

Gotham Architectural Downlighting
LED Downlights

6" Evo®
Open Reflector

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

- 16-gauge galvanized steel construction; maximum 1-1/2" 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 lensed LED light engine
- 70% lumen maintenance at 60,000 hours based on IESNA LM-79-2008
- 120-277VAC, 50/60hz power supply with 0-10V dimming (10-100%)
- Overload and short circuit protected
- LEDs tested under LM80

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: EVO 35/10 6AR 120

Series	Color temperature	Nominal lumen values	Aperture/Trim color	Distribution	Finish	Voltage
EVO	27/ 2700 K 30/ 3000 K 35/ 3500 K 41/ 4100 K	10 1000 lumens 14 1400 lumens 18 1800 lumens 22 2200 lumens	6AR Clear 6PR Pewter 6WTR Wheat 6GR Gold 6WR¹ White	(blank) 1.0 s/mh VND Very narrow (0.5 s/mh) ND Narrow (0.6 s/mh) MD Medium (0.8 s/mh) WD Wide (1.2 s/mh)	(blank) Semi-specular LD Matte diffuse LS Specular	120 277 347²

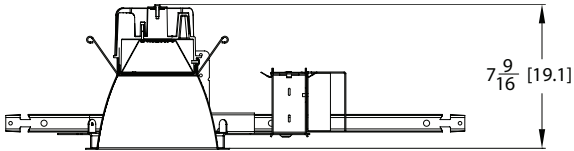
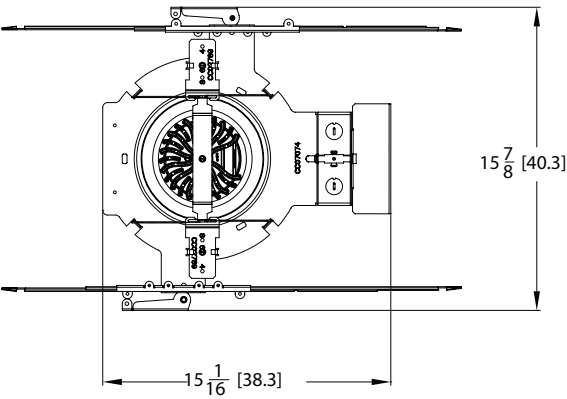
Driver	Options
(blank) ³ 0-10V dimming driver. Minimum dimming level 10%	SF Single fuse
ECOS2^{4,5} Lutron® Hi-Lume® 2-wire forward-phase dimming driver. Minimum dimming level 1%	RRL RELOC®-ready luminaire connectors enable a simple and consistent factory installed option across all ABL luminaire brands. Refer to RRL for complete nomenclature.
ECOS3^{3,4} Lutron® Hi-Lume® 3-wire or EcoSystem® dimming driver. Minimum dimming level 1%	NEPP⁶ Interface for Sensor Switch® nLight® network provided with integral power supply. Refer to TN-623-01 .
	NSD⁶ Sensor Switch® nLight® one 5A relay with one 0-10 VDC dimming output; requires bus power, such as nPP16 power pack. Refer to nSP5-D .
	TRW⁷ White painted flange
	TRBL Black painted flange
	EL^{8,9} Emergency battery pack with integral test switch
	ELR^{8,9} Emergency battery pack with remote test switch
	CP¹⁰ Chicago plenum
	BGTD Bodine generator transfer device

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 TECH-190 .
CTA4-8 YK	Ceiling thickness adapter (extends mounting frame to accommodate ceiling thickness up to 2").
GVRT	Vandal-resistant trim accessory. Refer to TECH-200 .
ISD BC	0-10V wallbox dimmer. Refer to ISD-BC .
nSP5 D ER KIT	Sensor Switch nLight secondary relay and dimming pack device used to switch and dim luminaires powered via an emergency circuit. Refer to nSP5 D ER KIT .

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: 7-1/2 (19.1)

ELECTRICAL

WATTAGE CONSUMPTION MATRIX		
LUMENS	WATTAGE	LUMENS per WATT
2200	32	67
1800	28	66
1400	25	63
1000	18	61

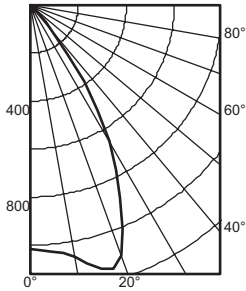
NOTES

ORDERING NOTES	
1. Not available with finishes.	7. Not available with white reflector.
2. Not valid with emergency options, i.e., EL and ELR.	8. For dimensional changes, refer to TECH-140 . Not available with CP option. Not available with 347V.
3. Refer to TECH-240 for compatible dimmers.	9. Must specify 120 or 277V.
4. Not available with NEPP option.	10. Not available with EL or ELR options.
5. 120V only.	
6. For Emergency generator/inverter applications order non-nLight-enabled fixture and NSP5 D ER KIT as an accessory. Refer to NSP5 D ER KIT .	

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

EVO 35/10 6AR LS

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

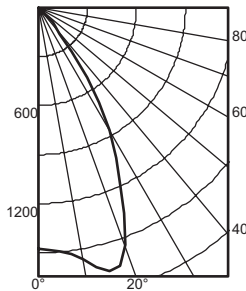


Ave	Lumens	Zone	Lumens	% Lamp	pf pc pw	80%			20% 70%			50%		
						50%	30%	10%	50%	30%	10%	50%	30%	10%
0	1017	0° - 30°	822.0	73.8	0	119	119	119	116	116	116	111	111	111
5	1029	0° - 40°	1062.1	95.4	1	111	108	106	109	107	105	105	103	101
15	1139	0° - 60°	1112.7	99.9	2	103	99	96	102	98	95	98	95	93
25	885	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				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

Mounting Height	Initial FC Center Beam		Diameter	FC	Diameter	FC
	Beam	Beam				
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	

EVO 35/14 6AR LS

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

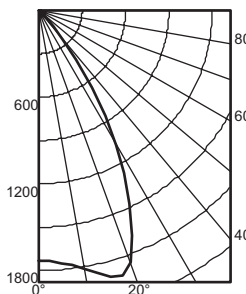


Ave	Lumens	Zone	Lumens	% Lamp	pf pc pw	80%			20% 70%			50%		
						50%	30%	10%	50%	30%	10%	50%	30%	10%
0	1476	0° - 30°	1152.8	74.9	0	119	119	119	116	116	116	111	111	111
5	1498	0° - 40°	1470.5	95.6	1	111	109	106	109	107	105	105	103	101
15	1673	0° - 60°	1537.5	99.9	2	104	100	96	102	98	95	99	96	93
25	1192	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				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

Mounting Height	Initial FC Center Beam		Diameter	FC	Diameter	FC
	Beam	Beam				
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	

EVO 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% 70%			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				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

Mounting Height	Initial FC Center Beam		Diameter	FC	Diameter	FC
	Beam	Beam				
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.