



Gotham Architectural Downlighting  
LED Downlights

**6" Evo®**  
A-Series LED, Non-Conductive Shower Light

Solid-State Lighting

FEATURES

**OPTICAL SYSTEM**

- Face plate made of impact-modified acrylic for excellent durability and light transmission
- "Dead front" shower light for added safety
- White painted flange

**MECHANICAL SYSTEM**

- 16-gauge galvanized steel construction; maximum 1-1/4" ceiling thickness
- Telescopic mounting bars maximum of 32" and minimum of 15", preinstalled, 4" vertical adjustment
- Toolless adjustments post installation
- Junction box capacity: 8 (4 in, 4 out ) 12AWG rated for 90°C
- Light engine and driver accessible through aperture

**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
- IP65 rated; suitable for steam room applications

**WARRANTY**

- 5-year limited warranty. Complete warranty terms located at: [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx)

ORDERING INFORMATION

**EXAMPLE: ALED 35/10 6DFR 120**

Series	Color temperature	Nominal lumen values	Aperture	Trim style	Voltage	Driver					
ALED	27/	2700 K	10	1000 lumens	6	DFR	Dead (non-conductive) front regressed	MVOLT	120	(blank) <sup>1</sup>	0-10V dimming driver. Minimum dimming level 10%
	30/	3000 K	14	1400 lumens							
	35/	3500 K	18	1800 lumens							
	41/	4100 K									
				DFD	Dead (non-conductive) front drop	ECOS3 <sup>1,2</sup>	Lutron Hi-Lume® dimming driver. Minimum dimming level 1%				

Options

SF	Single fuse	ELR <sup>5</sup>	Emergency battery pack with remote test switch
LRC	Lithonia Reloc® system	CP	Chicago plenum
NSD <sup>3</sup>	Sensor Switch nLight™ dimming relay		
TRW <sup>4</sup>	White painted flange		

ACCESSORIES order as separate catalog numbers (shipped separately)

SCA6	Sloped ceiling adapter. Degree of slope must be specified (10D, 15D, 20D, 25D, 30D). Ex: SCA6 10D. Refer to <a href="#">TECH-190</a> .
CTA6 YKLED	Ceiling thickness adapter (extends mounting frame to accommodate ceiling thickness up to 2").
ISD BC	0-10V wallbox dimmer. Refer to <a href="#">ISD-BC</a> .

NOTES

ORDERING NOTES

1. Refer to [TECH-240](#) for compatible dimmers.
2. CSA certified for US only.
3. One 5A relay with one 0-10 VDC dimming output, shipped installed. Requires additional nLight bus power supply (nPS80).
4. Not available with white reflector.
5. For dimensional changes refer to [TECH-140](#).

6" EVO

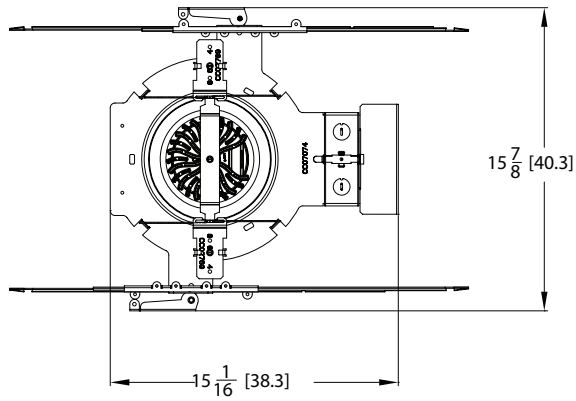
A-Series LED, Non-Conductive Shower Light

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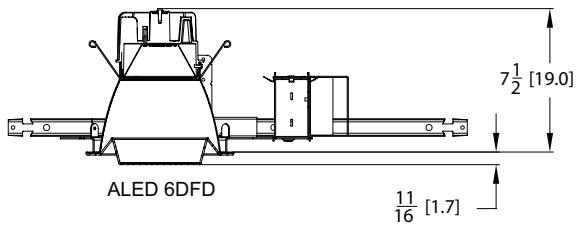
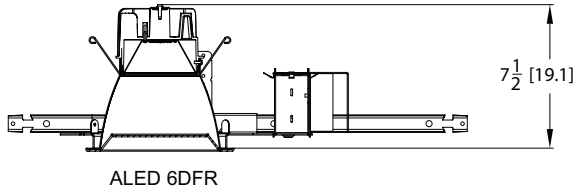


DIMENSIONAL DATA

All dimensions are inches (centimeters) unless otherwise noted.



