



Lensed Wall Wash Surface Ceiling Cylinder with nTune

6"

Feature Set

- 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 option (WL), covered ceiling
- 20 standard colors in textured and gloss finish; custom or RAL colors also available
- Field configurable surface junction box conduit covers available

Distribution



Superior Performance

Nominal Lumens	750	1000	1500	2000	2500	3000	3500	4000	4500
Delivered	492	595	812	1109	1430	1703	2042	2342	2736
Wattage	9	11	14	19	24	29	35	40	48
Efficacy	55	57	58	59	60	60	59	58	57

*80 CRI, 3500K

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



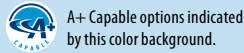
Clean Room



Shower



Steam Room



Luminaire Type:

Catalog Number:

EXAMPLE: EV06SCLW TUWH RHYR/20 AR LSS MVOLT EZ1 JBX DWHG

Series	Dynamic Feature	Dynamic Range ¹	Lumens ²	Reflector Color
EV06SCLW EVO 6in Surface Ceiling Round Cylinder Lensed Wall Wash	TUWH Tunable White WDIM Warm Dimming	PROR/ Productivity Range (3000K-5000K) RHYR/ Rhythm Range (2700K-6500K) HALR/ Halogen Range (3000K-1800K)	02 250 lumens 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 45 4500 lumens 50 5000 lumens	AR Clear PR Pewter WTR Wheat GR Gold WR ³ White painted BR ³ Black WRAMF ³ White Anti-microbial BZR ³ Dark Bronze painted

Reflector Finish	Voltage	Mounting	Control Interface ⁵
LSS Semi-specular LD Matte diffuse LS Specular	MVOLT 120V - 277V 120 120V 277 277V 347 ⁴ 347V	JBX Integral driver, Recessed or Surface J-box JBXCC Integral driver, Surface J-box with Conduit Covers RGH Recessed gear housing	NLT nLight nTune interface NLTER ⁶ nLight nTune interface with emergency circuit ZT 0-10V dimming DALI DALI logarithmic dimming to <1%.

Options	Architectural Colors - Powder Paint ⁹
SF Single fuse. Specify 120V or 277V. 90CRI High CRI (90+) N80 nLight Lumen Compensation HAO ⁷ HAO High Ambient Option (40°C) WL ⁸ Wet Location	DWHAMF Gloss White with Anti-microbial finish DDB Gloss Dark Bronze 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 DBBT 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

ACCESSORIES — order as separate catalog numbers (shipped separately)

CYLJBXADPT 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

- PROR and RHYR available only with TUWH. HALR available only with WDIM.
- Nominal lumen values when tested at 3500K.
- Not Available with Finishes.
- Factory supplied step down transformer must be remote mounted. Access required to location of remote mounted device.
- TUWH + NLT/NLTER requires RGH mounting and power from nLight network bridge or nPS 80. WDIM + NLT/NLTER available factory installed with RGH; nLight field installed with other mounting types. Access required to location of remote mounted.
- 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.
- Not available with JBXCC. Max: 3000LM.
- Only available up to 3000 lumens wet location.
- For details on RAL and Custom colors please see [Architectural colors](#).

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.

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.

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

Controls

Luminaire shall be equipped with interface for nLight wired or nLight AIR networks with integral power supply as per specification. 0-10V (ZT) with TUWH requires (2) 0-10V controllers (one for CCT, one for intensity)

Emergency

luminaires supplied with a battery pack comply with NFPA 101 (Life Safety code) and deliver constant light output throughout the 90 minutes of code required emergency operation period when there is a normal AC power loss.

luminaires equipped with a generator transfer device work in conjunction with an auxiliary generator or a central inverter system to power fixtures for safe egress lighting.

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 – 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

Heaving-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 gear box available for driver above ceiling, nLight, or battery pack options.

Listings

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).

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 within a tolerance of <2.5 MacAdam ellipse as defined by the center of the quadrangles defined in ANSI C78.377-2015.

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/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.

