



General Illumination Wallwash Surface Ceiling Cylinder

2"



OVERVIEW

Feature Set

- Driver and LED light engine fully serviceable from below ceiling
- 70% lumen maintenance at 60,000 hours
- 2.5 SDCM; 85 CRI typical, 90+ CRI optional
- Fixtures are damp location
- 20 standard colors in textured and gloss finish; custom or RAL colors also available

Distribution



Superior Performance

Nominal lumens	250	500	750	1000	1500
Delivered	207	421	626	837	1199
Wattage	3.4	6.3	9.7	12.7	21.2
Efficacy	61	66	65	66	57

*Based on 3500K 80CRI AR LSS

COMPLEMENTARY PRODUCTS

Coordinated Apertures | Multiple Layers of Light



General Illumination Layer | EVO



High Center Beam Layer | Incito



EVO + Incito — Multiple Layers of Light

Core



Downlight



Adjustable



Open Wallwash



Lensed Wallwash



Cylinder



Pinhole



Bevel



Hyperbolic

Healthcare



MRI



Surgical Suite



Patient Room

Special Applications



Dynamic



Food Service



Vandal/Tamper



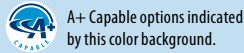
Clean Room



Shower



Steam Room



Luminaire Type:

Catalog Number:

EXAMPLE: EV02SCWW 35/10 AR LSS MVOLT UGZ RGH DWHG

Series		Color Temperature	Lumens	Reflector Color	Reflector Finish
EV02SCWW	EVO 2in Round Surface Ceiling Cylinder Open Wall Wash	27/ 2700 K	02 250 lumens	AR Clear	LSS Semi-specular
EV02SCDWW	EVO 2in Round Surface Ceiling Cylinder Double Wall Wash	30/ 3000 K	05 500 lumens	PR Pewter	LD Matte diffuse
EV02SCCWW	EVO 2in Round Surface Ceiling Cylinder Corner Wall Wash	35/ 3500 K	07 750 lumens	WTR Wheat	
		40/ 4000 K	10 1000 lumens	GR Gold	
		50/1 5000 K	15 1500 lumens	WR2 White painted	

Voltage	Driver	Mounting	Control Interface ⁴
MVOLT 120V - 277V	UGZ³ Universal dimming to 1% (0-10V, 120V TRIAC or ELV)	RGH Recessed Gear Housing	(blank)
120 120V		SGB Surface Gear Box	NLT nLight® dimming pack.
277 277V		SGBPR Surface Gear Box with Concealed Plaster Ring	NLTER⁵ nLight® dimming pack for fixtures on emergency circuit
		SGBCC Direct Conduit Surface Gear Box	NLTAIR2 nLight® AIR dimming pack.
		JBXCC Surface J-Box with Conduit Covers	NLTAIRER2⁵ nLight® AIR dimming pack for fixtures on emergency circuit
			NLTAIREM2 nLight® AIR dimming pack for fixtures on emergency circuit

Options	Architectural Colors - Powder Paint ⁷
90CRI¹ High CRI (90+)	DDB Gloss Dark Bronze
N80⁶ nLight Lumen Compensation	DBL Matte Black
	DWH Gloss White
	DMB Matte Medium Bronze
	DNA Gloss Natural Aluminum
	DSS Gloss Sandstone
	DGC Gloss Charcoal Grey
	DTG Gloss Tennis Green
	DBR Gloss Bright Red
	DSB Gloss Steel Blue
	DDBT Textured Dark Bronze
	DBLB Textured Black
	DWHG Textured White
	DBNH Textured Bronze
	DNAT Textured Natural Aluminum
	DSST Textured Sandstone
	DSPD Textured Dark Grey
	DSPE Textured Green
	DSPH Textured Light Red
	DWHAMF Gloss White with Anti-microbial finish

ACCESSORIES — order as separate catalog numbers (shipped separately)

GCOLORS KIT	Architectural colors chip kit, consisting of powder-coat and plated finishes.
HS234FL	Hole saw for RGH option
SDT 347/120 75VA	347V/120V, 75VA step down transformer. Must be remote mounted.

