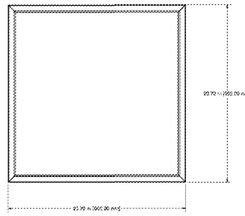
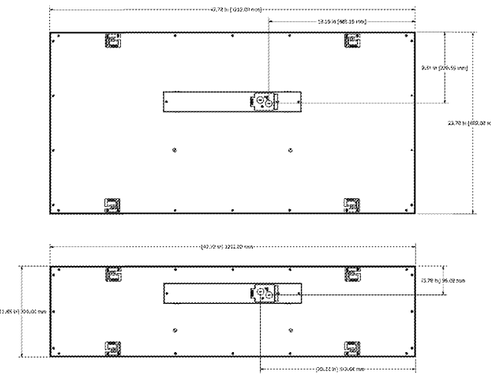
EPANL LED Flat Panel

FIXTURE TYPE "G"and "G2"

DIMENSIONS





LITHONIA LIGHTING

EPANL

1135 Stone Mountain Highway, Lawrenceville, GA 30043 Phone: 800-858-7901 www.lithonia.com © 2016-2017 Acuity Brands Lighting, Inc. All rights reserved. Rev. 08/16/17

LITHONIA LIGHTING

Catalog Number: Fixture "I"- shower

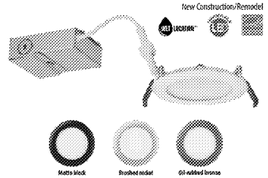
Notes:

Type:

Wafer LED Recessed Downlight

WF4
4" LED Module

IC/Non-IC
New Construction/Remodel



FEATURES & SPECIFICATIONS

INTENDED USE — The 4" Wafer-Thin LED recessed downlight with remote driver box combines high quality light output and efficiency while eliminating the porcelain housing for competitive affordability. This innovative wafer-slim Type IC design allows easy installation for new construction or remodel in tone below the ceiling without the requirement of a pre-light housing. The LED module maintains at least 70% light output for 50,000 hours. These LED Wafer downlights are intended for closets, attics, hallways, bathrooms, kitchens, basements, soffits, entry ways, porches, garages, stairwells, corridors, nursing/retirement homes, condos, elevators, apartments, and any other small areas.

CONSTRUCTION — IC-rated driver and fixture - approved for direct contact with insulation. Aluminum die-cast outer frame, housing, powder coat paint to prevent rust. Round fixture with integral edge-lit LED's. Plenum-rated cable connector to connect from module to remote driver box. Isolated drivers integrated inside steel remote box with four 1/2" knockouts with slot-in for project. Suitable for pulling wires with the 12 color-wire wiring compartment to accommodate up to (6) 14 gauge insulated conductors, or (4) 12 gauge insulated conductors; making the Wafer LED Downlights much easier to wire in 2in2 (plus ground) daisy-chain applications and contractor friendly.

PATENT PENDING.

INSTALLATION -- Ideal for shallow ceiling plenum; no housing required. Steel spring clip for easy installation. 4" cut out template is provided to ensure a correct sized hole in can-ion ceiling for proper installation of the trim. Trim of hole should not exceed 4 1/4 inches for this product. Suitable for installation in a grid and drop ceiling applications. 1" plenum space required for installation of the remote driver box.

OPTICS — Wafer-Thin downlight edge-lit LED technology uses light guided path to distribute light Polycarbonate lens provides even illumination throughout the space. Utilizes 2700K, 3000K, 3500K, 4000K, and 5000K CCT and color temperature LEDs.

ELECTRICAL — Connect directly to 120V power supply via provided UL recognized dimmer. High efficient driver with power factor ≥ 0.9. Ambient operating temperature: -40°F/-40°C to +104°F (+40°C). Dimming down to 10% (See page 2 for recommended dimmers). Standard input wattage is 9.0W, 70 lumens per watt. Replaces 50W incandescent.

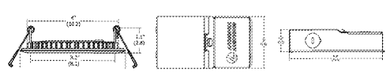
LISTINGS — CSA certified to US and Canadian safety standards. ENERGY STAR® certified. Wet location. Air Tight certified in accordance with ASTM E 283-2004. ROHS Certified.

