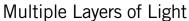
COMPLEMENTARY PRODUCTS

















General Illumination Surface Ceiling Cylinder Wallwash





- Superior optical control maintains a smooth, uniform distribution from ceiling to floor
- Bounding Ray™ optical design
- 45° cutoff to source and source image
- Fully serviceable lensed LED light engine
- 70% lumen maintenance at 60,000 hours
- 2.5 SDCM; 85 CRI typical, 90+ CRI optional
- Fixtures are damp location standard; wet location optional (WL) - covered ceiling required; IP66 optional - covered ceiling required
- 20 standard colors in textured and gloss finish; custom or RAL colors also available
- Field configurable surface junction box conduit covers available
- Completely integral emergency battery option available
- UGR of zero for fixtures aimed at nadir with a cut-off equal to or less than 60deg per CIE 117-1995 Discomfort Glare in Interior Lighting. UGR FAQ



Distribution



Superior Perfomance

Nominal Lumens	250	500	750	1000	1500	2000	2500	3000	3500	4000	4500	5000	6000	8000
Delivered	207	361	540	691	1023	1395	1764	2140	2463	2800	3152	3423	4149	5371
Wattage	3.2	5.9	7.8	9.1	14.0	18.8	23.5	28.1	32.2	37.1	45.0	46.3	54.9	71.3
Efficacy	64.0	61.1	69.1	75.6	73.1	74.4	75.0	76.2	76.5	75.4	70.0	73.9	75.6	75.3

Coordinated Apertures I Multiple Layers of Light



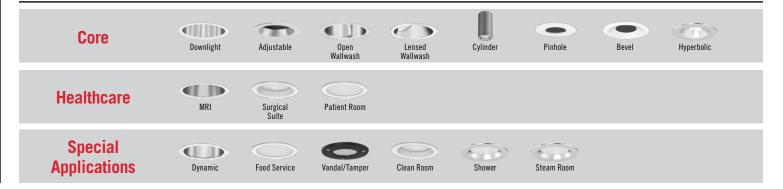




High Center Beam Layer I Incito



EVO + Incito — Multiple Layers of Light



Luminaire Type: Catalog Number:

EXAMPLE: EV06SCWW 35/15 AR LSS MVOLT EZ1 JBX DWHG

Series	Color Temperature	Lumens	Reflector Color	Reflector Finish	Voltage
EV06SCWW EV0 6in Surface Ceiling Round Cylinder Wall Wash EV06SCCWW EV0 6in Surface Ceiling Round Cylinder Corner Wall Wash EV06SCDWW EV0 6in Surface Ceiling Round Cylinder Double Wall Wash	27/ 2700 K 30/ 3000 K 35/ 3500 K 40/ 4000 K 50/ 5000 K	05 500 lumens 07 750 lumens 10 1000 lumens 15 1500 lumens 20 2000 lumens 25 2500 lumens 30 3000 lumens 35 3500 lumens 40 4000 lumens	AR Clear PR Pewter WTR Wheat GR Gold WR¹ White painted BR¹ Black WRAMF¹ White Anti-microbial BZR¹ Dark Bronze painted TRALTBD¹² Trim RAL # TBD (TBD for pricing only) TCPC¹² Trim Custom Paint Color TBD (TBD for pricing only)	LSS Semi-specular LD Matte diffuse LS Specular	MVOLT 120V - 277V 120 120V 277 277V 347³ 347V

