



Available with 10% dimming, 1% dimming, or dim to dark

UGR of zero for fixtures aimed at nadir with a cut-off equal to or less than 60deg per CIE 117-1995 Discomfort Glare

Batwing distribution with feathered edges provides even

illumination on horizontal and vertical surfaces

ENERGY STAR® certified product

in Interior Lighting. UGR FAQ

ds

design select

*See ordering tree for details

Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit <u>www.acuitybrands.com/designselect</u>.



General Illumination Round Downlight

Feature Set

- Bounding Ray[™] optical design
- Unitized optics mechanically attach the light engine to the lower reflector for complete optical alignment.
- 45° cutoff to source and source image
- · Fully serviceable and upgradeable lensed LED light engine
- 70% lumen maintenance at 60,000 hours
- 2.5 MacAdam Ellipse; 85 CRI typical, 90+ CRI optional
- Fixtures are wet location, covered ceiling

Distribution

Medium (MD) Medium Wide (MDW) 0.9 S:MH 1.0 S:MH

Superior Perfomance*

Nominal Lumens	250	500	750	1000	1500	2000	2500	3000	3500	4000	4500
Delivered Lumens	271	573	808	1001	1527	1994	2580	3110	3612	4120	4584
Wattage	3.1	7.2	7.9	8.8	13.7	19.5	25.7	31.2	38.4	35.4	40.1
Lumens per Watt	87.4	79.6	102.3	113.8	111.5	102.3	100.4	99.7	94.1	116	114

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Wide (WD)

1.2 S:MH

*Based on 3500K AR LSS MWD 80CRI

Coordinated Apertures | Multiple Layers of Light

General Illumination Layer | EVO

COMPLEMENTARY PRODUCTS

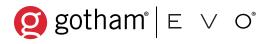


EVO + Incito — Multiple Layers of Light



High Center Beam Layer | Incito

GOTHAM ARCHITECTURAL DOWNLIGHTING | 1400 Lester Road Conyers, GA 30012 | P 800-705-SERV (7378) | gothamlighting.com © 2014-2023 Acuity Brands Lighting Inc. All Rights Reserved. Rev. 10/24/23 Specifications subject to change without notice.



Design Select options indicated by this color background.

EXAMPLE: EV04 35/25 AR MWD LSS 120 EZ1

Luminaire Type:

Catalog Number:

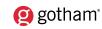
Series	Color T	emperature	Nom	inal Lumen Value)S	Reflector & Flange Color 1		Trim Sty	le	Finisl	1	Distrib	ution	Voltage
EVO4	27/ 30/ 35/ 40/ 50/	2700 K 3000 K 3500 K 4000 K 5000 K	02 05 07 10 15 20 25 30 35 40 45	250 lumens 500 lumens 750 lumens 1000 lumens 2000 lumens 2500 lumens 3500 lumens 4000 lumens 4500 lumens		AR PR WTR GR WR ¹ BR ¹ WRAMF ¹ TRALTBD ^{1,2} TCPC ¹	Clear Pewter Wheat Gold White Black White Anti-microbial RAL paint for pricing only Custom paint color	(blank) FL	Self-flanged Flangeless	LSS LD LS	Semi-specular Matte-diffuse Specular	MD MWD WD	Medium (0.9 s/mh) Medium wide (1.0 s/mh) Wide (1.2 s/ mh)	MVOLT 120 277 347 ^{3,4}