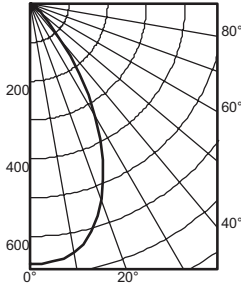
Aperture: 6-1/4 (15.9)  
Ceiling Opening: 7-1/8 (18.1)  
Overlap Trim: 7-3/4 (19.6)



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

**ALED 35/10 6DFR**

INPUT WATTS: 22, DELIVERED LUMENS: 661, LM/W=30.0, 0.9 S/MH, TEST NO. LTL20129

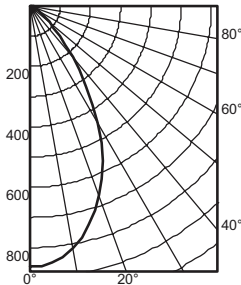


Ave Lumens	Zone	Lumens	% Lamp	pf pc pw	80%			70%			50%			50% beam - 49.5°	10% beam - 78.0°
					50%	30%	10%	50%	30%	10%	50%	30%	10%		
0	0° - 30°	433.4	65.6	0	119	119	119	116	116	116	111	111	111		
5	0° - 40°	572.4	86.6	1	110	107	105	108	105	103	104	102	100		
15	0° - 60°	645.0	97.6	2	102	97	94	100	96	93	97	93	91		
25	0° - 90°	660.9	100.0	3	94	89	85	93	88	84	90	86	83		
35	90° - 180°	0.0	0.0	4	88	82	77	86	81	77	84	79	76		
45	0° - 180°	660.9	*100.0	5	82	75	71	81	75	70	79	74	70		
55			*Efficiency	6	76	70	65	75	69	65	74	69	65		
65				7	71	65	61	71	65	60	69	64	60		
75				8	67	61	56	66	60	56	65	60	56		
85				9	63	57	53	63	57	53	62	56	52		
90				10	60	53	49	59	53	49	58	53	49		

Mounting Height	Initial Center Beam	50% beam - 49.5°		10% beam - 78.0°	
		Diameter	FC	Diameter	FC
8.0	22.2	5.1	11.1	8.9	2.2
10.0	11.9	6.9	6.0	12.2	1.2
12.0	7.4	8.8	3.7	15.4	0.7
14.0	5.1	10.6	2.5	18.6	0.5
16.0	3.7	12.4	1.8	21.9	0.4

**ALED 35/14 6DFD**

INPUT WATTS: 31, DELIVERED LUMENS: 965, LM/W=31.1, 0.9 S/MH, TEST NO. LTL20130

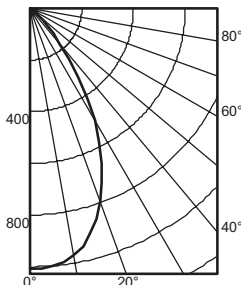


Ave Lumens	Zone	Lumens	% Lamp	pf pc pw	80%			70%			50%			50% beam - 49.2°	10% beam - 82.0°
					50%	30%	10%	50%	30%	10%	50%	30%	10%		
0	0° - 30°	546.8	56.7	0	119	119	119	116	116	116	111	111	111		
5	0° - 40°	749.4	77.6	1	109	106	103	106	104	101	102	100	98		
15	0° - 60°	907.2	94.0	2	99	94	90	97	93	89	94	90	87		
25	0° - 90°	963.1	99.8	3	91	85	80	90	84	80	87	82	78		
35	90° - 120°	2.0	0.2	4	84	77	72	83	77	72	80	75	71		
45	90° - 130°	2.0	0.2	5	78	71	66	77	70	66	75	69	65		
55	90° - 150°	2.0	0.2	6	72	65	60	71	65	60	70	64	60		
65	90° - 180°	2.0	0.2	7	67	60	55	66	60	55	65	59	55		
75	0° - 180°	965.2	*100.0	8	63	56	51	62	56	51	61	55	51		
85			*Efficiency	9	59	52	48	58	52	48	57	51	47		
90				10	55	49	44	55	49	44	54	48	44		