Driver ⁴		Mountii	ıg	Emergency	y Option
GZ10 GZ1 EZ10 EZ1 EZB EDAB ⁵ EDXB ^{5,6} ECOD ⁵	0-10V driver dims to 10% 0-10V driver dims to 1% eldoLED 0-10V ECOdrive. Linear dimming to 10% min. eldoLED 0-10V ECOdrive. Linear dimming to 1% min. eldoLED 0-10V SOLOdrive. Logarithmic dimming to <1%. eldoLED SOLOdrive DALI. Logarithmic dimming to <1%. eldoLED POWERdrive DMX with RDM (remote device management). Square Law dimming to <1%. Min: 1000LM. Lutron® EcoSystem® digital Hi-Lume 1% soft-on, fade to black. Max: 4000LM. Electronic line voltage / Forward phase / Triac dimming, 120V Only.	JBXCC RGH ⁷	Integral driver, Recessed or Surface J-Box Integral driver, Surface J-Box with Conduit Covers Recessed Gear Housing	(blank) E6W E7WCP E10WCP E10WCPR E15WCP GTD	No emergency options 6W integral emergency battery, CA Title 20 compliant emergency battery pack with integral test switch. Only available with GZ10, GZ1 and ELV Drivers. Only for use with 500-4500 lumen options. IOTA® 7W Constant Power emergency battery. Only for use with 750-8000 lumen options (sidecar) IOTA® 10W Constant Power, CA Title 20 compliant emergency battery pack with integral test switch. Only for use with 1000-8000 lumen options. (sidecar or RGH) IOTA® 10W Constant Power, CA Title 20 compliant emergency battery pack with remote test switch. (requires RGH) IOTA® 15W Constant Power, CA Title 20 compliant emergency battery pack with remote test switch. (requires RGH) IOTA® Generator Transfer Device. Specify 120V or 277V (requires RGH)

Control Interf	Control Interface ⁸		Options		Architectural Colors - Powder Paint ²			
(blank) NLT NLTER ⁹ NLTAIR2 NLTAIRER2 ⁹	No controls nLight® dimming pack. Specify 120V or 277V. nLight® dimming pack for fixtures on emergency circuit. Specify 120V or 277V. nLight® AIR dimming pack. Specify 120V or 277V. nLight® AIR dimming pack for fixtures on emergency circuit. Specify 120V or 277V.	90CRI CP ¹⁰ HAO ¹¹ IP66 ¹² N80 ¹³ SF WL ¹²	High CRI (90+) Chicago Plenum. Specify 120V or 277V (requires RGH) HAO High Ambient Option (40°C) Lensed, IP66 rated nLight Lumen Compensation Single fuse. Specify 120V or 277V. Wet Location	DWHAMF DDB DBL DWH DMB DNA DSS DGC DTG DBR DSB	Gloss White with Anti-microbial finish Gloss Dark Bronze Matte Black Gloss White Matte Medium Bronze Gloss Natural Aluminum Gloss Sandstone Gloss Charcoal Grey Gloss Tennis Green Gloss Steel Blue	DDBT DBLB DWHG DBNH DNAT DSST DSPD DSPE DSPH RALTBD	Textured Dark Bronze Textured Black Textured White Textured Bronze Textured Ratural Aluminum Textured Sandstone Textured Dark Grey Textured Green Textured Light Red Cylinder RAL # TBD (TBD for pricing only) Cylinder Custom Paint Color TBD (TBD for pricing only)	

ACCESSORIES -	order as se	narate catalog	numbers (shinned s	enarately)

GCOLORS KIT Architectural Colors chip kit, consisting of powder-coat and plated finishes

CYLJBOXADPT 4SQ20CT 4in Square J-box to 4in Octagonal J-box adaptor. Replace ___ with Architectural Color or PRM for primed ready for field painting





ORDERING NOTES

- Not available with Finishes.
- Replace with applicable RAL number and finish when ready to order. See RAL BROCHURE for available color
 options. For details on all Acuity Architectural paint colors, RAL and Custom colors, please see Architectural
 Colors.
- Integral 347V drivers available with GZ10 and GZ1 driver options only. All other drivers will come with a step-down transformer - factory installed with RGH mounting, and field installed with JBX and JBXCC mounting (remote mount location required). Not available with Emergency Options. Max 5000LM.
- 4. Refer to Tech 240 for compatible dimmers.
- Not available with Control Interfaces.
- Includes terminator resistor.

- Not available with E7W or E15WCP Emergency Options.
- 8. Factory installed with RGH mounting, otherwise field installed (remote mount location required).
- ER for use as UL924 Emergency Operation via power sense lead. Will require an emergency hot feed and normal hot feed. EM for use as UL924 Emergency Operation via power interrupt detection.
- 10. CP not valid with NLTAIR2, NLTAIRER2 or Emergency Options.
- 11. Not available with WL, IP66, or sidecar Emergency Options. Max: 3500 lumens.
- 12. Not available with JBXCC or sidecar Emergency Options. Max: 3000 lumens.
- Fixture begins at 80% light level. Must be specified with NLT or NLTER. Only available with EZ10 and EZ1 drivers.



