

Slot Trim (SLT)  
shown



Gotham Architectural Downlighting  
LED Downlights

## MYO™ 1-Head Configurable Cylinder Recessed Multiple Series

Solid-State Lighting  
(US and International Patents Pending)



### FEATURES

#### OPTICAL SYSTEM:

- Superior 100% virgin silicone refractive optic enables maximum dimensional stability and optical transmission with no discoloration over life.
- Primary control of distribution occurs in refractive optic allowing for aesthetic versatility with trim color and finish.
- Eleven field-interchangeable optics plus wallwash accessory allow designers to achieve tailored lighting effects.
- Optical Baffle (U.S. Patent Number D851,326S) utilizes Bounding Ray optical design to minimize flash and provide even illuminance and appearance.

#### MECHANICAL SYSTEM:

- Matte black enclosure ensures seamless integration into architecture.
- Vertical hot aiming tilt with indicator up to 40° and 365° of horizontal rotation possible from below ceiling.
- Accommodates 3/8" to 5/8" thick ceilings.
- Install from below architecture standard (Non-IC Only).
- Additional mounting options available including Structural Reinforcement Pan, Chicago Plenum, and Type IC.
- Standard ambient operating temperature: 25 °C.
- Light engine and driver are accessible from above or below ceiling.
- Choice of three Trim Types: Slot, Bevel or Flangeless Bevel. Flange is 3/8" wide and only 1/16" thick for minimalistic appearance.
- Flangeless trim option includes proprietary Gotham mud ring, enabling seamless integration into drywall applications. Mud ring ships separately.

#### ELECTRICAL SYSTEM:

- Solid-state LED light engine available in 2700K, 3000K, 3500K or 4000K color temperatures. Standard CRI: 80 typical. High 90+ CRI option available.
- Rated system life of >60,000 hours at 70% output.
- 120V TRIAC or ELV dimming and 0-10V dimming standard.
- Each Light Engine head can be gang or independently controlled
- Luminaire accepts parallel and branch circuit control wiring.
- 2.5-Step MacAdam Ellipse Color Consistency.

#### LISTING

- Fixtures are UL 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](http://www.acuitybrands.com/buy-american) for additional information.

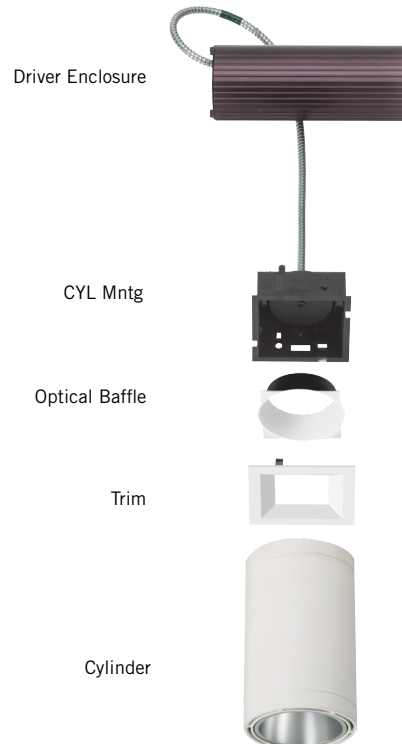
#### WARRANTY

- 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](http://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.

### CORE ELEMENTS



## ORDERING INFORMATION

EXAMPLE: MYO 1X SCYL 27K 1000LM 45D AR LSS SDBL BSG BVL TRW MVOLT UGZ NCH

Light Engine		
Series	# of Sources	
MYO	1X	1-Head

		Light Engine			
Type		Color Temperature	Nominal Lumens per Head	Distribution	
(BLANK) Adjustable SCYL Cylinder		27K 2700K	500LM 500 Lumens	15D 15° beam angle	45D 45° beam angle
		30K 3000K	750LM 750 Lumens	20D 20° beam angle	3515D Elliptical 35° x 15° beam angle
		35K 3500K	1000LM 1000 Lumens	25D 25° beam angle	5020D Elliptical 50° x 20° beam angle
		40K 4000K	1500LM <sup>1</sup> 1500 Lumens	30D 30° beam angle	5060D Elliptical 50° x 60° beam angle
				35D 35° beam angle	6070D Elliptical 60° x 70° beam angle
				40D 40° beam angle	WWD <sup>2</sup> Wallwash distribution

SCYL Only			Baffle		Trim	
Reflector Color	Reflector Finish	Architectural Colors	Baffle Color		Trim Style	Trim Color
AR Clear	LSS Semi-specular	SDWHG Matte White	BBL Black		BVL Bevel Edge	TRBL Black
PR Pewter	LD Matte diffuse	SDDDB Dark Bronze	BWH White		SLT <sup>3,4</sup> Slot	TRW White
WTR Wheat		SDBL Black	BSG Shale Grey			
GR Gold		SDWH Glossy White	BWS Weathered Sandstone			
WR White		SDMB Medium Bronze	BRR Razed Ruby			
BR Black		SDNA Natural Aluminum	BAZ Azurite			
		SDSS Sandstone	BMD Moon Dust			
		SDGC Charcoal Grey	BAP Atlantis Pearl			
		SDTG Tennis Green	BMP Mercury Pool			
		SDBR Bright Red	BIO Iron Ore			
		SOSB Steel Blue	BAC Aztec Copper			
			RAL COLOR Consult Factory			