Driver ⁵		Control Interfa	ace	Emergency	Options	Options	
GZ10 GZ1 EZ10 EZ1 EZB EDAB EDXB	0-10V driver dims to 10% 0-10V driver dims to 1% eldoLED 0-10V ECOdrive. Linear dim- ming to 10% min. eldoLED 0-10V SCLOdrive. Linear dim- ming to 1% min. eldoLED 0-10V SOLOdrive. Logarithmic dimming to <1%. eldoLED POWERdrive DMX with RDM (remote device management). Square Law dimming to <1%. Minimum 1000 lumens. Includes termination resistor. Refer to <u>DMXR Manual</u> . Lutron Ecosystem digital Hi-Lume 1% soft-on, fade to black. Min: 250LLM; Max: 4000LM.	NLT ⁷ NLTER ^{3,7,8} NLTAIR2 ^{9,10} NLTAIRER2 ^{3,8,9} NLTAIREM2 ^{3,9}	nLight [®] dimming pack controls nLight [®] dimming pack controls emergency circuit nLight [®] Air enabled nLight [®] AIR Dimming Pack Wireless Controls. Controls fixtures on emergency circuit nLight [®] AIR Dimming Pack Wireless Controls. Controls fixtures on emergency circuit with battery pack options.	EL ¹¹ ELR ¹¹ ELSD ¹¹ ELRSD ¹¹ E10WCP ¹¹ E10WCPR ¹¹ BGTD	Emergency battery pack, 10W, with integral test switch Emergency battery pack, 10W, with remote test switch Emergency battery pack, 10W, with self-diagnostics, integral test switch Emergency battery pack, 10W, with self-diagnostics, remote test switch Emergency battery pack, 10W Constant Power, CA Title 20 compliant with integral test switch Emergency battery pack, 10W Constant Power, CA Title 20 compliant with remote test switch Bodine generator transfer device. Specify 120V or 277V.	SF TRW ¹² TRBL ¹³ FRALTBD ² FCPC N80 ¹⁴ GTD 90CRI CP ¹⁵ RRL	Single Fuse. Specify 120V or 277V White painted flange Black painted flange Flange ring only RAL color for pricing only Flange custom paint color nLight® Lumen Compensation generator transfer device. Specify 120V or 277V High CRI (90+) Chicago Plenum. Specify 120V or 277V for 5000Im and above. RELOC®-ready luminaire connectors enable a simple and consistent factory installed option across all ABL lumi- naire brands. Available only with RRLA, RRLB, RRLAE, and RRLC128. Refer to RRL Spec sheet on www.acuitybrands. com for RELOC® product specifica- tions. Above ceiling access required.

ACCESSORIES -	- order as separate catalog numbers (shipped separately)
SCA4	Sloped ceiling adapter. Degree of slope must be specified (5D, 10D, 15D, 20D, 25D, 30D). Ex: SCA4 10D. Refer to <u>TECH-190</u> .
CTAEVO4	4" Aperture ceiling thickness adapter (extends mounting frame to accommodate ceiling thickness up to 5").
CTA4-8 YK	4"-8" Aperture ceiling thickness adapter (extends mounting frame to accommodate ceiling thickness up to 5"). For use with CWW/DWW trims, EDXB, CP or nTune options.
ISD BC	0-10V wallbox dimmer. Refer to ISD-BC.

ORDERING NOTES

1. 2.	Not available with finishes. Replace with applicable RAL number and finish when ready to order. See <u>RAL BROCHURE</u>	10.	When combined with the EZ1, EZ10, or EZB option, normal luminaires (non-emergency) can be used as a normal power sensing device for nearby nLight AIR devices and luminaires with EM emergency options.
	for available color options. Not available with emergency battery pack options.	11.	11" of plenum depth or top access required for battery pack maintenance.
3.	Not available with emergency battery pack options.	12.	For use with different reflector finish only (i.e. AR, PR, WTR, GR options). Not applicable with WR (white
4.	Supplied with factory installed step down transformer.		reflector) or FL (flangeless) option.
5.	Refer to TECH-240 for compatible dimmers.	13.	For use with different reflector finish only (i.e. AR, PR, WTR, GR options). Not applicable with BR (black
6.	Not available with nLight [®] .		reflector) or FL (flangeless) option.
7.	Must specify voltage.	14.	Fixture begins at 80% light level. Must be specified with NLT or NLTER. Only available with EZ10 and EZ1
8.	ER for use as UL924 Emergency Operation via power sense lead. Will require an emergency		drivers.
	hot feed and normal hot feed. EM for use as UL924 Emergency Operation via power interrupt	15.	Not available with ELR, HAO, or EXAB, or any nLight® AIR dimming options.
	detection.		
9.	Not available DALI or DMX drivers. Not available with CP or N80 options. Not recommended		
	for metal ceiling installations.		