Optical Assembly

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

Unitized optics shall have mechanical attachment of the light engine to the lower reflector for complete optical alignment.

Wallwash enables uniformity from floor to ceiling. Smooth, balanced illumination optimized for ceilings of 8' to 12' with recommended spacing of 3' from wall and 3' centers.

The luminaire shall operate from a 50 or 60 Hz ±3 Hz AC line over a voltage ranging from 120 VAC to 277 VAC. Integral 347V drivers available with GZ10/GZ1 driver options. 347V with all other drivers available via integral step-down transformer with RGH mounting, and remote mount step-down transformer with JBX/JBXCC mounting. 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.

Input wires shall be 18AWG, 300V minimum solid copper.

All drivers are ROHS compliant.

Controls

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

Luminaires supplied with an emergency battery pack comply with NFPA 101 (Life Safety Code) to provide egress lighting. Emergency batteries provide up to 15W to a luminaire for 90 minutes in emergency operation when there is normal AC power loss.

INTEGRAL Emergency pattery with a test switch discreetly integrated into the cylinder is available up to 6W (E6W). Provides a consistent look within the cylinder family – maintaining the same dimensions as the cylinders without emergency options.

IOTA® emergency batteries are available in 7W (E7WCP), 10W (E10WCP), and 15W (E15WCP). Emergency batteries are offered in a side car housing that mounts right next to the cylinder with the test switch integrated into the side car housing. Side car housing will come finished in the same color as the cylinder for a unified look.

IOTA® 10W emergency batteries with RGH mounting allow for the emergency batteries to be hidden away within the plenum space. Available with either a test switch integrated into the cylinder (E10WCP), or a remote test switch (E10WCPR).

Luminaires equipped with an IOTA® generator transfer device (GTD) work in conjunction with an auxiliary generator or a central inverter system to power luminaires for egress lighting.

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 - 10%, 100 - 1.0% or 100 - 0.1% of rated lumen output with a smooth shut off function to step to 0%.

eldoLED LED drivers shall conform to IEEE P1789 standards. Alternatively, manufacturers must demonstrate conformance with product literature and testing which demonstrates this performance. Systems that do not meet IEEE P1789 will not be considered.

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

Construction

Heavy-gauge aluminum construction.

Extruded body with flangeless reflector allows flow-through passive thermal management.

Surface ceiling mount for direct installation to 4" recessed or surface octagonal or square junction box.

Optional field configurable conduit covers available. Conduit covers match cylinder in finish and diameter. Recessed housing available for above ceiling drivers, nLight, CP, GTD, and emergency battery options.

Fixtures are CSA 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 standard; wet location covered ceiling optional (WL); IP66 rating optional (IP66).

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 60,000 hours and operate within a tolerance of <2.5 MacAdam ellipse as defined by the center of the quadrangles defined in ANSI C78.377-2015.

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.

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

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.

4 Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provided consistent color appearance and out-of-the-box control capability with simple commissioning when used with Acuity Brands controls products.

All configurations of this luminaire are calibrated and tested meet the Acuity Brands' specification for chromatic consistency - including color rendering, color fidelity and color temperature tolerance around standard CIE chromaticity coordinates.

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





EVO - eldoLED Driver Default Dimming Curve								
Nomenclature	Min Dimming	Driver Dim Curve	Control Dim Curve					
EZ10	10%	Linear	Linear/Logarithmic					
EZ1	1%	Linear	Linear/Logarithmic					
EZB	<1%	Logarithmic	Linear					
EDAB	<1%	Logarithmic*	Linear					
EDXB	<1%	Square	Linear					

^{*}Changeable through DALI controller

Lumen Output Multiplier							
CRI	CCT	Multplier					
	2700K	0.916					
	3000K	0.948					
80	3500K	1					
	4000K	1.032					
	5000K	1.1					
	2700K	0.748					
	3000K	0.8					
90	3500K	0.838					
	4000K	0.845					
	3000K 3500K 4000K 5000K 2700K 3000K 3500K	0.945					