				Options	
Flange Style	Lensing	Voltage	Driver	Options	
(BLANK) Flanged FL <sup>5</sup> Flangeless	(BLANK) Open	MVOLT 120V - 277V 120 120V 277 277V	UGZ <sup>7</sup> Universal dimming match- ing eldoLED linear dim curve and specifications to 1% (0-10V or 120V phase-cut)	SF <sup>6</sup> Single Fuse CRI90 <sup>6</sup> High CRI (90+) ICAT <sup>1,6</sup> IC/Airtight housing construction NCH <sup>10</sup> Structural Reinforcement Pan CP <sup>1</sup> Chicago Plenum	

## ORDERING INFORMATION (continued)

EXAMPLE: MYO 1X SCYL 27K 1000LM 45D AR LSS SDBL BSG BVL TRW MVOLT UGZ NCH

ACCESSORIES order as separate catalog numbers (shipped separately)			
<b>OPTC2 15D</b> <sup>11,12</sup>	15° beam angle	<b>OPTC2 KITMYO</b>	Kit including a field interchangeable optic for each of the 11 preset beam distribution patterns
<b>OPTC2 20D</b> <sup>11,12</sup>	20° beam angle	<b>OPTC2 KITACC</b>	Accessory kit includes black and white finish for all: snoot, wall wash, hex louver
<b>OPTC2 25D</b> <sup>11,12</sup>	25° beam angle	<b>SDT 347/120 75VA AD</b> <sup>13</sup>	347V Step-down transformer - use with all 1-light, 2-light, and 3-light with cumulative wattage under 75W
<b>OPTC2 30D</b> <sup>11,12</sup>	30° beam angle	<b>AW50</b>	0.050" Allen Wrench for adjustability (tilt & rotation)
<b>OPTC2 35D</b> <sup>11,12</sup>	35° beam angle	<b>NPP16D</b> <sup>8,8,9</sup>	nLight module
<b>OPTC2 40D</b> <sup>11,12</sup>	40° beam angle		
<b>OPTC2 45D</b> <sup>11,12</sup>	45° beam angle		
<b>OPTC2 3515D</b> <sup>11,12</sup>	Elliptical 35° x 15° beam angle		
<b>OPTC2 5020D</b> <sup>11,12</sup>	Elliptical 50° x 20° beam angle		
<b>OPTC2 5060D</b> <sup>11,12</sup>	Elliptical 50° x 60° beam angle		
<b>OPTC2 6070D</b> <sup>11,12</sup>	Elliptical 60° x 70° beam angle		

## ORDERING NOTES

- 1500 lumens not available in ICAT or CP.
- Includes 30D refractor optic; must be aimed in the field. Color matches trim.
- Not available with lensing option.
- Not available in flangeless.
- Not available with slot trim.
- Not valid with MVOLT, must specify 120 or 277 in voltage field.
- Refer to TECH SHEET 240 for full list of recommended compatible dimmers. Control system electrical load, and protocol may limit minimum dim level.
- Device must be remote mounted. Will not be factory installed. Access required to location of remote mounted device.
- Order one accessory per head for individual head control. See Control Sequence for control option examples.
- NCH is required for T-grid ceilings or where code prohibits resting the driver box on the ceiling.
- Optics shipped with additional capture rings to retain optic.
- Order one accessory per head as required.
- Available for gang control only. Consult factory for individual head control.

## TRIM STYLE



Slot (SLT) <sup>4</sup>



Bevel Edge (BVL)

## FLANGE STYLE



Bevel - Flangeless (FL)

## BAFFLE COLORS



Black (BBL)



White (BWH)



Moon Dust (BMD)



Shale Grey (BSG)



Weathered Sandstone (BWS)



Azurite (BAZ)



Razed Ruby (BRR)

## SOLID FINISH

## METALLIC FINISH



Aztec Copper (BAC)



Mercury Pool (BMP)



Iron Ore (BIO)

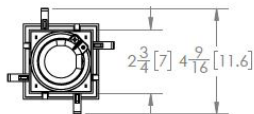


Atlantic Pearl (BAP)

## DIMENSIONAL DATA

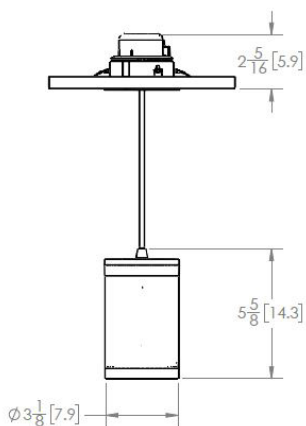
All dimensions are inches (centimeters) unless otherwise noted.