Optical Assemby

Optical design is a Bounding Ray[™] design with 45° cutoff to source and source image. Top-down flash characteristic for superior glare control. Unitized optics shall have mechanical attachment of the light engine to the lower reflector for complete optical alignment.

Electrical

SPECIFICATIONS

The luminaire shall operate from a 50 or 60 Hz ±3 Hz AC line over a voltage ranging from 120 VAC to 277 VAC. The fluctuations of line voltage shall have no visible effect on the luminous output.

The luminaire shall have a power factor of 90% or greater at all standard operating voltages and full luminaire output.

Sound Rated A+. Driver shall be >80% efficient at full load across all input voltages.

Input wires shall be 18AWG, 300V minimum, solid copper.

Controls

Luminaire shall be equipped with interface for nLight wired or wireless network with integral power supply as per specification.

Dimming

The luminaire shall be capable of continuous dimming without perceivable stroboscopic flicker as measured by flicker index (ANSI/IES RP-16-10) over a range of 100 - 10%, 100 - 1.0% or 100 - 0.1% of rated lumen output with a smooth shut off function to step to 0%.

eldoLED LED drivers shall conform to IEEE P1789 standards. Alternatively, manufacturers must demonstrate conformance with product literature and testing which demonstrates this performance. Systems that do not meet IEEE P1789 will not be considered.

Driver is inaudible in 24dB environment, and stable when input voltage conditions fluctuate over what is typically experienced in a commercial environment.

Construction

Fully serviceable and upgradeable lensed LED light engine, both the driver and light engine are suitable for field maintenance and are serviceable from above or below the ceiling.

Luminaire housing shall be constructed of 20-gauge galvanized steel and have telescopic mounting bars with maximum 26" and minimum 15" extension and 4" vertical adjustment.

Luminaires shall be suitable for installation in ceilings up to 1½" thick. (specify ceiling thickness adapter to extend frame to accommodate ceiling thickness up to 2").

Tool-less adjustments shall be possible after installation.

The assembly and manufacturing process for the luminaire shall be designed to assure all internal components are adequately supported to withstand mechanical shock and vibration.

25°C ambient temperature standard (1/2" clearance on all sides from non-combustible materials in non-IC applications, unless marked spacing noted otherwise). For use in insulated ceilings, a 3" clearance on all sides from insulation is required (unless marked spacing noted otherwise).

Listings

Fixtures are CSA certified to meet US and Canadian Standards: All fixtures manufactured in strict accordance with the appropriate and current requirements of the "Standards for Safety" to UL, wet location covered ceiling. Luminaire configurations are Energy Star certified through testing in EPA–recognized laboratories, with the results reviewed by an independent, accredited certification organization. Visit <u>www.energystar.gov</u> for specific configurations listed.

BUY AMERICAN ACT

This product is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. Please refer to <u>www.acuitybrands.com/buy-american</u> for additional information.

Photometrics

LEDs tested to LM-80 standards. Measured by IESNA Standard LM-79-08 in an accredited lab. Lumen output shall not decrease by more than 30% over the minimum operational life of 60,000 hours.

Color appearance from luminaire to luminaire of the same type and in all configurations, shall be consistent both initially and at 60,000 hours and operate within a tolerance of <2.5 MacAdam ellipse as defined by a point at the intersection of the CCT line and the black body locus line in CIE chromaticity space.

Warranty

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note:

Actual performance may differ as a result of end user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C.

****** Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provided consistent color appearance and out-of-the-box control capability with simple commissioning when used with Acuity Brands controls products.

All configurations of this luminaire are calibrated and tested meet the Acuity Brands' specification for chromatic consistency - including color rendering, color fidelity and color temperature tolerance around standard CIE chromaticity coordinates.

