gotham®

Gotham Architectural Downlighting
LED Downlights

4" Evo® Square Warm Dimming
Downlight

Solid-State Dynamic Lighting

BAA

FEATURES

OPTICAL SYSTEM
- Self-flanged semi-specular, matte-diffuse finishing trim
- Patented Bounding Ray™ optical design (U.S. Patent No. 5,800,050)
- 55° cutoff to source and source image
- Top-down flash characteristic
- Polycarbonate lens integral to light engine

MECHANICAL SYSTEM
- 16-gauge galvanized steel construction; maximum 1-1/4" ceiling thickness
- Telescopic mounting bars maximum of 24" and minimum of 15", included, 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
- Patented adjustable aperture allows 1/4" adjustments in all directions and up to 5° of rotation allowing post-installation adjustments to ensure trim-to-trim alignment.

ELECTRICAL SYSTEM
- Fully serviceable lensed LED light engine
- 70% lumen maintenance at 36,000 hours
- Tested according to LM-79 and LM-80 standards
- Overload and short circuit protected
- 2.5 SDCM; Typical CRI of 90 at 3000K

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. 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.

WARM DIMMING GPHD
- **Gamut** Triangular: to achieve efficiency and CRI
- **Path** Curved tracking Black Body Curve: 3000K@100%-1800K<1% (Halogen Range)
- **Handle** One Handle: Intensity (with implicit CCT)
- **Data** DMX512/RDM and nLight®
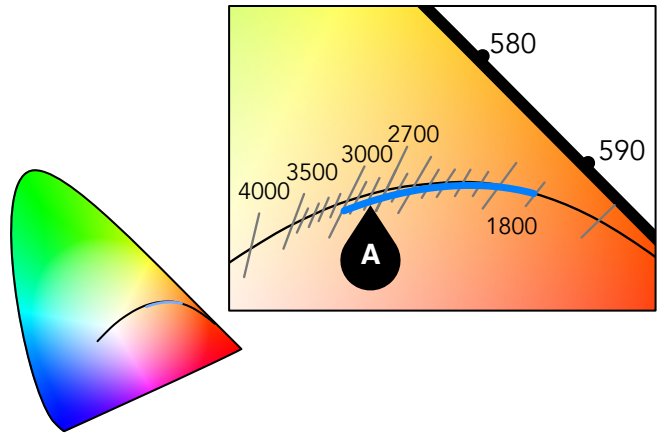
Ⓐ Halogen Range 3000K to 1800K

ORDERING INFORMATION

EXAMPLE: EVO SQ WDIM HALR/10 4AR LSS 120 DMX

Series		Sub Series		Dynamic Feature		Dynamic Range		Lumens[1]		Aperture/Trim Color				Aperture Type	
EVO	Dynamic downlight	**SQ**	Square downlight	**WDIM**	Warm Dimming	**HALR**	1800K-3000K 'Halogen Range'	**/10**	1000 Lumens	**4AR**	Clear	**4WR**[2]	White painted	**(blank)**	Self-flanged
								/18	1800 Lumens	**4PR**	Pewter	**4BR**[2]	Black painted	**FL**	Flangeless
										4WTR	Wheat	**4WRAMF**[2]	White painted antimicrobial finish		
										4GR	Gold				

| Aperture Finish		Voltage		Control Interface Type		Options	
LSS	Semi-specular	**120**	120V	**DMX**	DMX control with Phoenix connectors	**SF**	Single fuse
LD	Matte-diffuse	**277**	277V	**NLT**	nLight® control interface	**TRW**[3]	White painted flange
						TRBL[4]	Black painted flange

ACCESSORIES

ACCESSORIES order as separate catalog numbers (shipped separately)

FCS 7TSN XE DBL	Fresco Lighting Control with DMX, nLight and ethernet. Refer to FRESCO spec sheet for additional options.
DXT 1M09 2M12 NE1L	DMX512 RDM configuration gateway. Refer to DXT spec sheet for additional options.