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

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.
Specifications subject to change without notice.

Specifications:

Aperture:	3.2 (81.3)
Ceiling opening:	4.2 (107.7)
Overlap trim:	4.7 (121.8)
Height:	1.1 (27.8)



All dimensions are inches (centimeters) unless otherwise indicated.

Ordering Information For shortest lead times, configure product using **standard options (shown in bold).** **Example:** WF4 LED 30K MW

WF4	LED				
Series	Lumens		CCT/CRI/Wattage	Finish	
WF4 4" wafer-slim LED downlight	LED	LED	**27K**¹ 2700K/80CRI/9.0W(700L) **30K** 3000K/80CRI/9.0W(695L) **35K**¹ 3500K/80CRI/10.2W(740L) **40K** 4000K/80CRI/10.0W(765L) **50K**¹ 5000K/80CRI/10.4W(770L)	**MW** Matte white **MB** Matte black **BN** Brushed nickel **ORB** Oil-rubbed bronze

Accessories (order as separate catalog number)	
WF4 PAN B12	4" new construction pan, retail pack of 12
WFBB U	Remodel joist bar
WFEBCx U	6' FT4 cable
WFEBCx10 U	10' FT4 cable
WFEBCx20 U	20' FT4 cable

LITHONIA LIGHTING

WF4

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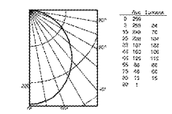
WF4 4" LED Wafer Module

Fixture "I"- shower

PHOTOMETRICS

Distribution Curve	Distribution Data	Output Data	Coefficient of Utilization	Illuminance Data at 30" Above Floor for a Single Luminaire

WF4 LED 27K, 2700 K LEDs, input watts: 10.5, delivered lumens: 708, LM/W=67.4, test no. ISF 30027P2



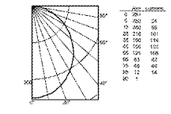
Axial Lumens	Zone	Lumens	% Lamp
5 298	0°–30°	298.7	42.2
5 298 24	0°–40°	321.9	45.5
35 249 7E	0°–60°	350.3	49.5
25 158 NW	0°–90°	708.0	100.0
23 107 18E	90°–100°	0.1	0.0
15 62 10E	90°–120°	0.1	0.0
45 125 11E	90°–130°	0.1	0.0
54 66 8E	90°–180°	0.1	0.0
75 48 6E	0°–180°	708.0	100.0
90 1 1E	*CWAvg		

	0°	30%	70%	90%
	80%	70%	50%	30%
	30%	30%	10%	30%
A	118	118	116	114
B	118	118	116	114
C	118	118	116	114
D	118	118	116	114
E	118	118	116	114
F	118	118	116	114
G	118	118	116	114
H	118	118	116	114
I	118	118	116	114
J	118	118	116	114

Mounting	Cavity Height	Zonal Room	Zonal Wall	Zonal Ceiling	Zonal Floor	CC
Recessed	0.25	0.0	0.0	0.0	0.0	0.0
	0.50	0.1	0.1	0.1	0.1	0.1
	0.75	0.2	0.2	0.2	0.2	0.2
	1.00	0.3	0.3	0.3	0.3	0.3
	1.25	0.4	0.4	0.4	0.4	0.4
	1.50	0.5	0.5	0.5	0.5	0.5
	1.75	0.6	0.6	0.6	0.6	0.6
	2.00	0.7	0.7	0.7	0.7	0.7
	2.25	0.8	0.8	0.8	0.8	0.8
	2.50	0.9	0.9	0.9	0.9	0.9
	2.75	1.0	1.0	1.0	1.0	1.0
	3.00	1.1	1.1	1.1	1.1	1.1

Beam Diameter	Efficiency
50% beam - 82.6"	50% beam - 100.3"
10% beam - 138.2"	

WF4 LED 30K, 3000 K LEDs, input watts: 9.6, delivered lumens: 675, LM/W=70.3, test no. ISF 30027