To learn more about A+, visit www.acuitybrands.com/aplus.





EVO - eldoLED Driver Default Dimming Curve										
Nomenclature	Min Dimming	Driver Dim Curve	Control Dim Curve							
EZ10	10%	Linear	Linear/Logarithmic							
EZ1	1%	Linear	Linear/Logarithmic							
EXA1	1%	Linear	Linear/Logarithmic							
EZB	<1%	Logarithmic	Linear							
EDAB	<1%	Logarithmic	Linear							
EDXB	<1%	Logarithmic	Linear							

	Driver		Control Provided (note: 347V/UVOLT versions provided with 347 option selected)										
Nomenclature	Description	NLT	NLTER	NLTAIR2	NLTAIR2ER	NLTAIREM2							
GZ10	0-10V driver dims to 10%	nPP16 D EFP	nPP16 D ER EFP	RPP20 D 24V G2	RPP20 D 24V ER G2	RPP20 D 24V ER G2							
GZ1	0-10V driver dims to 1%	nPP16 D EFP	nPP16 D ER EFP	RPP20 D 24V G2	RPP20 D 24V ER G2	RPP20 D 24V ER G2							
EZ10	eldoLED 0-10V ECOdrive	nPS 80 EZ	nPS 80 EZ ER	RPP20 D 24V G2	RPP20 D 24V ER G2	RPP20 D 24V ER G2							
EZ1	eldoLED 0-10V ECOdrive	nPS 80 EZ	nPS 80 EZ ER	RPP20 D 24V G2	RPP20 D 24V ER G2	RPP20 D 24V ER G2							
EZB	eldoLED 0-10V SOLOdrive	nPS 80 EZ	nPS 80 EZ ER	RPP20 D 24V G2	RPP20 D 24V ER G2	RPP20 D 24V ER G2							

How to Estimate Delivered Lumens in Emergency Mode

Delivered Lumens = 1.25 x P x LPW

P =Output power of emergency driver. P = 10W for PS1055CP

LPW = Lumen per watt rating of the luminaire. This information is available on the ABL luminaire spec sheet.

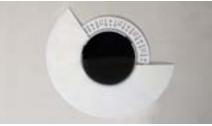
Flangeless Installation

Gotham's flangeless option utilizes a micro-thin polymer mud ring that minimizes the amount of drywall compound required to finish the ceiling. The end result is a virtually undetectable flangeless downlight installation.

The polymer mud ring is installed independent of the of the recessed frame, therefore floating with the ceiling. This innovation minimizes any surface cracks during reflector installation, ceiling movement and any future service to the recessed frame, wiring, electronics, etc.



Partially finished mud ring, showing cross-section detail.



