gotham®

Gotham Architectural Downlighting
LED Downlights

6" Incito® Square
Downlight

Solid-State Lighting
(US and International Patents Pending)

C.E.C. TITLE 20 COMPLIANT

BAA

CSA+ CAPABLE

FEATURES

INTENDED USE
- Achieve the lowest installed power density and operating costs while achieving every layer of light via the optimized general illumination distributions from the EVO family, and the high centerbeam accent layers from the highly flexible Incito family. The EVO and Incito families maintain consistent luminous apertures, dimming characteristics, and color quality to ensure the blending of families in common spaces renders an unparalleled, tailored visual experience.

OPTICAL SYSTEM
- Ten optimized distribution patterns allow designers to achieve tailored effects.
- Self-flanged semi-specular or matte-diffuse lower reflector utilized in combination with a highly transmissive lens.
- Patented Bounding Ray™ Optical Principle design (U.S. Patent No. 5,800,050) provides smooth and continuous transition from lensed source to the top of the reflector down to the bottom of the reflector.

MECHANICAL SYSTEM
- Light engine and driver are accessible from above or below ceiling.
- 16-gauge black painted steel mounting frame with C-channel mounting bars included. Post-installation adjustment possible from above or below ceiling.
- Galvanized steel junction box with hinged access covers and spring latch. Three combination 1/2"-3/4" and one 1/2" knockout for straight-through conduit runs. Capacity: 8 (4in, 4out) No. 12 AWG conductors rated for 90°C.
- Accommodates up to 1½"-thick ceilings.
- Patented adjustable aperture allows 1/4" adjustments in all directions and up to 5° of rotation allowing post-installation adjustments to ensure proper alignment.

ELECTRICAL SYSTEM
- Solid-state LED light engine available in 2700 K, 3000 K, 3500 K or 4000 K color temperatures. CRI: 85 typical.
- eldoLED ecoDrive 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.
- Rated system life of 60,000 hours at >70% output.
- Emergency battery pack with remote test switch available.
- Tested in accordance with LM-79 and LM-80 standards.

LISTINGS
- Fixtures are CSA certified to meet US and Canadian standards; wet location, covered ceiling.

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 www.acuitybrands.com/buy-american for additional information.

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.

ORDERING INFORMATION

EXAMPLE: ICO SQ 30/50 6ARFL LSS 20D 120 EZB

Series	Color temperature		Nominal lumen values[1]		Aperture/Trim color		Trim style		Finish		Beam		Voltage
ICO SQ	27/	2700 K	25	2500 lumens	6AR	Clear	(blank)	Self-flanged	LSS	Semi-specular	20D	20° beam angle	120
	30/	3000 K	30	3000 lumens	6PR	Pewter	FL	Flangeless	LD	Matte diffuse	25D	25° beam angle	277
	35/	3500 K	35	3500 lumens	6WTR	Wheat					30D	30° beam angle	347[3]
	40/	4000 K	40	4000 lumens	6GR	Gold					35D	35° beam angle	
			45	4500 lumens	6WR[2]	White					40D	40° beam angle	
			50	5000 lumens	6BR[2]	Black					45D	45° beam angle	
			55	5500 lumens							55D	55° beam angle	
			60	6000 lumens							60D	60° beam angle	
			65	6500 lumens							65D	65° beam angle	
			70	7000 lumens							70D	70° beam angle	
			75	7500 lumens									
			80	8000 lumens									
			85	8500 lumens									

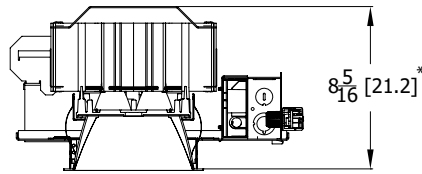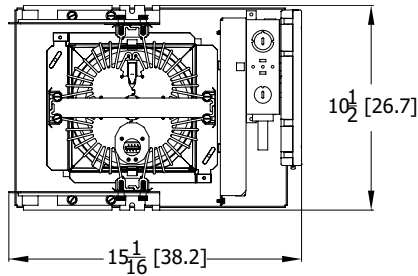| Driver		Options			
EZ10	eldoLED 0-10V ECOdrive. Linear dimming to 10% min.	SF	Single fuse	HAO	High ambient capability up to 40°C. Fixture height is 10-3/8".
EZ1	eldoLED 0-10V ECOdrive. Linear dimming to 1% min.	TRW[4]	White painted flange	NPS80EZ	nLight® dimming pack controls 0-10V eldoLED drivers.
EZB	eldoLED 0-10V SOLOdrive. Logarithmic dimming to <1%.	TRBL[5]	Black painted flange	NPS80EZ ER[8]	nLight® dimming pack controls 0-10V eldoLED drivers. ER controls fixtures on emergency circuit.
EDAB	eldoLED SOLOdrive DALI. Logarithmic dimming to <1%.	ELR[6]	Emergency battery pack with remote test switch, CEC compliant	LTVI[9]	Lutron ECOsystem interface for compatibility with 0-10V EZ10, EZ1 or EZB.
EDXB	eldoLED POWERdrive DMX with RDM (remote device management). Square Law dimming to <1%. Includes termination resistor. Refer to DMXR Manual.	CP[7]	Chicago plenum	RRL___	RELOC®-ready luminaire connectors enable a simple and consistent factory installed option across all ABL luminaire brands. Refer to RRL for complete nomenclature. Available only in RRLA, RRLB, RRLAE, and RRLC12S.
		BGTD	Bodine generator transfer device		
		CRI90	High CRI (90+)		

DIMENSIONAL DATA

All dimensions are inches (centimeters) unless otherwise noted.