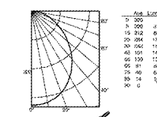
Axial Lumens	Zone	Lumens	% Lamp
4 284	0°–30°	284.7	42.2
5 350 24	0°–40°	304.6	45.1
33 260 9E	0°–60°	665.5	98.6
25 218 NW	0°–90°	686.9	101.8
22 156 19E	90°–120°	0.1	0.0
14 104 11E	90°–130°	0.1	0.0
43 154 9E	90°–180°	0.1	0.0
55 67 6E	0°–180°	686.9	101.8
71 48 4E	0°–180°	686.9	*100.0
90 1 1E	*CWAvg		

	0°	30%	70%	90%
	80%	70%	50%	30%
	30%	30%	10%	30%
A	119	119	116	114
B	119	119	116	114
C	119	119	116	114
D	119	119	116	114
E	119	119	116	114
F	119	119	116	114
G	119	119	116	114
H	119	119	116	114
I	119	119	116	114
J	119	119	116	114

Mounting	Cavity Height	Zonal Room	Zonal Wall	Zonal Ceiling	Zonal Floor	CC
Recessed	0.25	0.0	0.0	0.0	0.0	0.0
	0.50	0.1	0.1	0.1	0.1	0.1
	0.75	0.2	0.2	0.2	0.2	0.2
	1.00	0.3	0.3	0.3	0.3	0.3
	1.25	0.4	0.4	0.4	0.4	0.4
	1.50	0.5	0.5	0.5	0.5	0.5
	1.75	0.6	0.6	0.6	0.6	0.6
	2.00	0.7	0.7	0.7	0.7	0.7
	2.25	0.8	0.8	0.8	0.8	0.8
	2.50	0.9	0.9	0.9	0.9	0.9
	2.75	1.0	1.0	1.0	1.0	1.0
	3.00	1.1	1.1	1.1	1.1	1.1

Beam Diameter	Efficiency
50% beam - 82.2"	50% beam - 100.0"
10% beam - 137.5"	

WF4 LED 35K, 3500 K LEDs, input watts: 10.3, delivered lumens: 829, LM/W=82, test no. ISF 35164



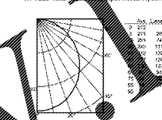
Axial Lumens	Zone	Lumens	% Lamp
5 300	0°–30°	304.8	36.7
19 312 8E	0°–40°	490.8	59.3
20 284 19E	0°–60°	812.0	98.0
16 184 NW	0°–90°	828.6	100.0
40 161 14E	90°–120°	0.1	0.0
65 110 12E	90°–130°	0.1	0.0
65 91 10E	90°–180°	0.1	0.0
75 48 8E	0°–180°	828.6	*100.0
90 1 1E	*CWAvg		

	0°	30%	70%	90%
	80%	70%	50%	30%
	30%	30%	10%	30%
A	115	115	112	110
B	115	115	112	110
C	115	115	112	110
D	115	115	112	110
E	115	115	112	110
F	115	115	112	110
G	115	115	112	110
H	115	115	112	110
I	115	115	112	110
J	115	115	112	110

Mounting	Cavity Height	Zonal Room	Zonal Wall	Zonal Ceiling	Zonal Floor	CC
Recessed	0.25	0.0	0.0	0.0	0.0	0.0
	0.50	0.1	0.1	0.1	0.1	0.1
	0.75	0.2	0.2	0.2	0.2	0.2
	1.00	0.3	0.3	0.3	0.3	0.3
	1.25	0.4	0.4	0.4	0.4	0.4
	1.50	0.5	0.5	0.5	0.5	0.5
	1.75	0.6	0.6	0.6	0.6	0.6
	2.00	0.7	0.7	0.7	0.7	0.7
	2.25	0.8	0.8	0.8	0.8	0.8
	2.50	0.9	0.9	0.9	0.9	0.9
	2.75	1.0	1.0	1.0	1.0	1.0
	3.00	1.1	1.1	1.1	1.1	1.1

Beam Diameter	Efficiency
50% beam - 82.2"	50% beam - 100.0"
10% beam - 138.2"	

WF4 LED 40K, 4000 K LEDs, input watts: 10, delivered lumens: 765, LM/W=76.5, test no. ISF 30027