GOTHAM ARCHITECTURAL DOWNLIGHTING | 1400 Lester Road Conyers GA 30012 | P 800.315.4982 | gothamlighting.com

MAINSTREAM DYNAMIC BY ACUITY BRANDS

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DIMENSIONAL DATA

All dimensions are inches (centimeters) unless otherwise noted.

$11\frac{3}{8}$ [28.9]

$14\frac{5}{8}$ [37.2]

$6\frac{5}{8}$ [16.9]
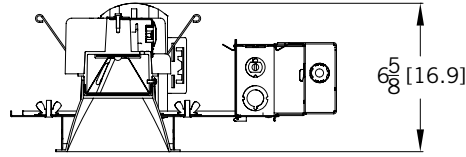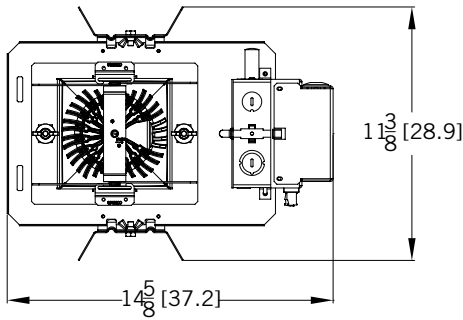
Aperture: 4-1/2 (11.4)
Ceiling Opening: 5-1/8" (13)
Overlap trim: 5-1/2" (14)

Warm Dimming Spacing Requirements		
	1000 Lumen	**1800 Lumen**
Center to Center Spacing	24"	36"
Above Spacing	6"	12"
Center to Wall Spacing	12"	18"

DYNAMIC SPECIFICATIONS

		PERFORMANCE ACROSS DIMMING LEVELS*			
		100%	**50%**	**10%**	**<1%**
/10	Delivered Lumens	923	262	13	2
	Watts	19	9	5	5
	LPW	48	29	3	0.5
	CCT	3000K	2450K	2000K	1800K
	CRI	93	93	86	82
	R9	83	65	45	14
/18	Delivered Lumens	1877	534	26	5
	Watts	35	16	5	5
	LPW	54	33	5	1
	CCT	3000K	2450K	2000K	1800K
	CRI	94	93	86	82
	R9	92	65	45	23

*Values shown for EVO WDIM HALR/## 4AR MWD LSS 120 DMX

NOTES

ORDERING NOTES

1. Nominal lumen values.
2. Not available with finishes.
3. Not available with white reflector.
4. Not available with black reflector.

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PHOTOMETRY

CONSULT GOTHAMLIGHTING.COM FOR PHOTOMETRY

LUMEN OUTPUT MULTIPLIER - TRIM FINISH						
FINISH	**CLEAR (AR)**	**PEWTER (PR)**	**WHEAT (WTR)**	**GOLD (GR)**	**WHITE (WR/WRAMF)**	**BLACK (BR)**
Specular (LS)	1.00	0.88	0.83	0.95	N/A	N/A
Semi-specular (LSS)	0.95	0.84	0.79	0.90	N/A	N/A
Matte-diffuse (LD)	0.85	0.73	0.69	0.80	N/A	N/A
Paint	N/A	N/A	N/A	N/A	0.87	0.73

PHOTOMETRY NOTES

- Tested in accordance with IESNA LM-79-08.
- Tested to current IES and NEMA standards under stabilized laboratory conditions.
- Typical CRI of 90 at 3000K.