$10\frac{1}{2}$ [26.7]

$15\frac{1}{16}$ [38.2]

Aperture: 6-1/8 [15.6]
Ceiling opening: 6-9/16 [16.7]
Overlap trim: 7-3/16 [18.3] self-flanged
          6-7/16 [16.4] flangeless

$8\frac{5}{16}$ [21.2]*

* HIGH AMBIENT FIXTURE HEIGHT - 10-5/8"

Incito Square Downlight - Flanged

Incito Square Downlight – Flangless (FL)

ELECTRICAL

WATTAGE CONSUMPTION MATRIX										
LUMENS	**BEAM ANGLES**									
	20	**25**	**30**	**35**	**40**	**45**	**55**	**60**	**65**	**70**
8500	108.7	108.7	108.7	108.7	108.7	108.7	108.7	108.7	108.7	108.7
8000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
7500	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
7000	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
6500	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
6000	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
5500	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
5000	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
4500	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
4000	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
3500	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
3000	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
2500	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
2000	33	33	33	33	33	33	33	33	33	33

CRI/CCT Multiplier Table

CRI	CCT	Multiplier
80	2700K	0.94
	3000K	0.97
	3500K	1.00
	4000K	1.02
90	2700K	0.79
	3000K	0.82
	3500K	0.85
	4000K	0.87

EL/ELR AVAILABILITY / COMPATIBILITY – Initial Lumens

LED			Initial Lumens	
Product	**Lumens**	**Watts**	**EL/ ELR**	**ELRHL**
ICO 6"	2000-8500	24-101	580	N/A

nLight® Control Accessories:
Order as separate catalog number. Visit www.acuitybrands.com/products/controls/nlight for complete listing of nLight controls.

WallPod stations	**Model number**
On/Off	nPODM [color]
On/Off & Raise/Lower	nPODM DX [color]
Graphic Touchscreen	nPOD GFX [color]
Photocell controls	**Model number**
On/Off & Dimming	nCM ADCX

Occupancy sensors	**Model number**
Small motion 360°, ceiling (PIR / dual tech)	nCM 9 / nCM PDT 9
Large motion 360°, ceiling (PIR / dual tech)	nCM 10 / nCM PDT 10
Wide view (PIR / dual tech)	nWV 16 / nWV PDT 16
Wall Switch w/ Raise/Lower (PIR / dual tech)	nWSX LV DX / nWSX PDT LV DX
Cat-5 cables (plenum rated)	**Model number**
10', CAT5 10FT	CAT5 10FT J1
15', CAT5 15FT	CAT5 15FT J1

NOTES

ORDERING NOTES

1. Nominal downlight lumens.
2. Not available with finishes. Not available with flangeless (FL) trim style.
3. Add 2" to over all height.
4. Not available with white reflector. Not applicable with FL option.
5. Not available with black reflector. Not applicable with FL option.
6. For dimensional changes, refer to TECH-140. Must specify 120V or 277V. Not available with 347V.
7. Chicago plenum available 7500 lumens and below.
8. For use with generator supply EM power. Will require an emergency hot feed and normal hot feed
9. Shipped installed from the factory. Not available with CP.

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PHOTOMETRY

CONTROLS

CONSULT WWW.GOTHAMLIGHTING.COM FOR PHOTOMETRY
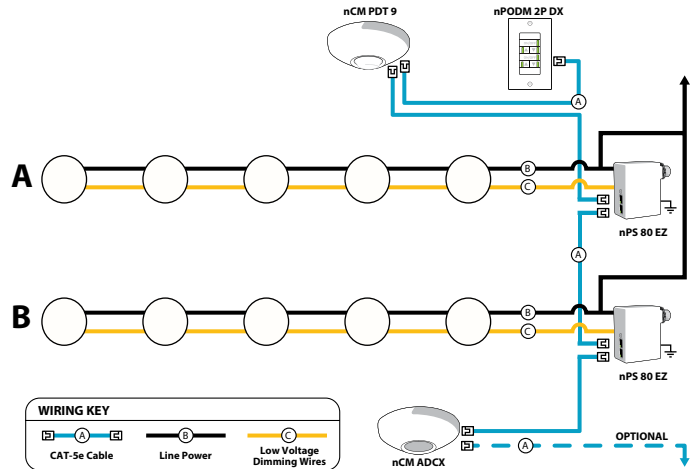
Choose Wall Controls.
nLIGHT o ers multiple styles of wall controls – each with varying features and user experience.

Push-Button WallPod
Traditional tactile buttons and LED user feedback

Graphic WallPod
Full color touch screen provides a sophisticated look and feel

nCM PDT 9   nPODM 2P DX

A

B

nPS 80 EZ

nPS 80 EZ

WIRING KEY

CAT-5e Cable   Line Power   Low Voltage Dimming Wires

nCM ADCX   OPTIONAL

EXAMPLE
Group Fixture Control*
*Application diagram applies for fixtures with eldoLED drivers only.

nPS 80 EZ Dimming/Control Pack (qty 2 required)
nPODM 2P DX Dual On/Off/Dim Push-Button WallPod
nCM ADCX Daylight Sensor with Automatic Dimming Control
nCM PDT 9 Dual Technology Occupancy Sensor

Description: This design provides a dual on/off/dim wall station that enables manual control of the fixtures in Row A and Row B separately. Additionally, a daylight harvesting sensor is provided so the lights in row B can be configured to dim automatically when daylight is available. An occupancy sensor turns off all lights when the space is vacant.

A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning when used with Acuity Brands controls products.
All configurations of this luminaire are calibrated and tested to meet the Acuity Brands' specifications for chromatic consistency – including color rendering, color fidelity, and color temperature tolerance around standard CIE chromaticity coordinates.

To learn more about Acuity A+ standards, specifications, and testing visit www.acuitybrands.com/aplus.

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