Axial Lumens	Zone	Lumens	% Lamp
5 300	0°–30°	304.8	39.8
21 322 9E	0°–40°	542.3	70.9
20 284 19E	0°–60°	812.0	106.2
16 184 NW	0°–90°	828.6	108.4
40 161 14E	90°–120°	0.1	0.0
65 110 12E	90°–130°	0.1	0.0
65 91 10E	90°–180°	0.1	0.0
75 48 8E	0°–180°	828.6	*108.4
90 1 1E	*CWAvg		

	0°	30%	70%	90%
	80%	70%	50%	30%
	30%	30%	10%	30%
A	119	119	116	113
B	119	119	116	113
C	119	119	116	113
D	119	119	116	113
E	119	119	116	113
F	119	119	116	113
G	119	119	116	113
H	119	119	116	113
I	119	119	116	113
J	119	119	116	113

Mounting	Cavity Height	Zonal Room	Zonal Wall	Zonal Ceiling	Zonal Floor	CC
Recessed	0.25	0.0	0.0	0.0	0.0	0.0
	0.50	0.1	0.1	0.1	0.1	0.1
	0.75	0.2	0.2	0.2	0.2	0.2
	1.00	0.3	0.3	0.3	0.3	0.3
	1.25	0.4	0.4	0.4	0.4	0.4
	1.50	0.5	0.5	0.5	0.5	0.5
	1.75	0.6	0.6	0.6	0.6	0.6
	2.00	0.7	0.7	0.7	0.7	0.7
	2.25	0.8	0.8	0.8	0.8	0.8
	2.50	0.9	0.9	0.9	0.9	0.9
	2.75	1.0	1.0	1.0	1.0	1.0
	3.00	1.1	1.1	1.1	1.1	1.1

Beam Diameter	Efficiency
50% beam - 55.7"	50% beam - 100.5"
10% beam - 138.5"	

LITHONIA LIGHTING

WF4

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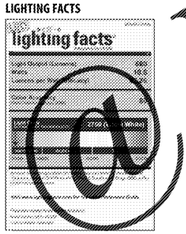
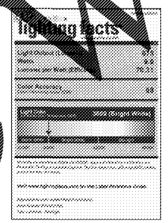
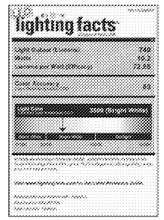
WF4 4" LED Wafer Module

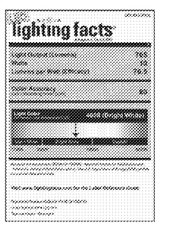
Fixture "I"- shower

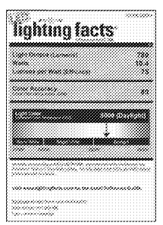
LIGHTING FACTS











LITHONIA LIGHTING

WF4

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FIXTURE TYPE "L"

gotham

Luminaire Type:
Catalog Number:
Notes/Options:

Gotham Architectural Downlighting
LED Downlights

4" Incito®
Downlight

Solid-State Lighting
(UL and International Patents Pending)

INTENDED USE
Achieves the lowest installed power density and operating costs while delivering every ounce of light via the optimized general illumination distributions from the IESNA family and the high performance accent beams from the highly flexible Incito family. The EVO zest trims feature maximum throughput luminous apertures, distracting characteristics, and color quality to ensure the blending of families in construct spaces modern on appropriates, tailored visual experience.

OPTICAL SYSTEM
- Eleven optimized distribution patterns allow designers to achieve tailored effects.
- Semi-specular or matte-diffuse, zonal-cavity lower reflector delivered in combination with a highly transmissive lens.
- Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 8,800,860) provides smooth and continuous transition from lensed source to the top of the reflector down to the bottom of the reflector.
- Field interchangeable optics.

MECHANICAL SYSTEM
- Light engine and driver are accessible from above or below ceiling.
- 18 gauge black painted steel mounting frame with mounting bars included. Rod-hanging adjustment possible from above or below ceiling.
- Galvanized steel junction box with hinged access covers and spring latch. Frame modification 1/2" EMT and one 1/2" knockout for straight through conduit runs. Capacity: 8 #14 in, 4 out) No. 12 AWG conductors rated for 90°C.
- Accommodates up to 1 1/4" thick ceilings.
- Flangeless trim option includes proprietary Gotham mud ring enabling seamless integration into drywall applications. Mud ring snips separately.