Reflector Finish Multiplier					
Reflector Finish Multipl					
LS - Specular	1				
LSS - Semi Specular	0.956				
WR - White	0.87				
LD - Matte Diffuse	0.85				
BR - Black	0.73				
BZR Bronze	0.73				

	Driver	Control Provided (note: 347V/UVOLT versions provided with 347 option selected)				
Nomenclature	Description	NLT	NLTER	NLTAIR2	NLTAIRER2	
GZ10	0-10V driver dims to 10%	nPP16 D EFP	nPP16 D ER EFP	RPP20 D 24V G2	RPP20 D 24V ER G2	
GZ1	0-10V driver dims to 1%	nPP16 D EFP	nPP16 D ER EFP	RPP20 D 24V G2	RPP20 D 24V ER G2	
EZ10	eldoLED 0-10V ECOdrive	nPS 80 EZ	nPS 80 EZ ER	RPP20 D 24V G2	RPP20 D 24V ER G2	
EZ1	eldoLED 0-10V ECOdrive	nPS 80 EZ	nPS 80 EZ ER	RPP20 D 24V G2	RPP20 D 24V ER G2	
EZB	eldoLED 0-10V SOLOdrive	nPS 80 EZ	nPS 80 EZ ER	RPP20 D 24V G2	RPP20 D 24V ER G2	

J-box Compatibility Matrix		Cylinder Configurations				
		JBX	JBX w/EDXB Driver	JBXCC		
(s.	4" Octagonal 4x4x1.5 deep"	1	×	✓		
Recommended J-box (by others)	4" Octagonal 4x4x2.125 deep	1	1	×		
Recon J-box (4" Square 4x4x1.5 deep	*with adaptor plate accessory	×	×		

Standard Architectural Color Options for Cylinder Bodies

DWH LITHONIA P21

TEXTURED



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 order the GCOLORS KIT listed in the 'Accessories' section of the spec sheet for an accurate paint chip sample.

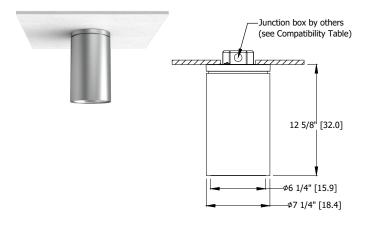


DBLB

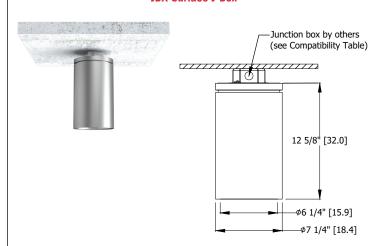
TEXTURED



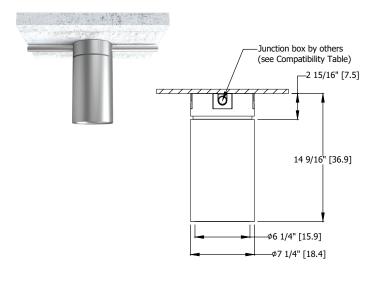
JBX Recessed J-Box



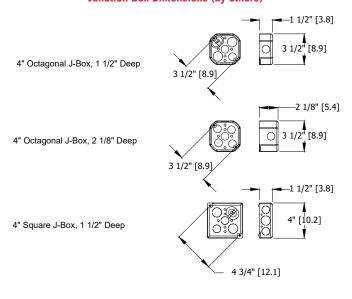
JBX Surface J-Box



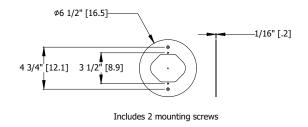
JBXCC Surface J-Box with Conduit Covers

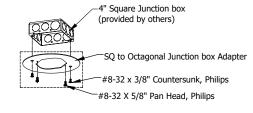


Junction Box Dimensions (by others)