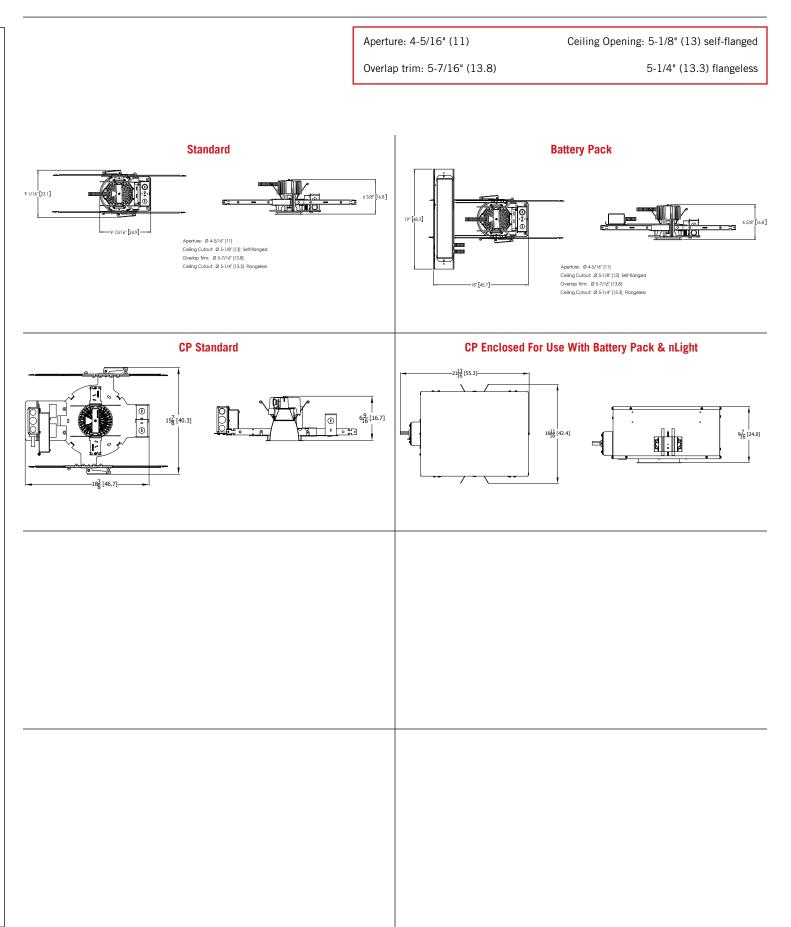
An EVO downlight requires only approximately 3" of plaster to finish.

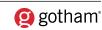


EVO with flangeless trim





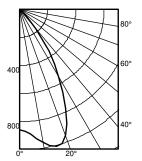






EV04 35/10 MWD LS INPUT WATTS: 8.8W, DELIVERED LUMENS: 1001.7LM, LPW = 113.8, 1.08 S/MH, TEST NO. LTL27786P131

nf



						μ				20	/0										
						рс		80%			70%			50%							
	Ave	Lumens	Zone L	umens	% Lamp	pw	50%	30%	10%	50%	30%	10%	50%	30%	10%						
0	856		0° - 30°	717.4	71.6	0	119	119	119	116	116	116	111	111	111			50% be		10% be	
5	888	87	0° - 40° 🤤	942.0	94.0	1	111	108	106	109	106	104	105	103	101			56.7	70	79.7	0
15	1010	280	0° - 60° 1	8.000	99.9	2	103	99	96	101	98	95	98	95	93		Inital FC				
25	775	350	0° - 90° 1	001.7	100.0	3	96	91	87	95	90	87	92	88	85	Mounting	Center				
35	363	225	90° - 180°	0.0	0.0	4	90	84	80	89	84	80	87	82	79	Height	Beam	Diameter	FC	Diameter	
45	61	56	0° - 180° 1	001.7	*100.0	5	84	78	74	83	78	74	81	77	73	8.0	28.3	5.9	14.1	9.2	2.8
55	2	2	*Efi	ficiency		6	79	73	69	78	72	68	76	72	68	10.0	15.2	8.1	7.6	12.5	1.5
65	1	1				7	74	68	64	73	68	64	72	67	63	12.0	9.5	10.3	4.7	15.9	0.9
75	0	0				8	70	64	59	69	63	59	68	63	59	14.0	6.5	12.4	3.2	19.2	0.6
85	0	0				9	66	60	56	65	59	56	64	59	55	16.0	4.7	14.6	2.3	22.5	0.5
90	0					10	62	56	52	61	56	52	61	56	52						

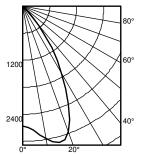
20%

4"