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GAMUT/PATH

CITRON GAMUT SHOWING THE HALOGEN RANGE

CITRON Gamut

570
580
590
600
610
620
630
640
650

2700
3000
3500
4000
6000
10000
1800

A
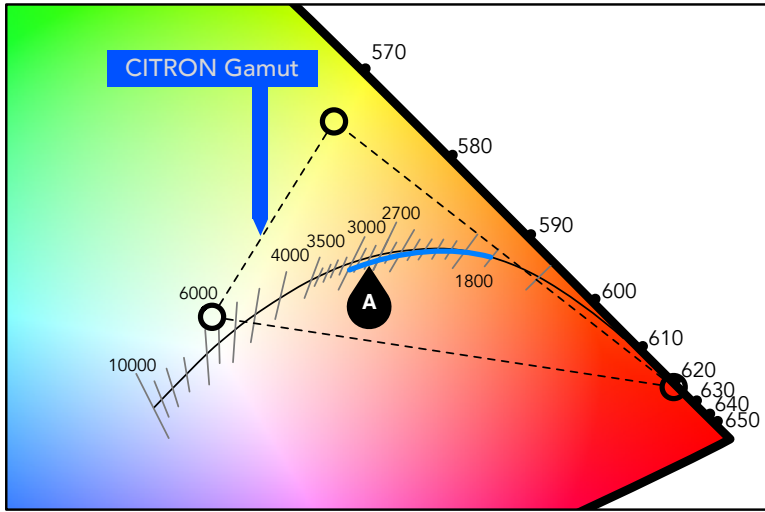
- The Gamut of a luminaire determines the potential color range as well as light quality through measurements such as CRI and R9.
- The Path determines the range of color temperatures for the luminaire and how it tracks the Black Body Curve.
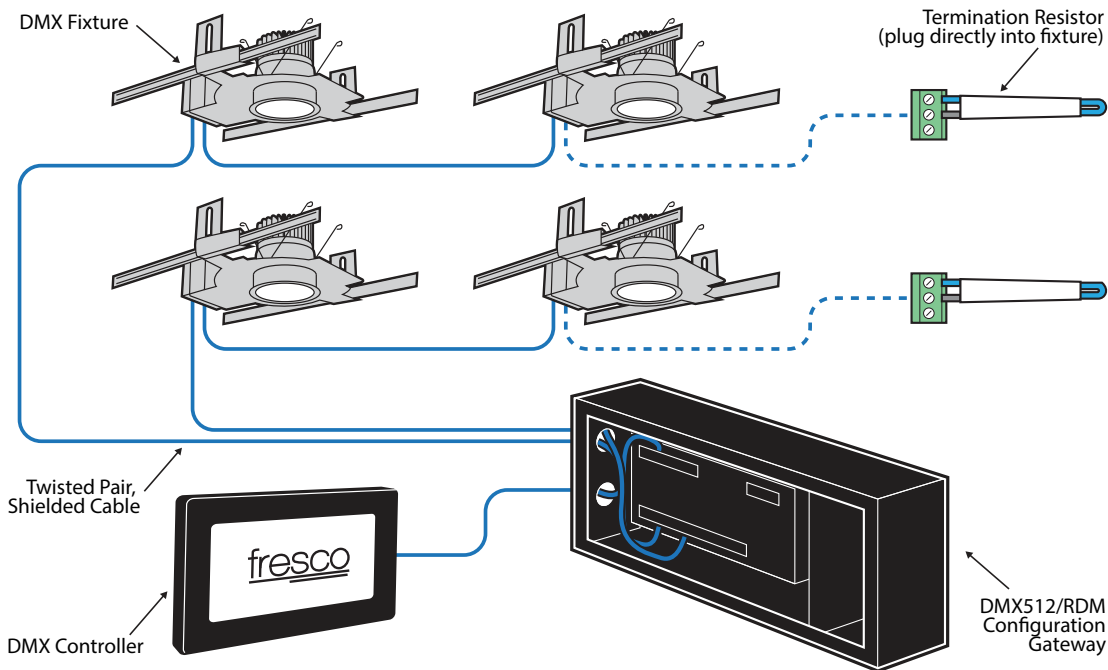
The Halogen Range mimics traditional halogen sources by tracking the Black Body Curve and reaching the rich familiar warm color of 1800K at less than 1% dim level.