1-Head



TOP VIEW

Bevel Aperture:  $1\frac{5}{8} \times 1\frac{5}{8}$   
Slot Aperture:  $1\frac{1}{2} \times 1\frac{1}{2}$   
Flange:  $3\frac{1}{4} \times 3\frac{1}{4}$

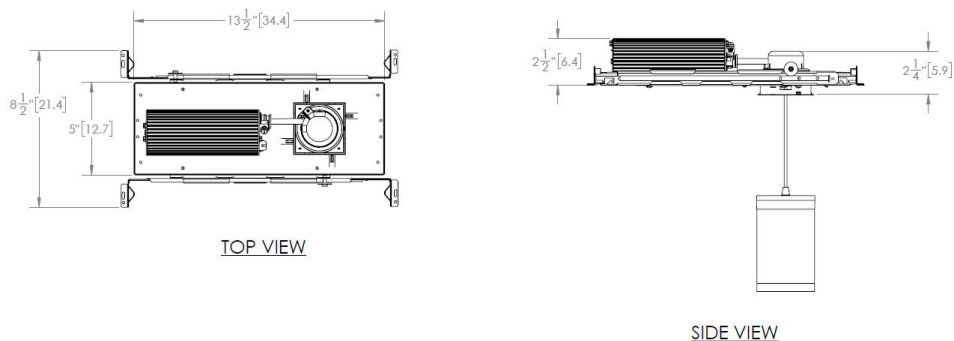


SIDE VIEW

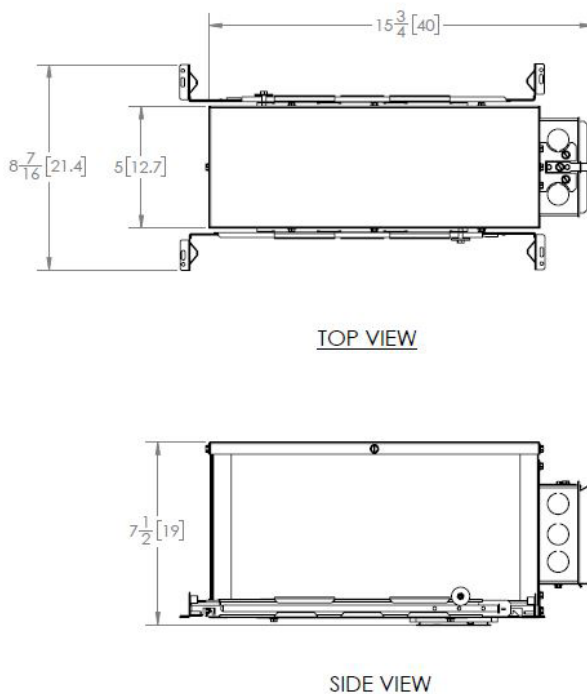
## DIMENSIONAL DATA

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### 1-HEAD - STRUCTURAL REINFORCEMENT PAN



### 1-HEAD - IC/AIRTIGHT HOUSING AND CHICAGO PLENUM CONSTRUCTION



## WATTAGE CONSUMPTION MATRIX

1X		2X				3X				
LUMENS	NON-IC/IC WATTAGE	HEAD 1 LUMENS	HEAD 2 LUMENS	NON-IC WATTAGE	IC WATTAGE	HEAD 1 LUMENS	HEAD 2 LUMENS	HEAD 3 LUMENS	NON-IC WATTAGE	IC WATTAGE
500	7	500	500	15.7	12.64	500	500	500	22	18.94
750	10	750	750	22.1	19.04	750	750	750	31.6	28.54
1000	14	1000	1000	31.1	28.04	1000	1000	1000	45.1	42.04
1500	25	1500	1500	52.1	49.04	1500	1500	1500	76.6	73.54

## FCC CLASSIFICATION FOR RESIDENTIAL INSTALLATION

NOMINAL LUMENS PER HEAD	IFB (STANDARD OPTION)	NCH	ICAT	CP
500LM	SUITABLE	SUITABLE	SUITABLE	SUITABLE
750LM	SUITABLE	SUITABLE	SUITABLE	SUITABLE
1000LM	NOT SUITABLE	NOT SUITABLE	SUITABLE	SUITABLE
1500LM	NOT SUITABLE	NOT SUITABLE	N/A	N/A

## PHOTOMETRY - CYLINDER IES FILE CREATION

These are core ICO CYL 2 IES files that can be manipulated with respect to CCT and CRI, using the table below.

CRI	CCT	Multiplier
80	2700K	0.902
	3000K	0.951
	3500K	1.0
	4000K	1.073
90	2700K	0.78
	3000K	0.829
	3500K	0.85
	4000K	0.878

See Gotham ICO CYL 2 Downlight Photometry/Design Tools page for Cylinder IES files.

1-HEAD MARKED SPACING IN INCHES 25°C AMBIENT			
LUMEN PACKAGE	Fixed Center to Center MIN	Fixture Center to Building Member MIN	Space Above Fixture
500-1000	None	None	None
1500	18	9	8

## WIRING DIAGRAMS

1-Head