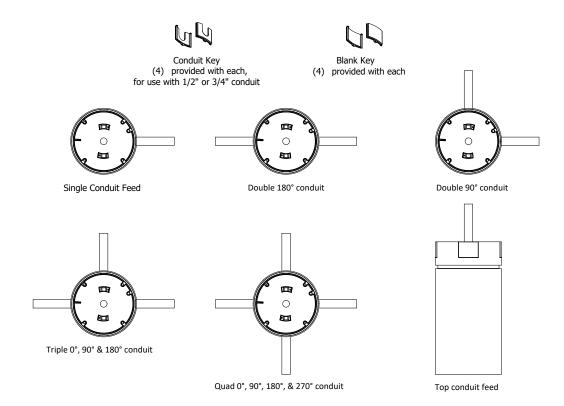
Cylinder Adapter Plate



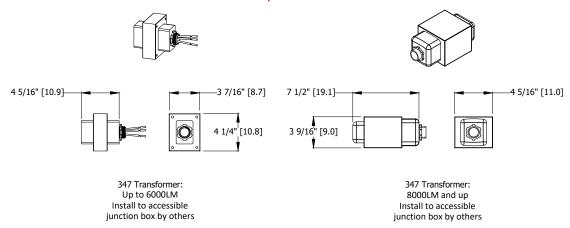


^{*}Dimensions in inches [centimeters]

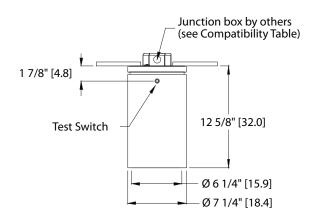
Conduit Feed Examples and Keys



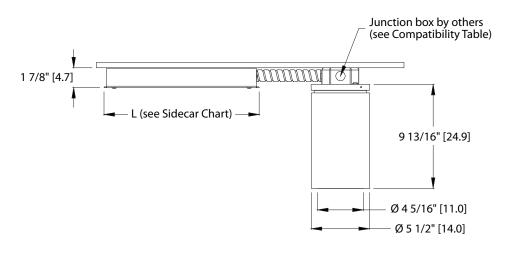
347V Stepdown Transformer



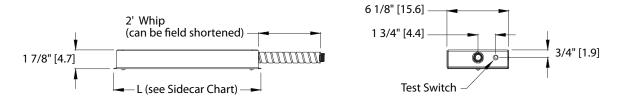
6W Integral Emergency Battery



7W/10W/15W Sidecar Emergency Battery



Emergency Battery Sidecar Dimensions

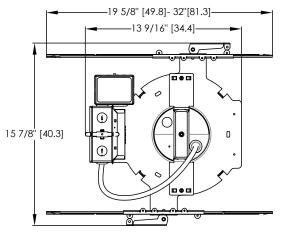


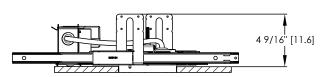
SIDECAR BATTERY OPTION	LUMEN PACKAGES AVAILABLE	L (SIDECAR LENGTH)
	750LM AND GREATER EXCEPT AS NOTED BELOW	14"
E7WCP	750LM AND GREATER EXCEPT AS NOTED BELOW 6000-8000LM 5000-8000LM WITH ECOD DRIVER 1000LM AND GREATER EXCEPT AS NOTED BELOW 6000-8000LM 5000-8000LM WITH ECOD DRIVER	16"
	1000LM AND GREATER EXCEPT AS NOTED BELOW	14"
E10WCP	6000-8000LM 5000-8000LM WITH ECOD DRIVER	16"
E15WCP	1500LM AND GREATER	16"

*Dimensions in inches [centimeters]



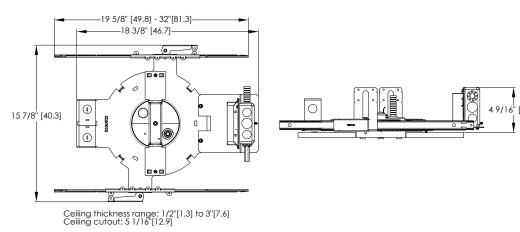
RGH 2500LM-5000LM and with EDXB up to 4500LM & ECOD up to 4000LM Standard