A Halogen Range 3000K to 1800K

CITRON Gamut allows curved Path within dashed lines

HANDLE/DATA-DMX

TYPICAL DMX NETWORK LAYOUT WITH CONFIGURATION GATEWAY

DMX Fixture

Termination Resistor
(plug directly into fixture)

Twisted Pair,
Shielded Cable

fresco

DMX Controller

DMX512/RDM
Configuration
Gateway

For additional information refer to Gotham DMX512 / RDM Field Installation Manual.

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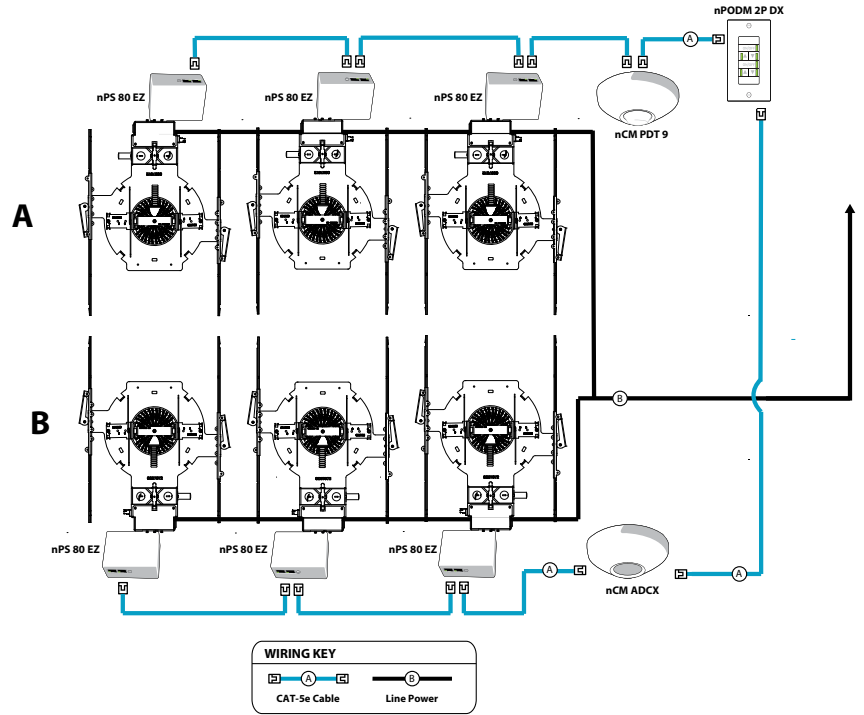## TYPICAL NLIGHT NETWORK LAYOUT

Choose Wall Controls.
nLIGHT offers 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

WIRING KEY

| CAT-5e Cable | Line Power |

EXAMPLE
Group Fixture Control

nPS 80 EZ Dimming/Control Pack (ships installed, one per fixture)
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 each fixture 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.

nLight® Control Accessories:			
Order as separate catalog number. Visit www.sensorswitch.com/nLight for complete listing of nLight controls.			
WallPod stations	**Model number**	**Occupancy sensors**	**Model number**
On/Off	nPODM [color]	Small motion 360°, ceiling (PIR / dual tech)	nCM 9 / nCM PDT 9
On/Off & Raise/Lower	nPODM DX [color]	Large motion 360°, ceiling (PIR / dual tech)	nCM 10 / nCM PDT 10
Graphic Touchscreen	nPOD GFX [color]	Wide view (PIR / dual tech)	nWV 16 / nWV PDT 16
Photocell controls	**Model number**	Wall Switch w/ Raise/Lower (PIR / dual tech)	nWSX LV DX / nWSX PDT LV DX
Dimming	nCM ADCX	**Cat-5 cables (plenum rated)**	**Model number**
		10', CAT5 10FT	CAT5 10FT J1
		15', CAT5 15FT	CAT5 15FT J1

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