CSA+ 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

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

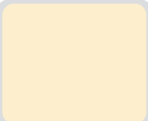
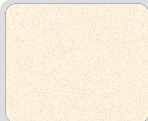
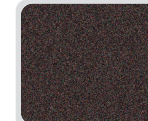
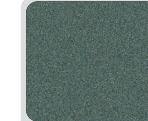
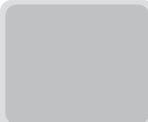
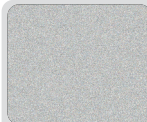
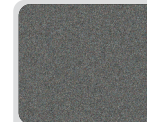
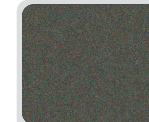
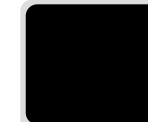
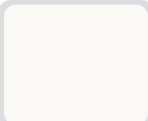
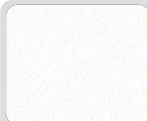
*Changable through DALI controller

Reflector Finish Multiplier	
Reflector Finish	Multiplier
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

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

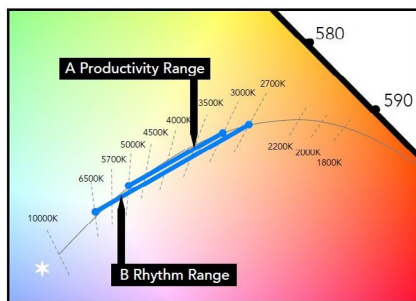
J-box Compatibility Matrix		Cylinder Configurations		
		JBX	JBX w/EDXB Driver	JBXCC
Recommended J-box (by others)	4" Octagonal 4x4x1.5 deep*	✓	✗	✓
	4" Octagonal 4x4x2.125 deep	✓	✓	✗
	4" Square 4x4x1.5 deep	✓ *with adaptor plate accessory	✗	✗

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					

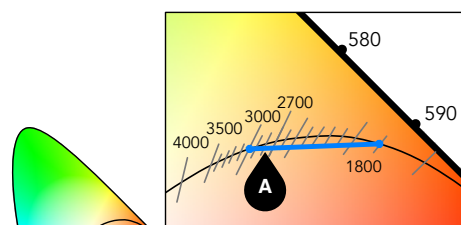
NOTE: These colors were carefully reproduced to give as true a depiction as possible of finished product color. Some colors, however, may vary slightly from actual appearance due to display/printing variations and limitations. Please always contact a Lithonia representative for an accurate paint chip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

MAINSTREAM DYNAMIC TUNABLE WHITE WITH NTUNE TECHNOLOGY



A Productivity Range 3000K to 5000K

B Rhythm Range 2700K to 6500K



A Halogen Range 3000K to 1800K

Tunable white nTune™ is an all digital light color temperature control within an nLight enabled luminaire. This brings tunable white lighting control into the mainstream with repeatable, consistent results in an economical luminaire form and system already familiar to schools. Designers and facility operators are granted the freedom to tie scenes to specific activities or to complement colors or materials within a visual environment. nTune™ allows color temperature settings through the Productivity Range of 3000K to 5000K or Rhythm Range of 2700K to 6500K. Refer to nLight Programming User's Guide for instructions on customizing to your application with SensorView™.

TUNABLE WHITE GPHD

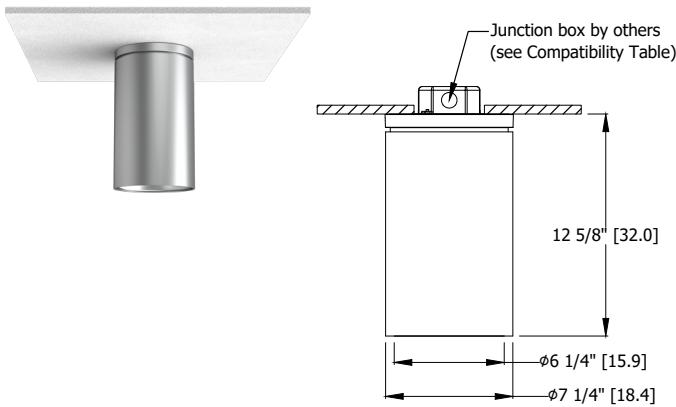
Gamut: One dimensional warm-Cool

Path: Direct 3000K to 5000K (Productivity Range) or 2700K to 6500K (Rhythm Range)

