



General Illumination Pendant Stem Cylinder Wallwash with nTune

6"

Feature Set

- Anodized kicker reflector provides uniform illumination from floor to ceiling
- 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)
- 20 standard colors in textured and gloss finish; custom or RAL colors also available
- Field cuttable 5/8" stems with concealed couplers.
- ENERGY STAR® Certified product

Distribution



Superior Performance

Nominal Lumens	750	1000	1500	2000	2500	3000	3500	4000	4500	5000
Delivered Lumens	540	691	1023	1395	1764	2140	2463	2800	3152	3423
Wattage	7.8	9.1	14.0	18.8	23.5	28.1	32.2	37.1	45.0	46.3
Lumens per Watt	69.1	75.6	73.1	74.4	75.0	76.2	76.5	75.4	70.0	73.9



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



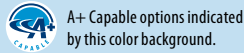
Clean Room



Shower



Steam Room



Luminaire Type:

Catalog Number:

EXAMPLE: EV06PCWW TUWH RHYR/20 35/15 AR LSS MVOLT JBXCC PCAN S12 ZT DWHG

Series	Dynamic Feature	Dynamic Range ¹	Nominal Lumen Values ²	Reflector Color	Reflector Finish
EV06PCWW	TUWH Tunable White WDIM Warm Dimming	PROR/ Productivity Range (3000K-5000K) RHYR/ Rhythm Range (2700K-6500K) HALR/ Halogen Range (3000K-1800K)	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	LSS Semi-specular LD Matte diffuse LS Specular
EV06PCCWW	EVO 6in Pendant Stem Round Cylinder Corner Wall Wash				
EV06PCDWW	EVO 6in Pendant Stem Round Cylinder Double Wall Wash				

Voltage	Mounting	Canopy Type	Stem Length ⁶
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 SGB Surface Gear Box (for driver at ceiling), Recessed or Surface J-box (not wall or surface ceiling) SGBCC Surface Gear Box (for driver at ceiling), Surface J-box with Conduit Covers (not wall or surface ceiling) RGH Recessed gear housing	PCAN 5° stem canopy with "hang straight" swivel PCAN45 ⁵ 45° stem canopy with "hang straight" swivel	S2 2 foot 5/8" stem S4 4 foot 5/8" stem S6 6 foot 5/8" stem S8 8 foot 5/8" stem S10 10 foot 5/8" stem S12 12 foot 5/8" stem

Control Interface ⁷	Options	Architectural Colors - Powder Paint ¹¹
NLT nLight nTune interface NLTER ⁸ nLight nTune interface with emergency circuit ZT 0-10V dimming DALI DALI logarithmic dimming to <1%.	SF Single fuse. Specify 120V or 277V. 90CRI High CRI (90+) N80 nLight Lumen Compensation HAO ⁹ HAO High Ambient Option (40°C) WL ¹⁰ Wet Location	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 DWHAMF Gloss White with Anti-microbial finish

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.
- Not available with SGB or SGBCC: those mountings require a flat ceiling.
- Stem section adjacent to cylinder can be cut in field to achieve non-uniform lengths (i.e. for a field cut 3' length, order 4' stem).
- 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.
- Only available up to 3500 lumens; up to 2500 lumens wet location.
- Not available with JBXCC, SGB, or SGBCC.
- 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 cylinder body with flangeless reflector allows flow-through passive thermal management. Canopy matches cylinder in finish and diameter. Pendant stem mount for installation to 4" recessed or surface octagonal junction box with integral driver. Recessed gear box available for driver above ceiling, nLight, or battery pack options. Surface gear box available for driver at ceiling installation. Optional field configurable conduit covers available. Conduit covers match cylinder in finish and diameter.

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). Luminaire configurations are Energy Star certified through testing in EPA-recognized laboratories, with the results reviewed by an independent, accredited certification organization. Visit www.energystar.gov for specific configurations listed.

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.