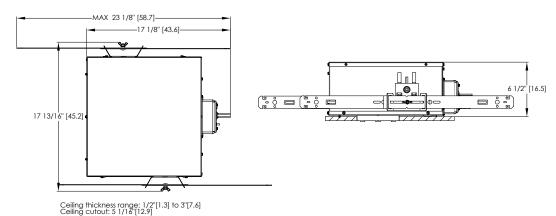


Ceiling thickness range: 1/2"[1.3] to 3"[7.6] Ceiling cutout: 5 1/16"[12.9]

RGH with CP 2500LM-5000LM and for use with EDXB up to 4500LM & ECOD up to 4000LM Standard



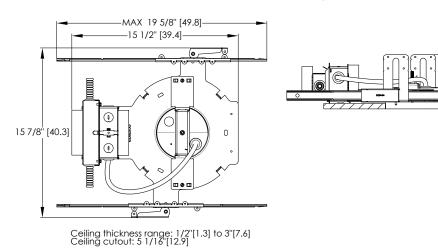
RGH with Chicago Plenum (CP) for use with nLight Enclosed



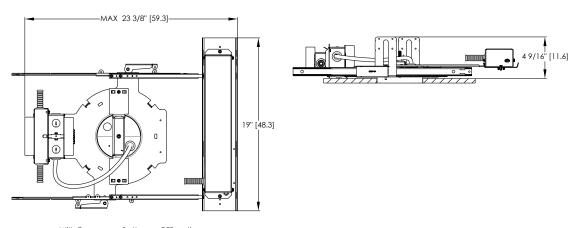
*Dimensions in inches [centimeters]



RGH Double Driver 5000LM+ EDXB & ECOD, 6000LM & 8000LM Standard



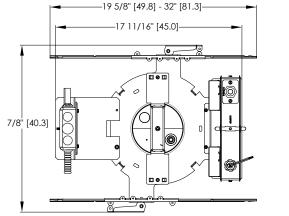
RGH Double Driver with Battery Backup (E10WCPR/E10WCP) for use with 5000LM+ EDXB & ECOD, 6000LM & 8000LM Standard

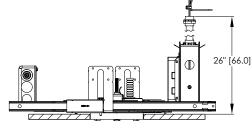


With Emergency Battery or GTD option

Minimum plenum height for emergency batteries in non-accessible ceilings: 12 1/2"[31.8] Ceiling thickness range: 1/2"[1.3] to 3"[7.6] Ceiling cutout: 5 1/16"[12.9]

RGH Double Driver CP Standard

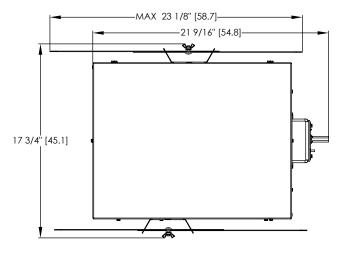


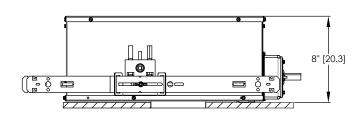


Ceiling thickness range: 1/2"[1.3] to 3"[7.6] Ceiling cutout: 5 1/16"[12.9]

^{*}Dimensions in inches [centimeters]

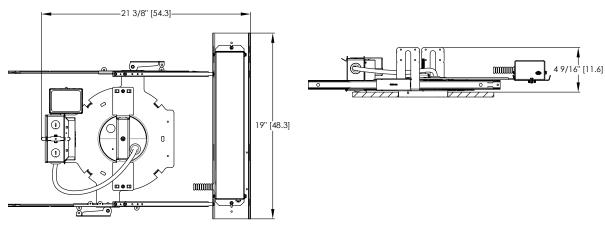
RGH Double Driver with CP for use with 5000LM+ EDXB & ECOD, 6000LM & 8000LM Enclosed





Ceiling thickness range: 1/2"[1.3] to 3"[7.6] Ceiling cutout: 5 1/16"[12.9]

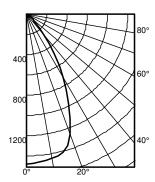
RGH with Battery Backup (E10WCPR) 2500LM-5000LM and with EDXB up to 4500LM & ECOD up to 4000LM Standard