ELECTRICAL SYSTEM
- IC-rated up to 1250 lumens
- Solid-state LED light engine available in 2700 K, 3000 K, 3500 K or 4000 K color temperatures, CRI: 80 typical
- eldoLED nanodrive 0-10V driver available with 10% dimming level.
- eldoLED ecodrive 0-10V driver available with 1% dimming level.
- eldoLED SOLOdrive 0-10V driver available with 1% dimming level.
- eldoLED SOLOdrive DALI driver available with 1% dimming level.
- eldoLED POWERdrive DMX with RDM remote device management available with 1% dimming level.
- >70% lumen maintenance at 60,000 hours.
- Tested in accordance with LM-79 and LM-80 standards.
- Emergency battery pack with remote test versus available.

LISTINGS
- Platforms 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

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.

EXAMPLE: ICO 30/20 40K LD 2DD 120 EZ6

Series	Color temperature		Nominal delivered lumen values		Aperture/ Trim color		Trim Style		Finish		Beams			
ICO	27	2700 K	05	500 lumens	25	2500 lumens	45R	Clear	Drop-in	Self-Flanged	LSS	Semi-specular	10°	10° beam angle
	30	3000 K	07	750 lumens	30	3000 lumens	47R	Pinehole			LSB	Matte	15°	15° beam angle
	35	3500 K	10	1000 lumens	35	3500 lumens	49WR	Without	FL	Flangeless	LD	Matte diffuse	20°	20° beam angle
	40	4000 K	12	1250 lumens	40	4000 lumens	49WB	White					25°	25° beam angle
			15	1500 lumens	45	4500 lumens	48BR	Black					30°	30° beam angle
			20	2000 lumens									35°	35° beam angle
													40°	40° beam angle
													45°	45° beam angle
													50°	50° beam angle
													55°	55° beam angle
													60°	60° beam angle

Voltage	Driver	Options	
120	EZ10 eldoLED 0-10V EZ Driver. Linear dimming to 10% max.	SF Single fuse	NPS10DCE straight* decorative pack-matches 0-10V eldoLED drivers
277	EZ1 eldoLED 0-10V EZ Driver. Linear dimming to 1% max.	TWH* White painted flange	NPS10DCE270* straight* decorative pack-matches 0-10V eldoLED drivers
347*	EZ0 eldoLED 0-10V SOLOdrive. Logarithmic dimming to 1% max.	TBBL* Black painted flange	BR compatible with select recessed downlights
	EZ0D* eldoLED SOLOdrive DALI. Logarithmic dimming to 1% max.	ELB* Emergency battery pack with remote test switch, CEC compliant	LT90* Lutron EcoSystem interface to compatibility with 0-10V EZ10, EZ1 or EZ0.
	EZ0E* eldoLED SOLOdrive DMX with RDM remote device management. Logarithmic dimming to 1% max. Includes DMX terminator resistor. Refer to guide for more info.	DP* 0% cut-off	RRL*** RELOC® easily luminaire connectors enable a simple and consistent factory installed option across all ARL luminaire brands. Refer to RRL for complete nomenclature
		CRI90 High CRI (90+)	

ACCESSORIES order as separate catalog numbers (shipped separately)
BPTC47 Additional optics for field installation.

800-4-GOTHAM
PAGE 1 OF 3

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gotham

Order Plans @ WWW.IDLine.com

ARCHITECT'S STAMP

STATE OF GEORGIA · GORDON W. SMITH JR. · 7575 · REGISTERED ARCHITECT

SIGNATURE REQUIRED

SMITH DESIGN GROUP, INC.
2500 WEST PERSON STREET
LAGRANGE GEORGIA 30240
706-882-5511 www.SDGarch.net

REVISIONS

	DATE	DESCRIPTION

PROJECT:
VERNON ROAD FIRE STATION
VERNON ROAD
LAGRANGE GEORGIA

TITLE:
LIGHTING FIXTURE CUT-SHEETS

MODIFIED DATE:

ISSUED DATE:
FOR BID AND PERMIT
07 MAY 2018

JOB NO:
1731

SHEET:
E-13