Mounting Height	Initial Center Beam	50% beam - 49.2°		10% beam - 82.0°	
		Diameter	FC	Diameter	FC
8.0	28.5	5.0	14.3	9.6	2.9
10.0	15.3	6.9	7.7	13.0	1.5
12.0	9.6	8.7	4.8	16.5	1.0
14.0	6.5	10.5	3.3	20.0	0.7
16.0	4.7	12.4	2.4	23.5	0.5

**ALED 35/14 6DFR**

INPUT WATTS: 31, DELIVERED LUMENS: 978, LM/W=31.5, 0.9 S/MH, TEST NO. LTL20131

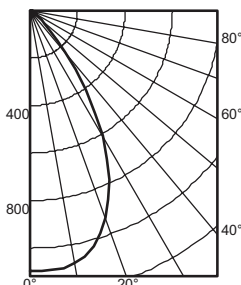


Ave Lumens	Zone	Lumens	% Lamp	pf pc pw	80%			70%			50%			50% beam - 49.2°	10% beam - 77.6°
					50%	30%	10%	50%	30%	10%	50%	30%	10%		
0	0° - 30°	644.2	65.8	0	119	119	119	116	116	116	111	111	111		
5	0° - 40°	848.2	86.7	1	110	107	105	108	106	103	104	102	100		
15	0° - 60°	954.3	97.5	2	102	97	94	100	96	93	97	93	91		
25	0° - 90°	978.7	100.0	3	94	89	85	93	88	84	90	86	83		
35	90° - 180°	0.0	0.0	4	88	82	77	86	81	77	84	80	76		
45	0° - 180°	978.7	*100.0	5	82	75	71	81	75	71	79	74	70		
55			*Efficiency	6	76	70	65	75	70	65	74	69	65		
65				7	71	65	61	71	65	61	69	64	60		
75				8	67	61	57	67	61	56	65	60	56		
85				9	63	57	53	63	57	53	62	56	53		
90				10	60	54	50	59	53	49	58	53	49		

Mounting Height	Initial Center Beam	50% beam - 49.2°		10% beam - 77.6°	
		Diameter	FC	Diameter	FC
8.0	33.4	5.0	16.7	8.9	3.3
10.0	17.9	6.9	9.0	12.1	1.8
12.0	11.2	8.7	5.6	15.3	1.1
14.0	7.6	10.5	3.8	18.5	0.8
16.0	5.5	12.3	2.8	21.7	0.6

**ALED 35/18 6DFR**

INPUT WATTS: 38.5, DELIVERED LUMENS: 1164, LM/W=30.2, 1.0 S/MH, TEST NO. LTL20133



Ave Lumens	Zone	Lumens	% Lamp	pf pc pw	80%			70%			50%			50% beam - 51.8°	10% beam - 79.4°
					50%	30%	10%	50%	30%	10%	50%	30%	10%		
0	0° - 30°	745.8	64.1	0	119	119	119	116	116	116	111	111	111		
5	0° - 40°	1000.0	85.9	1	110	107	105	108	105	103	104	102	100		
15	0° - 60°	1133.5	97.4	2	101	97	93	100	96	92	96	93	90		
25	0° - 90°	1164.0	100.0	3	94	88	84	92	87	83	90	86	82		
35	90° - 180°	0.0	0.0	4	87	81	77	86	80	76	84	79	75		
45	0° - 180°	1164.0	*100.0	5	81	75	70	80	74	70	78	73	69		
55			*Efficiency	6	76	69	65	75	69	64	73	68	64		
65				7	71	64	60	70	64	60	69	63	59		
75				8	66	60	56	66	60	55	65	59	55		
85				9	62	56	52	62	56	52	61	55	52		
90				10	59	53	49	58	52	48	57	52	48		

Mounting Height	Initial Center Beam	50% beam - 51.8°		10% beam - 79.4°	
		Diameter	FC	Diameter	FC
8.0	36.3	5.3	18.1	9.1	3.6
10.0	19.5	7.3	9.8	12.5	2.0
12.0	12.2	9.2	6.1	15.8	1.2
14.0	8.3	11.2	4.2	19.1	0.8
16.0	6.0	13.1	3.0	22.4	0.6

**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.