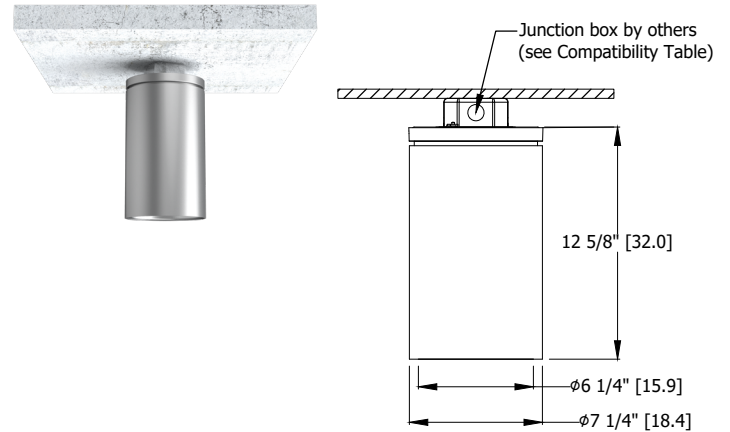
Handle: Two Natural Language Handles: Intensity and CCT

Data: nLight with nTune technology for both handles of control

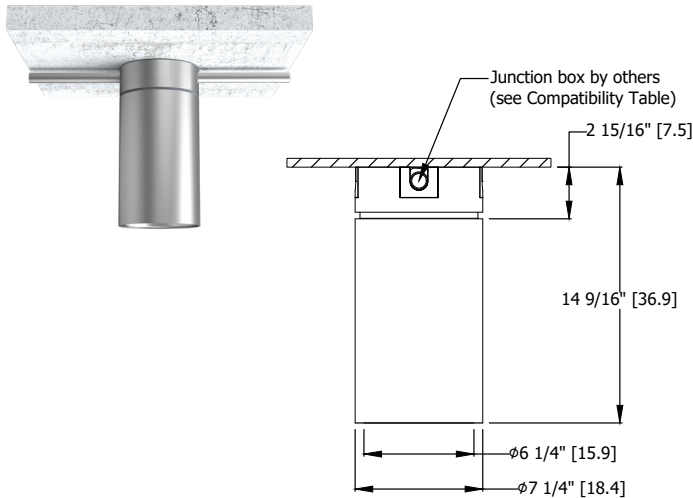
JBX Recessed J-Box



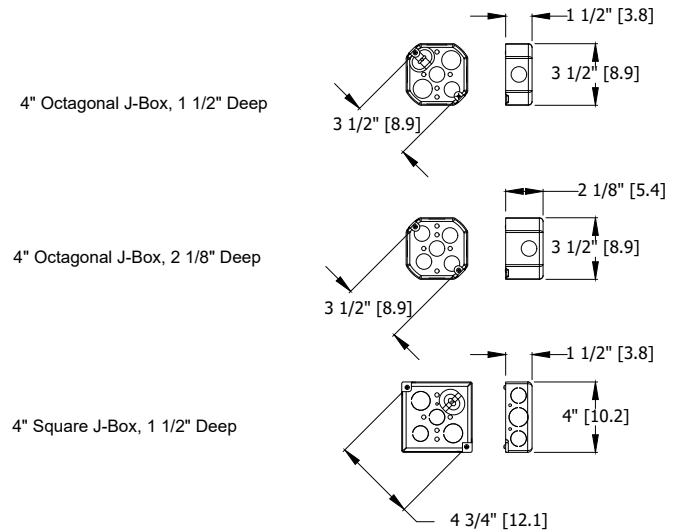
JBX Surface J-Box



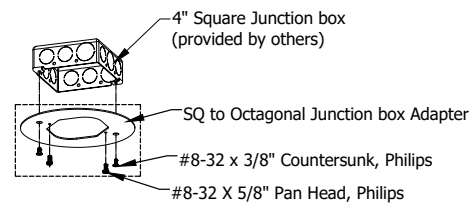
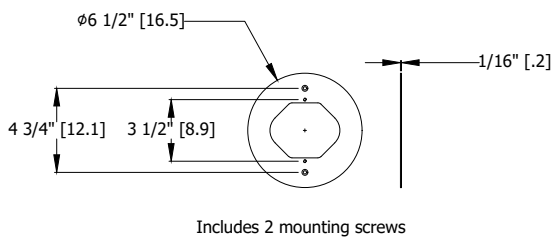
JBXCC Surface J-Box with Conduit Covers