EV04 35/15 MWD LSS INPUT WATTS: 13.7W, DELIVERED LUMENS: 1527.3LM, LPW = 111.4, 1.08 S/MH, TEST NO. LTL27786P137

							pf				209	%										
							рс		80%		1	70%		!	50%							
		Ave	Lumens	Zone	Lumens	% Lamp	pw	50%	30%	10%	50%3	30%	10%	50%	30% 1	0%						
80°	0	1305		0° - 30°	1093.9	71.6	0	119	119	119	116	116	116	111	111 1	111			50% b		10% be	
	5	1354	133	0° - 40°	1436.2	94.0	1	111	108	106	109	106	104	105	103 1	101			56.	7°	79.7	70
	15	1539	428	0° - 60°	1525.8	99.9	2	103	99	96	101	98	95	98	95	93		Inital FC				
	25	1181	533	0° - 90°	1527.3	100.0	3	96	91	87	95	90	87	92	88	85	Mounting					
4+1/2	35	553	342	90° - 180°	0.0	0.0	4	90	84	80	89	84	80	87	82	79	Height	Beam	Diameter	FC	Diameter	FC
	45	93	86	0° - 180°	1527.3	*100.0	5	84	78	74	83	78	74	81	77	73	8.0	43.2	5.9	21.6	9.2	4.3
	55	2	4	*	Efficiency	/	6	79	73	69	78	72	68	76	72	68	10.0	23.2	8.1	11.6	12.5	2.3
	65	1	1				7	74	68	64	73	68	64	72	67	63	12.0	14.5	10.3	7.2	15.9	1.4
	75	0	0				8	70	64	59	69	63	59	68	63	59	14.0	9.9	12.4	4.9	19.2	1.0
	85	0	0				9	66	60	56	65	59	56	64	59	55	16.0	7.2	14.6	3.6	22.5	0.7
	90	0					10	62	56	52	61	56	52	61	56	52						
1200 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \																						

EV04 35/30 MWD LSS INPUT WATTS: 31.2W, DELIVERED LUMENS: 3110.6LM, LPW = 99.6, 1.08 S/MH, TEST NO. LTL27786P155



							pf				20	1%										
							pc		80%			70%			50%							
		Ave	Lumens	Zone	Lumens	% Lamp	pw	50%	30%	10%	50%	30%	10%	50%	30%	10%						
•	0	2659		0° - 30°	2227.9	71.6	0	119	119	119	116	116	116	111	111	111			50% be	am -	10% be	am -
	5	2758	271	0° - 40°	2925.0	94.0	1	111	108	106	109	106	104	105	103	101			56.7	70	79.7	70
	15	3135	871	0° - 60°	3107.6	99.9	2	103	99	96	101	98	95	98	95	93		Inital FC				
	25	2406	1086	0° - 90°	3110.6	100.0	3	96	91	87	95	90	87	92	88	85	Mounting	Center				
	35	1126	697	90° - 180°		0.0	4	90	84	80	89	84	80	87	82	79	Height	Beam	Diameter	FC	Diameter	FC
-	45	189	175	0° - 180°	3110.6	*100.0	5	84	78	74	83	78	74	81	77	73	8.0	87.9	5.9	43.9	9.2	8.8
	55	5	7		Efficiency		6	79	73	69	78	72	68	76	72	68	10.0	47.3	8.1	23.6	12.5	4.7
	65	2	2				7	74	68	64	73	68	64	72	67	63	12.0	29.5	10.3	14.7	15.9	2.9
	75	0	1				8	70	64	59	69	63	59	68	63	59	14.0	20.1	12.4	10.1	19.2	2.0
	85	0	Ó				9	66	60	56	65	59	56	64	59	55	16.0	14.6	14.6	7.3	22.5	1.5
	90	0	0				-												1.1.0		22.0	
•	90	0					10	62	56	52	61	56	52	61	56	52						

CCT/CRI Multiplier Table										
CRI	CCT	Multiplier								
	2700K	0.96								
	3000K	1.00								
80	3500K	1.00								
	4000K	1.01								
	5000K	1.07								
	2700K	0.80								
	3000K	0.83								
90	3500K	0.85								
	4000K	0.87								
	5000K	0.91								

Reflector Finish Multiplier								
Reflector Finish	Multiplier							
LS - Specular	1							
LSS - Semi Specular	0.956							
WR - White	0.87							
LD - Matte Diffuse	0.85							
BR - Black	0.73							

Distributions	
Distribution	Beam
MD	51
MWD	57
WD	73





⊿"