ORDERING NOTES

- 5000K CCT not available with 90CRI.
- Not available with Reflector Finish.
- Refer to [Tech 240](#) for compatible dimmers.
- Field installed. Access required to location of remote mounted device.
- ER for use with generator supply power. Will require an emergency hot feed and normal hot feed.
- Requires NLT or NLTER.
- For details on RAL and Custom colors please see [Architectural colors](#).

Optical and Trim Assembly

Fully serviceable and upgradeable lensed LED light engine suitable for field maintenance or service from below the ceiling.

Electrical

The luminaire shall operate from a 50 or 60 Hz ± 3 Hz AC line over a voltage ranging from 120 VAC to 277 VAC. Support 347V via remote-mounted stepdown transformer. The fluctuations of line voltage shall have no visible effect on the luminous output.

The luminaire shall have a power factor of 90% or greater at all standard operating voltages and full luminaire output.

Sound Rated A+. Driver shall be >80% efficient at full load across all input voltages.

Controls

Luminaire shall be equipped with interface for nLight wired or nLight AIR networks with integral power supply as per specification.

Dimming

The luminaire shall be capable of continuous dimming without perceivable stroboscopic flicker as measured by flicker index (ANSI/IES RP-16-10) over a range of 100 – 1.0% of rated lumen output with a smooth shut off function to step to 0%.

Driver is inaudible in 24dB environment, and stable when input voltage conditions fluctuate over what is typically experienced in a commercial environment.

Construction

Surface Gear Box (SGB) for direct installation to 4" recessed or surface octagonal (by others).

Recessed Gear Housing (RGH) ships with driver box for recessed or surface installation.

Die cast with flangeless reflector allows flow-through passive thermal management.

Accommodates between 3/8" to 3"-thick ceilings.

Listings

Fixtures are UL Certified to meet US and Canadian Standards: All fixtures manufactured in strict accordance with the appropriate and current requirements of the "Standards for Safety" to UL, damp location listed.

RGH option is IC rated up to 1500LM

Government Procurement

BAA - Buy America(n) Act: Product qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product also qualifies as manufactured in the United States under DOT Buy America regulations,

BABA - Build America Buy America: Product qualifies as produced in the United States under the definitions of the Build America, Buy America Act

Please refer to www.acuitybrands.com/buy-american for additional information.

Photometrics

LEDs tested to LM-80 standards. Measured by IESNA Standard LM-79-08 in an accredited lab. Lumen output shall not decrease by more than 30% over the minimum operational life of 60,000 hours.

Color appearance from luminaire to luminaire of the same type and in all configurations, shall be consistent both initially and at 6,000 hours and operate with in a tolerance of <2.5 MacAdam ellipse as defined by the center of the quadrangles defined in ANSI C78.377-2015.

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.

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.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® control networks when ordered with drivers marked by a shaded background*
- This luminaire is part of an A+ Certified solution for nLight® control networks, providing advanced control functionality at the luminaire level, when selection includes driver and control options marked by a shaded background*

To learn more about A+, visit www.acuitybrands.com/aplus.

*See ordering tree for details

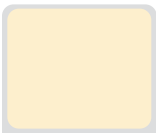
Lumen Output Multiplier		
CRI	CCT	Multiplier
80	2700K	0.910
	3000K	0.946
	3500K	1.000
	4000K	1.027
	5000K	1.054
90	2700K	0.784
	3000K	0.847
	3500K	0.874
	4000K	0.946

Reflector Finish Multiplier	
Reflector Finish	Multiplier
LSS - Semi Specular	1.00
LD - Matte Diffuse	0.98
Reflector Color	Multiplier
WR - White	0.98
BR - Black	0.92
BZR - Bronze	0.91
AR - Clear	1.00
GR - Gold	0.99
PR - Pewter	0.99
WTR - Wheat	0.98