Junction Box Dimensions (by others)



Cylinder Adapter Plate

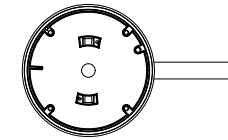


*Dimensions in inches [centimeters]

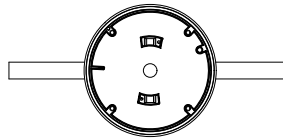
Conduit Feed Examples and Keys


Conduit Key
(4) provided with each,
for use with 1/2" or 3/4" conduit

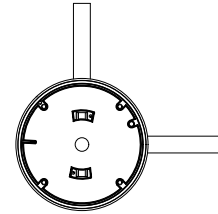

Blank Key
(4) provided with each



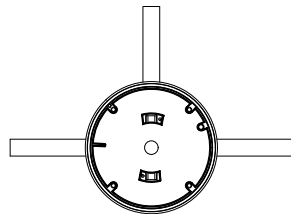
Single Conduit Feed



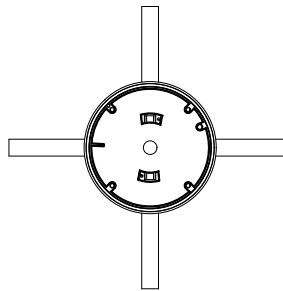
Double 180° conduit



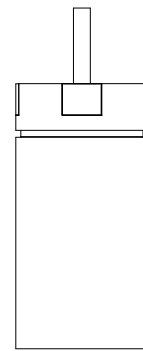
Double 90° conduit



Triple 0°, 90° & 180° conduit

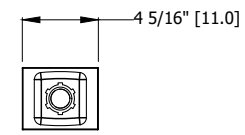
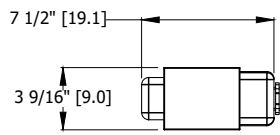
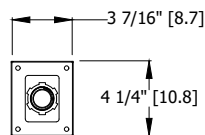
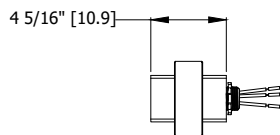
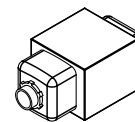
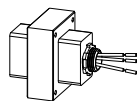


Quad 0°, 90°, 180°, & 270° conduit



Top conduit feed

347V Stepdown Transformer



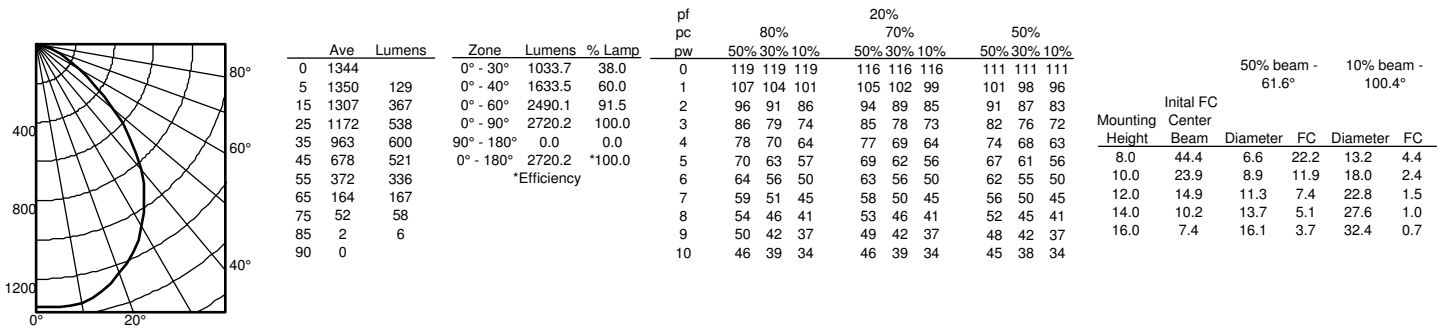
347 Transformer:
Up to 6000LM
Install to accessible
junction box by others