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

Stabilization Kit (CYLSTBL KIT) Accessory

The Stabilization Kit offers additional support for applications where wind may be a factor and the pendant stem cylinder needs to be secured.

Cables

Three (3) 20 ft. 304 grade stainless steel aircraft cables with outer diameters of 1/16" are attached to anchoring mechanisms in the mounting surface at one end and the provided stem collar around the pendant stem at the other end.

Cables should be anchored 120° +/- 10° from each other radially and positioned at 45° or greater from the stem for optimal support of the fixture.

Clamps and Stem Collars

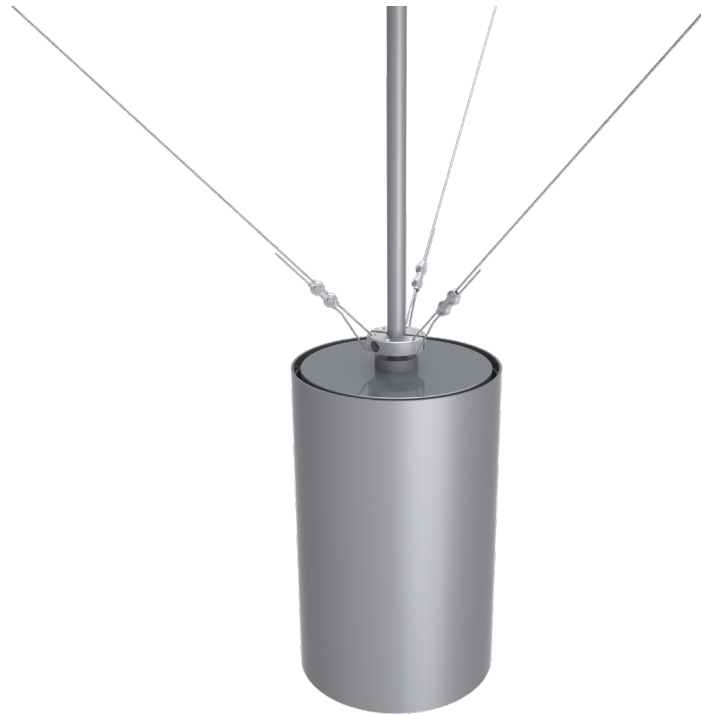
The stem collar consists of two (2) half stem collars made of 304 stainless steel. Both stem collar halves are attached around the pendant stem with 304 stainless steel socket head cap screws.

Six (6) cable clamps made of 304 stainless steel are used in the stabilization kit with two (2) clamps per cable attached to each anchoring point and the stem collar.

The cable tension can be adjusted from either end.

Wind Load

The Stabilization Kit is designed to withstand 90mph winds for 3 seconds comparable to ASCE 7-10, MRI 50-year (fixture EPA is 0.3 sq ft)



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

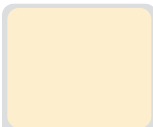
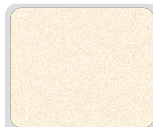
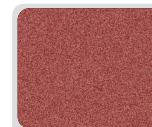
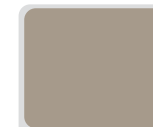
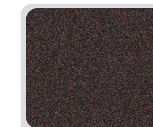
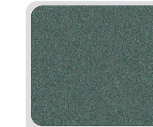
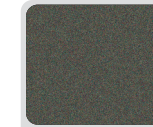
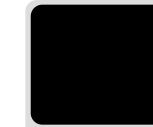
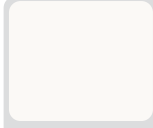
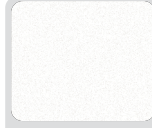
*Changable through DALI controller

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 SOL0drive	nPS 80 EZ	nPS 80 EZ ER	RPP20 D 24V G2	RPP20 D 24V ER G2