Driver		Control Provided				
Nomenclature	Description	NLT	NLTER	NLTAIR2	NLTAIREM2	NLTAIRER2
UGZ	0-10V driver dims to 1%	nPP16 D EFP	nPP16 D ER EFP	RPP20 D 24V G2	RPP20 D 24V EM G2	RPP20 D 24V ER G2

J-box Compatibility Matrix		Cylinder Configurations	
		SGB	RGH
Recommended J-box (by others)	4" Octagonal 4x4x1.5 deep (by others)	✓	✗
	4" Octagonal 4x4x2.125 deep (by others)	✓	✗
	Factory Provided Gear Box (4" Square 4x4x1.5 deep)	✗	✓

Standard Architectural Color Options for Cylinder Bodies



DSS LITHONIA P12
Sandstone



DSST TEXTURED P90
Sandstone



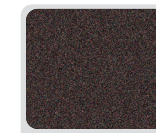
DBR LITHONIA P34
Bright Red



DSPH TEXTURED P80
Light Red



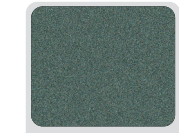
DMB LITHONIA P11
Medium Bronze



DBNH TEXTURED P74
Bronze



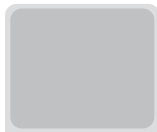
DTG LITHONIA P33
Tennis Green



DSPE TEXTURED P78
Green



DSB LITHONIA P49
Steel Blue



DNA LITHONIA P07
Natural Aluminum



DNAT TEXTURED P89
Natural Aluminum



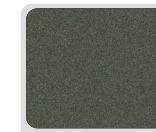
DGC LITHONIA P32
Charcoal Gray



DSPD TEXTURED P77
Dark Grey



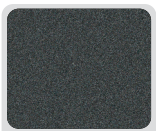
ddb LITHONIA P50
Dark Bronze



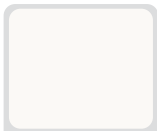
ddbt TEXTURED P88
Dark Bronze



DBL LITHONIA P13
Black



DBLB TEXTURED P75
Black



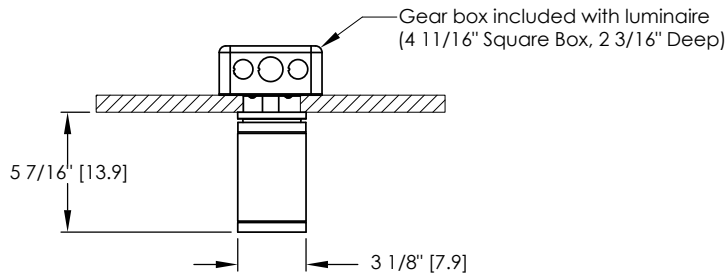
DWH LITHONIA P21
White



DWHG TEXTURED P86
White

NOTE: These colors were carefully reproduced to give as true a depiction as possible of finished product color. Some colors, however, may vary slightly from actual appearance due to display/printing variations and limitations. Please always contact a Gotham representative for an accurate paint chip sample.