With Emergency Battery or GTD option

Minimum plenum height for emergency batteries in non-accessible ceilings: $12\ 1/2"[31.8]$ Ceiling thickness range: 1/2"[1.3] to 3"[7.6] Ceiling cutout: $5\ 1/16"[12.9]$

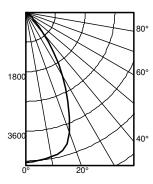
EV06SCWW 35/15 AR LS INPUT WATTS: 14.7, DELIVERED LUMENS: 1496.7LM, LPW= 102, 0.75 S/MH, TEST NO. LTL27747P397



	Ave	Lumens	Zone	Lumens	% Lamp
0	1485		0° - 30°	978.2	65.4
5	1468	139	0° - 40°	1276.9	85.3
15	1410	391	0° - 60°	1446.7	96.7
25	975	448	0° - 90°	1496.7	100.0
35	478	299	90° - 180°	0.0	0.0
45	139	114	0° - 180°	1496.7	*100.0
55	60	56	*	Efficiency	
65	34	34			
75	12	13			
	_	_			

		49.5°		77.4°	
	Inital FC				
Mounting	Center				
Height	Beam	Diameter	FC	Diameter	FC
8.0	49.1	5.1	24.5	8.8	4.9
10.0	26.4	6.9	13.2	12.0	2.6
12.0	16.5	8.8	8.2	15.2	1.6
14.0	11.2	10.6	5.6	18.4	1.1
16.0	8.1	12.4	4.1	21.6	8.0

EV06SCWW 35/45 AR LS INPUT WATTS: 47.3, DELIVERED LUMENS: 4599.8LM, LPW= 97.2, 0.75 S/MH, TEST NO. LTL27747P437



	Ave	Lumens	Zone	Lumens	% Lamp
0	4564		0° - 30°	3006.3	65.4
5	4513	428	0° - 40°	3924.4	85.3
15	4333	1202	0° - 60°	4446.2	96.7
25	2997	1377	0° - 90°	4599.7	100.0
35	1470	918	90° - 180°	0.0	0.0
45	426	351	0° - 180°	4599.7	*100.0
55	185	171	*	Efficiency	
65	105	104			
75	37	41			
85	10	9			
90	4				

		49.5	5°	77.4	l°
	Inital FC				
Mounting	Center				
Height	Beam	Diameter	FC	Diameter	FC
8.0	150.9	5.1	75.4	8.8	15.1
10.0	81.1	6.9	40.6	12.0	8.1
12.0	50.6	8.8	25.3	15.2	5.1
14.0	34.5	10.6	17.3	18.4	3.5
16.0	25.0	12.4	12.5	21.6	2.5

50% beam - 10% beam -

(A)

B

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.

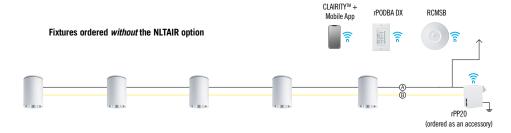
nLight® AIR Control Accessories
Order as separate catalog number. Visit nLight AIR.

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

Possibilites for nLight® AIR





UL924 Sequence of Operation

The below information applies to all nLight AIR devices with an EM option.

- EM devices will remain at their high-end trim and ignore wireless lighting control commands, unless a normal-power-sensed (NPS) broadcast is received at least every 8 seconds.
- Using the CLAIRITY+ mobile app, EM devices must be associated with a group that includes a normal power sensing device to receive NPS broadcasts.
- Only non-emergency rPP20, rLSXR, rSBOR, rSDGR, and nLight AIR luminaires with version 3.4 or later firmware can provide normal power sensing for EM devices. See specification sheets for control devices and luminaires for more information on options that support normal power sensing.

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 <u>nitight.</u>				
Wall Switches	Model Number			
On/Off single pole	nPODM (color)			
On/Off two pole	nPODM 2P (color)			
On/Off & raise/lower single pole	nPOD DX (color)			
On/Off & raise/lower two pole	nPODM 2P DX (color)			
Graphic touchscreen	nPOD GFX (color)			
Photocell Controls				
Dimming	nCM ADCX			

nLight® Wired Control Accessories (cont.)

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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

Possibilites for nLight® wired

