gotham®

Gotham Architectural Downlighting
LED Downlights

4" Evo® Square Architainment Color
Downlight

Solid-State Dynamic Lighting

Buy American

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 and upgradeable 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
- This product is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT. Please refer to www.acuitybrands.com/buy-american for additional information.
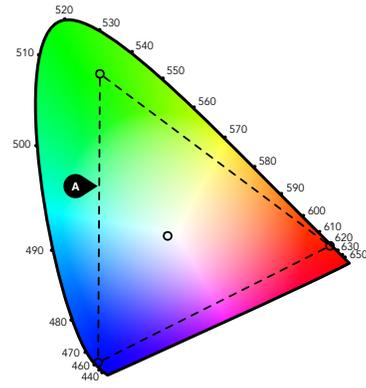
WARRANTY
- 5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

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.

ARCHITAINMENT COLOR GPHD
- **Gamut** Triangular
- **Path** Full RGB gamut
- **Handle** Four Handles: Red, Green, Blue, White
- **Data** DMX512/RDM

A RGBW Range within triangle formed by RGB

ORDERING INFORMATION

EXAMPLE: EVO SQ ARTC RGBW/12 4AR LSS 120 DMX

Series		Sub Series		Dynamic Feature		Dynamic Range		Lumens[1]		Aperture/Trim Color				Aperture Type	
EVO	Dynamic downlight	SQ	Square downlight	ARTC	Architain- ment Color	RGBW	Red, green, blue, white	/12	1250 Lumens	4AR 4PR 4WTR 4GR	Clear Pewter Wheat Gold	4WR[2] 4BR[2] 4WRAMF[2]	White painted Black painted White painted antimicrobial finish	(blank) FL	Self- flanged Flangeless

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

ACCESSORIES

ACCESSORIES order as separate catalog numbers (shipped separately)	
FCS 7TSN XE DBL	Fresco Lighting Control with DMX 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.

EVO-SQ-4-ARTC
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MAINSTREAM DYNAMIC
BY ACUITY BRANDS®
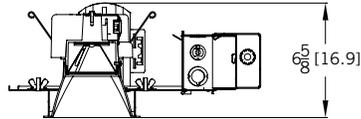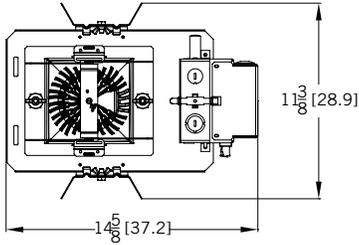
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4" EVO SQUARE ARCHITAINMENT COLOR
Downlight
Solid-State Dynamic Lighting

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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)

Architainment Spacing Requirements	
	1250 Lumen
Center to Center Spacing	36"
Above Spacing	12"
Center to Wall Spacing	18"

DYNAMIC SPECIFICATIONS

		INDIVIDUAL COLOR CHANNEL PERFORMANCE*				
		All on	**Red Only**	**Green Only**	**Blue Only**	**White Only**
/12	Delivered Lumens	1275	226	401	96	656
	Watts	31	9	11	10	12
	LPW	41	25	37	9	57

*Values shown for EVO ARTC RGBW/12 4AR MWD LSS 120 DMX

NOTES

ORDERING NOTES

1. Nominal lumen values when tested at all channels full-on, RGBW.
2. Not available with finishes.
3. Not available with white reflector.
4. Not available with black reflector.

MAINSTREAM DYNAMIC
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4" EVO SQUARE ARCHITAINMENT COLOR
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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.
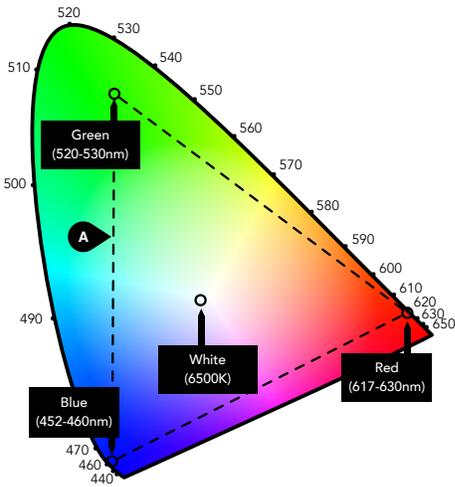- Tested to current IES and NEMA standards under stabilized laboratory conditions.

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4" EVO SQUARE ARCHITAINMENT COLOR
Downlight
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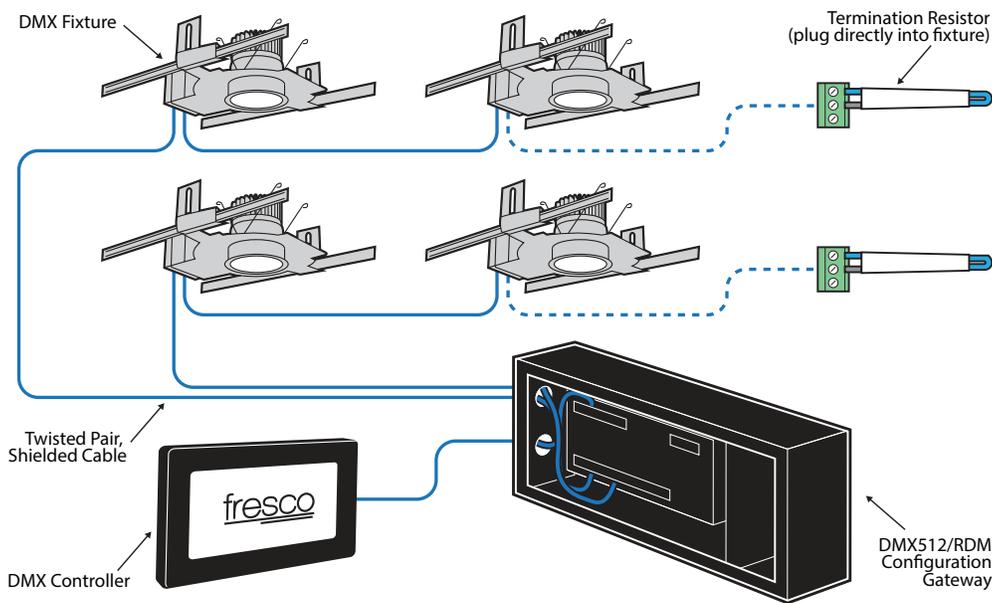
RGBW GAMUT AND RANGE

- The Gamut of a luminaire determines the potential color range, specifically the dominant wavelength of each primary color.
- The Path determines the range of colors the user can select for the luminaire.

Ⓐ RGBW Range within triangle formed by RGB

The RGBW Range reaches the full range of saturated colors and subtle pastels to create bold transformational effects.

Green (520-530nm)
White (6500K)
Red (617-630nm)
Blue (452-460nm)

TYPICAL DMX NETWORK LAYOUT WITH CONFIGURATION GATEWAY

DMX Fixture
Termination Resistor (plug directly into fixture)
Twisted Pair, Shielded Cable
DMX Controller
DMX512/RDM Configuration Gateway

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

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