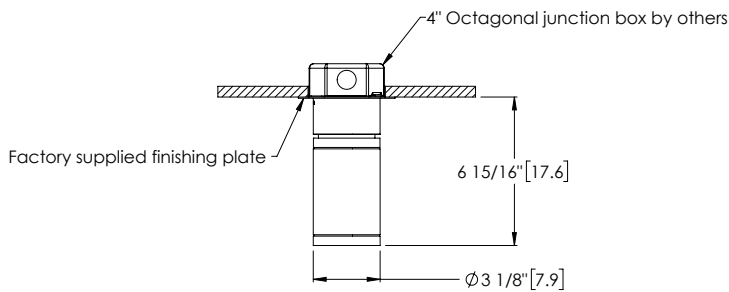
RGH - Recessed Gear Housing



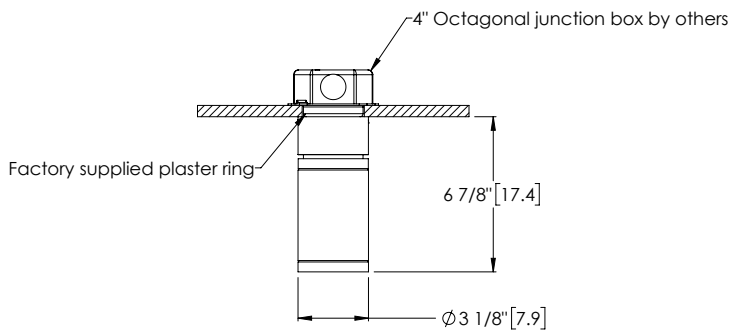
Ceiling cutout: $\varnothing$ 2 3/4" [7]
Ceiling thickness range: 3/8" [1.3] to 3" [7.6]



SGB - Surface Gear Box

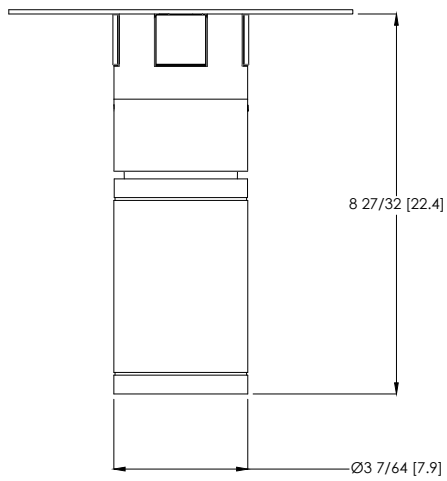


SGBPR - Surface Gear Box with Concealed Plaster Ring

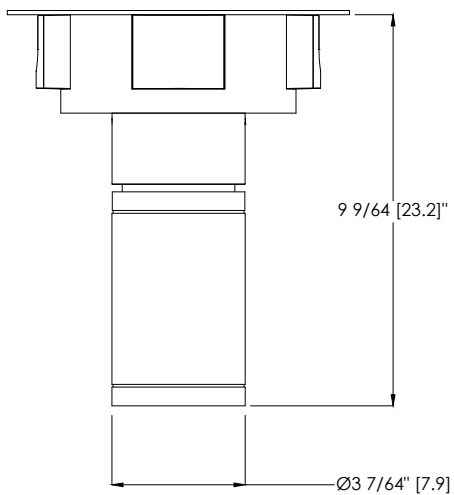


*Dimensions in inches [centimeters]

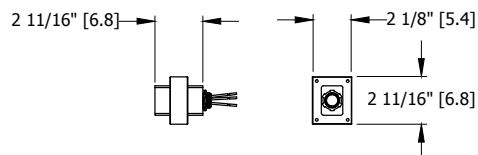
SGBCC - Direct Conduit Surface Gear Box



JBXCC - Surface J-Box with Conduit Covers



347V Transformer

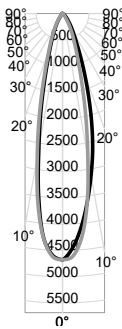


347 Transformer:
Install to accessible
junction box by others

*Dimensions in inches [centimeters]

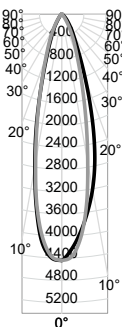
CONSULT WWW.GOTHAMLIGHTING.COM FOR ADDITIONAL PHOTOMETRY

EVO2SCWW 35/15 AR LSS Input Watts: 21.2, Delivered Lumens: 1199, LPW: 56.6, S/MH: 0.46, Test No: 19-648-01P147