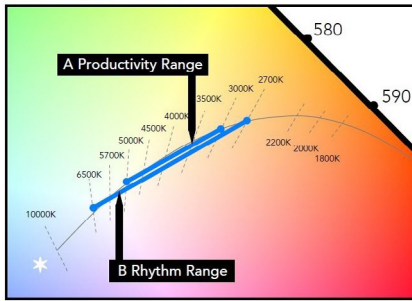
J-box Compatibility Matrix		Cylinder Configurations					
		JBX	SGB	SGBCC	SGB w/EDXB Driver	SGBCC w/EDXB Driver	JBXCC
Recommended J-box (by others)	4" Octagonal 4x4x1.5 deep"	✓	✓	✓	✓	✓	✓
	4" Octagonal 4x4x2.125 deep	✓	✓	✗	✓	✗	✗
	4" Square 4x4x1.5 deep	*with adaptor plate accessory	*with adaptor plate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

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™.

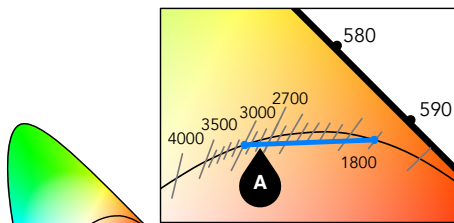
TUNABLE WHITE GPHD

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



A Halogen Range 3000K to 1800K

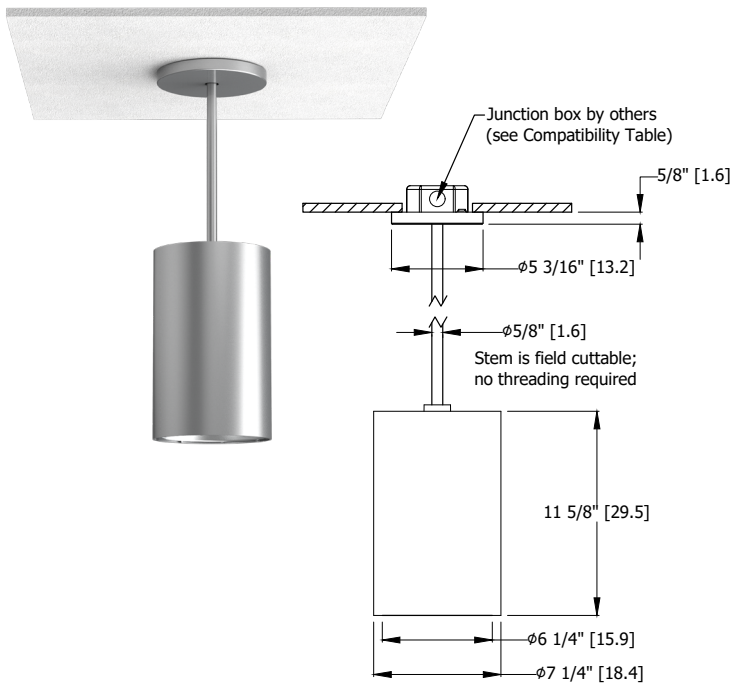
How to Estimate Delivered Lumens in Emergency Mode

$$\text{Delivered Lumens} = 1.25 \times P \times \text{LPW}$$

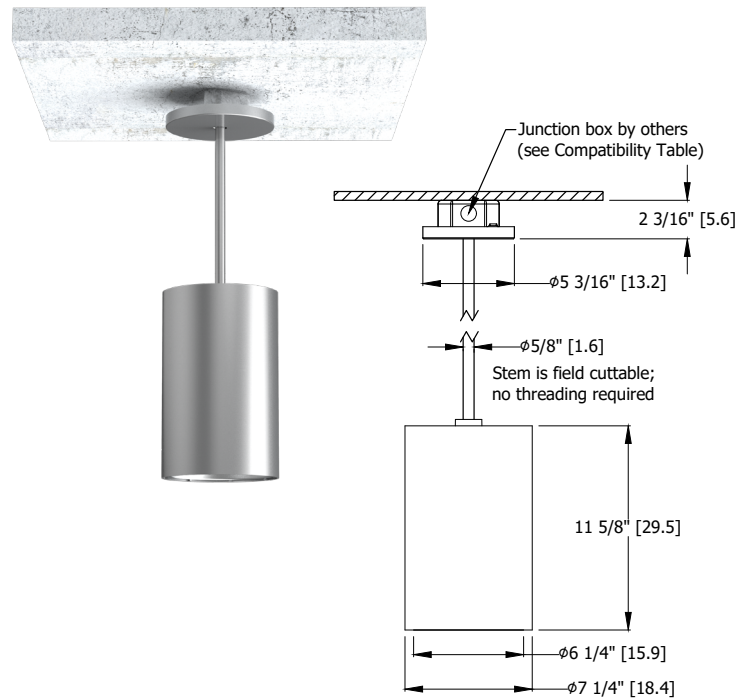
P = Output power of emergency driver. P = 10W for PS1055CP