347 Transformer:
8000LM and up
Install to accessible
junction box by others

*Dimensions in inches [centimeters]

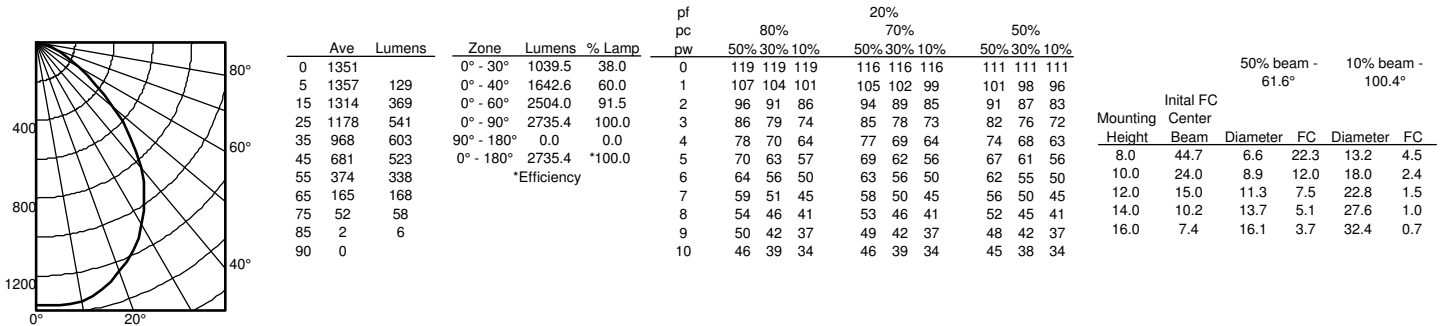
EV06PCLW TUWH RHYR /45 6AR LS CRI80 2700K

INPUT WATTS: 48.2, DELIVERED LUMENS: 2720, LM/W=56.4, WALLWASH, TEST NO. 19-031-06P97



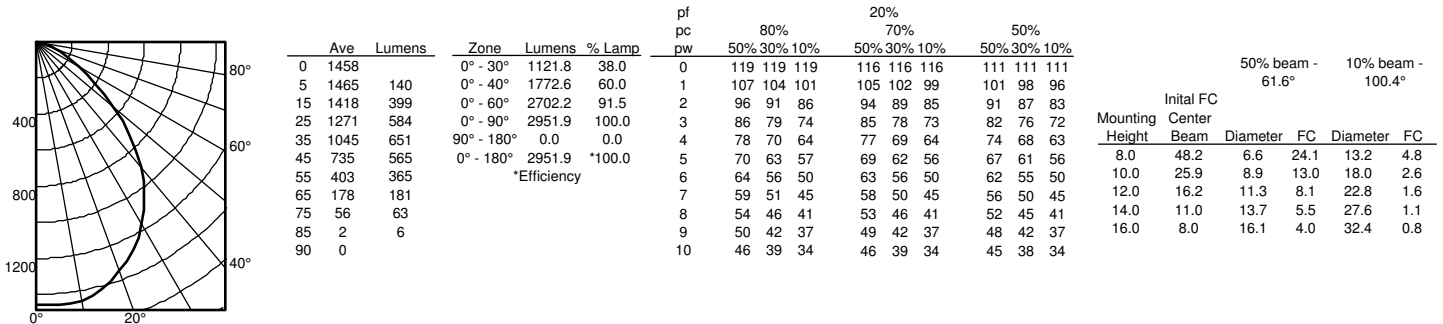
EV06PCLW TUWH RHYR /45 6AR LS CRI80 3500K

INPUT WATTS: 48.2, DELIVERED LUMENS: 2736, LM/W=56.7, WALLWASH, TEST NO. 19-031-06P99



EV06PCLW TUWH RHYR /45 6AR LS CRI80 6500K

INPUT WATTS: 48.2, DELIVERED LUMENS: 2952, LM/W=61.2, WALLWASH, TEST NO. 19-031-06P102



nLIGHT

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

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