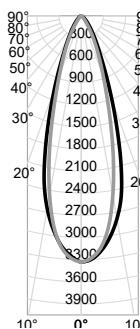
CP Summary			Zonal Lumen Summary			Coefficients of Utilization										Luminance (cd/sq.m)	
						pf		20%								Average Luminance	
						pc	pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	
0°	90°		Zone	Lumens	% Fixture												0°
0°	4,680	4,680	0° - 30°	1,026	86%	0	119	119	119	116	116	116	111	111	111	111	1,776,530
5°	4,070	4,250	0° - 40°	1,127	94%	1	112	110	108	110	108	106	106	104	103	103	45°
15°	2,133	1,476	0° - 60°	1,184	99%	2	106	102	99	104	101	98	101	98	96	96	55°
25°	665	449	0° - 90°	1,199	100%	3	100	96	93	99	95	92	96	93	91	91	65°
35°	242	120	90° - 180°	0	0%	4	95	91	87	94	90	87	92	89	86	86	75°
45°	95	26	0° - 180°	1,199	100%	5	91	86	83	90	86	83	89	85	82	82	85°
55°	40	6				6	87	83	79	87	82	79	85	81	78	78	
65°	21	3				7	84	79	76	83	79	75	82	78	75	75	
75°	9	1				8	81	76	73	80	76	72	79	75	72	72	
85°	2	0				9	78	73	70	77	73	70	77	72	70	70	
90°	0	0				10	75	71	68	75	70	67	74	70	67	67	

EVO2SCWW 35/15 AR LSS Input Watts: 21.2, Delivered Lumens: 1274, LPW: 60.1, S/MH: 0.50, Test No: 19-648-03P147



CP Summary			Zonal Lumen Summary			Coefficients of Utilization										Luminance (cd/sq.m)	
						pf		20%								Average Luminance	
						pc	pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	
0°	90°		Zone	Lumens	% Fixture												0°
0°	4,443	4,443	0° - 30°	1,073	84%	0	119	119	119	116	116	116	111	111	111	111	1,686,858
5°	3,937	4,023	0° - 40°	1,187	93%	1	112	110	108	110	108	106	106	104	103	103	45°
15°	2,237	1,517	0° - 60°	1,255	99%	2	105	102	99	104	100	98	100	98	96	96	55°
25°	672	487	0° - 90°	1,274	100%	3	100	95	92	98	94	91	96	93	90	90	65°
35°	261	138	90° - 180°	0	0%	4	95	90	86	94	89	86	92	88	85	85	75°
45°	105	37	0° - 180°	1,274	100%	5	90	85	82	89	85	81	88	84	81	81	85°
55°	43	12				6	86	81	78	86	81	78	84	80	77	77	
65°	23	6				7	83	78	74	82	77	74	81	77	74	74	
75°	11	3				8	79	75	71	79	74	71	78	74	71	71	
85°	3	1				9	77	72	68	76	71	68	75	71	68	68	
90°	0	0				10	74	69	66	73	69	66	73	69	66	66	

EVO2SCWW 35/15 AR LSS Input Watts: 21.2, Delivered Lumens: 1292, LPW: 60.9, S/MH: 0.57, Test No: 19-648-02P147



CP Summary			Zonal Lumen Summary			Coefficients of Utilization										Luminance (cd/sq.m)	
						pf		20%								Average Luminance	
						pc	pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	
0°	90°		Zone	Lumens	% Fixture												0°
0°	3,335	3,335	0° - 30°	1,036	80%	0	119	119	119	116	116	116	111	111	111	111	1,266,140
5°	3,184	3,138	0° - 40°	1,169	90%	1	111	109	107	109	107	105	105	103	102	102	45°
15°	2,080	1,559	0° - 60°	1,264	98%	2	104	101	97	103	99	96	99	97	94	94	55°
25°	666	507	0° - 90°	1,292	100%	3	98	94	90	97	93	89	94	91	88	88	65°
35°	245	137	90° - 180°	0	0%	4	93	88	84	92	87	83	90	86	82	82	75°
45°	99	34	0° - 180°	1,292	100%	5	88	83	79	87	82	79	85	81	78	78	85°
55°	44	10				6	84	78	75	83	78	74	81	77	74	74	
65°	24	5				7	80	74	71	79	74	71	78	73	70	70	
75°	11	2				8	76	71	67	76	71	67	75	70	67	67	
85°	3	0				9	73	68	64	73	68	64	72	67	64	64	
90°	0	0				10	70	65	62	70	65	62	69	65	62	62	

nLight® AIR is the ideal solution for retrofit or new construction spaces where adding communication wiring is cost prohibitive. The integrated nLight AIR rPP20 Power Pack is part of each EVO Luminaire ordered with the NLTAIR option. These individually addressable controls offer the ultimate in flexibility during initial setup and for space repurposing.

nLight® AIR Control Accessories

Order as separate catalog number. Visit [nLight AIR](#).

