	41/ 4100 K		6GR Gold 6WR² White			

Driver	Options
(blank) ³ 0-10V dimming driver. Minimum dimming level 10%	SF Single fuse
ECOS^{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)

CTA6 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.	

6" EVO

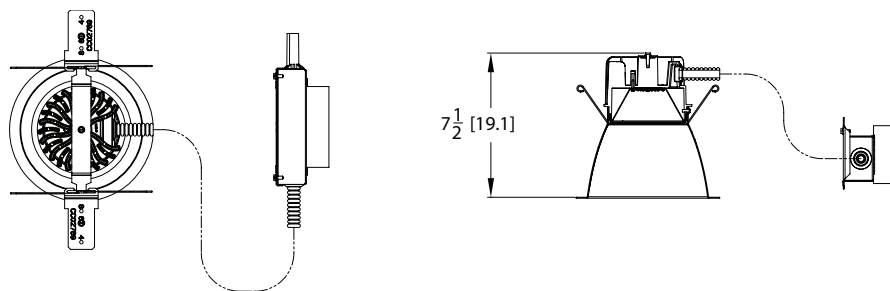
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DIMENSIONAL DATA

All dimensions are inches (centimeters) unless otherwise noted.



Aperture: 6-1/4 (15.9)
 Ceiling Opening: 7-1/8 (18.1)
 Overlap Trim: 7-3/4 (19.6)



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.

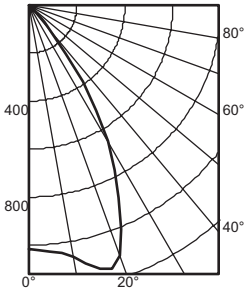
Table 1

	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 35/10 6AR LS

INPUT WATTS: 18.4, DELIVERED LUMENS: 1113.4, LM/W=60.5, LM/W= , 1.1 S/MH, TEST NO. LTL21133

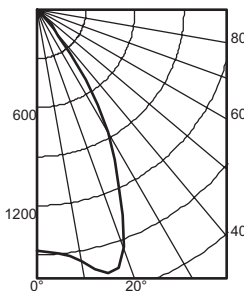


Ave	Lumens	Zone	Lumens	% Lamp	pf pc pw	80%			20%			50%		
						50%	30%	10%	50%	30%	10%	50%	30%	10%
0	1017	0° - 30°	822.0	73.8	0	119	119	119	116	116	116	111	111	111
5	1029	0° - 40°	1062.1	95.4	1	111	108	106	109	107	105	105	103	101
15	1139	0° - 60°	1112.7	99.9	2	103	99	96	102	98	95	98	95	93
25	885	0° - 90°	1113.4	100.0	3	97	92	88	95	91	87	93	89	86
35	391	90° - 180°	0.0	0.0	4	90	85	81	89	84	80	87	83	79
45	53	0° - 180°	1113.4	*100.0	5	85	79	75	84	78	74	82	77	74
55	1	*Efficiency			6	79	73	69	79	73	69	77	72	69
65	1				7	75	69	64	74	68	64	73	68	64
75	0				8	70	64	60	70	64	60	69	63	60
85	0				9	66	60	56	66	60	56	65	60	56
90	0				10	63	57	53	62	57	53	61	56	53

Initial FC		50% beam -		10% beam -	
Mounting Height	Center Beam	Diameter	FC	Diameter	FC
8.0	33.6	5.9	16.8	8.8	3.4
10.0	18.1	8.0	9.0	12.0	1.8
12.0	11.3	10.2	5.6	15.2	1.1
14.0	7.7	12.3	3.8	18.3	0.8
16.0	5.6	14.4	2.8	21.5	0.6

ALEDR 35/14 6AR LS

INPUT WATTS: 24.6, DELIVERED LUMENS: 1538.8, LM/W=62.6, 1.0 S/MH, TEST NO. LTL21127

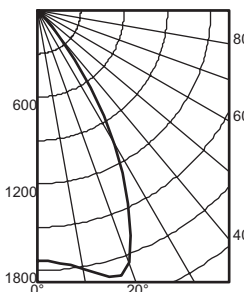


Ave	Lumens	Zone	Lumens	% Lamp	pf pc pw	80%			20%			50%		
						50%	30%	10%	50%	30%	10%	50%	30%	10%
0	1476	0° - 30°	1152.8	74.9	0	119	119	119	116	116	116	111	111	111
5	1498	0° - 40°	1470.5	95.6	1	111	109	106	109	107	105	105	103	101
15	1673	0° - 60°	1537.5	99.9	2	104	100	96	102	98	95	99	96	93
25	1192	0° - 90°	1538.8	100.0	3	97	92	88	95	91	87	93	89	86
35	520	90° - 180°	0.0	0.0	4	91	85	81	89	84	81	87	83	80
45	71	0° - 180°	1538.8	*100.0	5	85	79	75	84	79	75	82	78	74
55	2	*Efficiency			6	80	74	70	79	74	70	78	73	69
65	1				7	75	69	65	74	69	65	73	68	65
75	0				8	71	65	61	70	65	61	69	64	61
85	0				9	67	61	57	66	61	57	65	60	57
90	0				10	63	58	54	63	57	54	62	57	54

Initial FC		50% beam -		10% beam -	
Mounting Height	Center Beam	Diameter	FC	Diameter	FC
8.0	48.8	5.7	24.4	8.6	4.9
10.0	26.2	7.7	13.1	11.8	2.6
12.0	16.4	9.8	8.2	14.9	1.6
14.0	11.2	11.9	5.6	18.0	1.1
16.0	8.1	13.9	4.1	21.2	0.8

ALEDR 35/18 6AR LS

INPUT WATTS: 28.1, DELIVERED LUMENS: 1858.1, LM/W=66.1, 1.1 S/MH, TEST NO. LTL20947



Ave	Lumens	Zone	Lumens	% Lamp	pf pc pw	80%			20%			50%		
						50%	30%	10%	50%	30%	10%	50%	30%	10%
0	1728	0° - 30°	1374.7	74.0	0	119	119	119	116	116	116	111	111	111
5	1754	0° - 40°	1772.2	95.4	1	111	108	106	109	107	105	105	103	101
15	1912	0° - 60°	1856.8	99.9	2	103	99	96	102	98	95	98	96	93
25	1474	0° - 90°	1858.1	100.0	3	97	92	88	95	91	87	93	89	86
35	649	90° - 180°	0.0	0.0	4	90	85	81	89	84	80	87	83	79
45	88	0° - 180°	1858.1	*100.0	5	85	79	75	84	78	74	82	77	74
55	3	*Efficiency			6	79	74	69	79	73	69	77	72	69
65	1				7	75	69	65	74	68	64	73	68	64
75	0				8	70	64	60	70	64	60	69	64	60
85	0				9	66	61	57	66	60	56	65	60	56
90	0				10	63	57	53	62	57	53	62	56	53

Initial FC		50% beam -		10% beam -	
Mounting Height	Center Beam	Diameter	FC	Diameter	FC
8.0	57.1	5.8	28.6	8.7	5.7
10.0	30.7	7.9	15.4	11.9	3.1
12.0	19.1	10.0	9.6	15.1	1.9
14.0	13.1	12.1	6.5	18.3	1.3
16.0	9.5	14.2	4.7	21.5	0.9

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.