Wall Switches

Model Number	
On/Off single pole	rPODB (color) G2
On/Off two pole	rPODB 2P (color) G2
On/Off & raise/lower single pole	rPODB DX (color) G2
On/Off & raise/lower two pole	rPODB 2P DX (color) G2

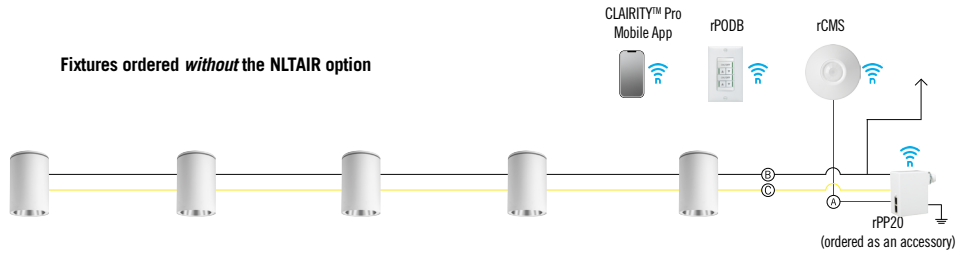
nLight® AIR Control Accessories (cont.)

Occupancy Sensors (PIR/dual tech)

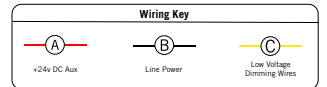
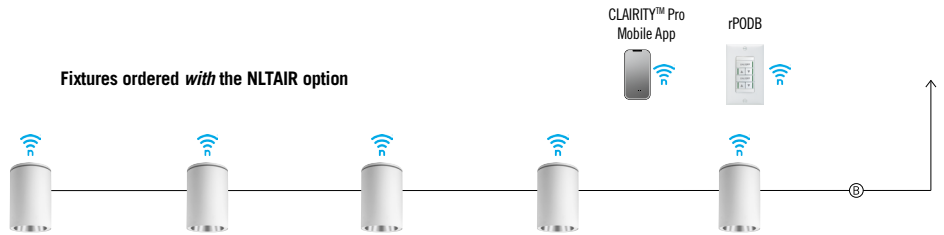
Model Number	
Small motion 360°, ceiling	rCMS 9 / rCMS PDT 9
Large motion 360°, ceiling	rCMS 10 / rCMS PDT 10

Possibilities for nLight® AIR

Fixtures ordered *without* the NLTAIR option



Fixtures ordered *with* the NLTAIR option



nLight® Wired The nLight® solution is a digital networked lighting control system that provides both energy savings and increased user configurability by cost effectively integrating time-based, daylight-based, sensor-based and manual lighting control schemes.

nLight® Wired Control Accessories

Order as separate catalog number. Visit [nLight](#).

Wall Switches

Model Number	
On/Off single pole	nPODM (XX)
On/Off two pole	nPODM 2P (XX)
On/Off & raise/lower single pole	nPOD DX (XX)
On/Off & raise/lower two pole	nPODM 2P DX (XX)
Graphic touchscreen	nPOD GFX (XX)

Photocell Controls

Dimming	nCM ADCX
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nLight® Wired Control Accessories (cont.)

Occupancy Sensors (PIR/dual tech)

Model Number	
Small motion 360°, ceiling	nCM 9 / nCM PDT 9
Large motion 360°, ceiling	nCM 10 / nCM PDT 10
Wide View	nWV 16 / nWV PDT 16
Wall switch with raise/lower	nWSX LV DX / nWSX PDT LV DX

Cat-5 Cables (plenum rated)

10', CAT5	CAT5 10FT J1
15', CAT5	CAT5 15FT J1

Possibilities for nLight® wired

Fixtures ordered *without* the NLT option



Fixtures ordered *with* the NLT option