LPW = Lumen per watt rating of the luminaire. This information is available on the ABL luminaire spec sheet.

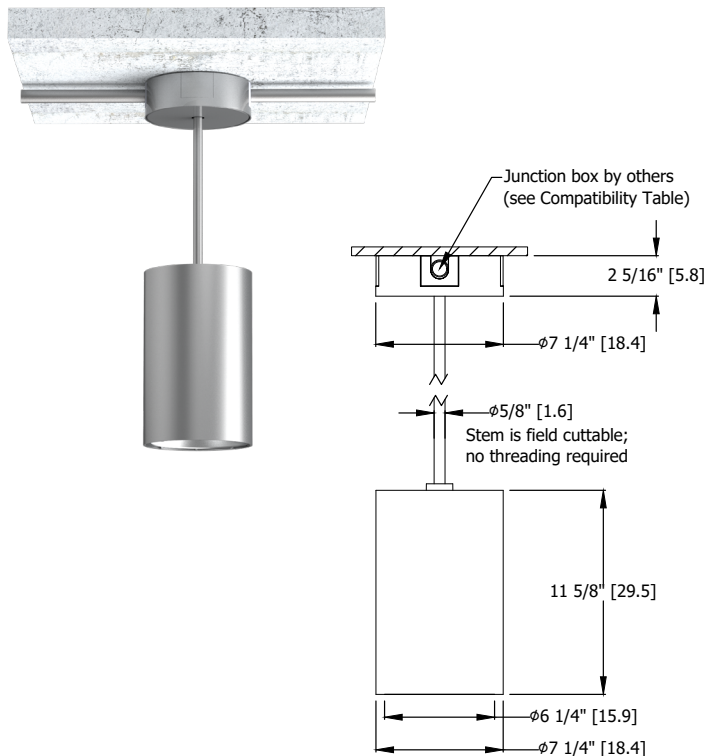
JBX Recessed J-Box



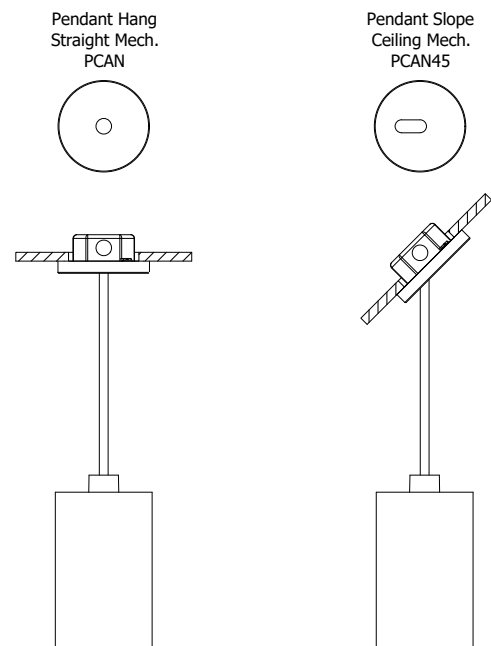
JBX Surface J-Box



JBXCC Surface J-Box with Conduit Covers

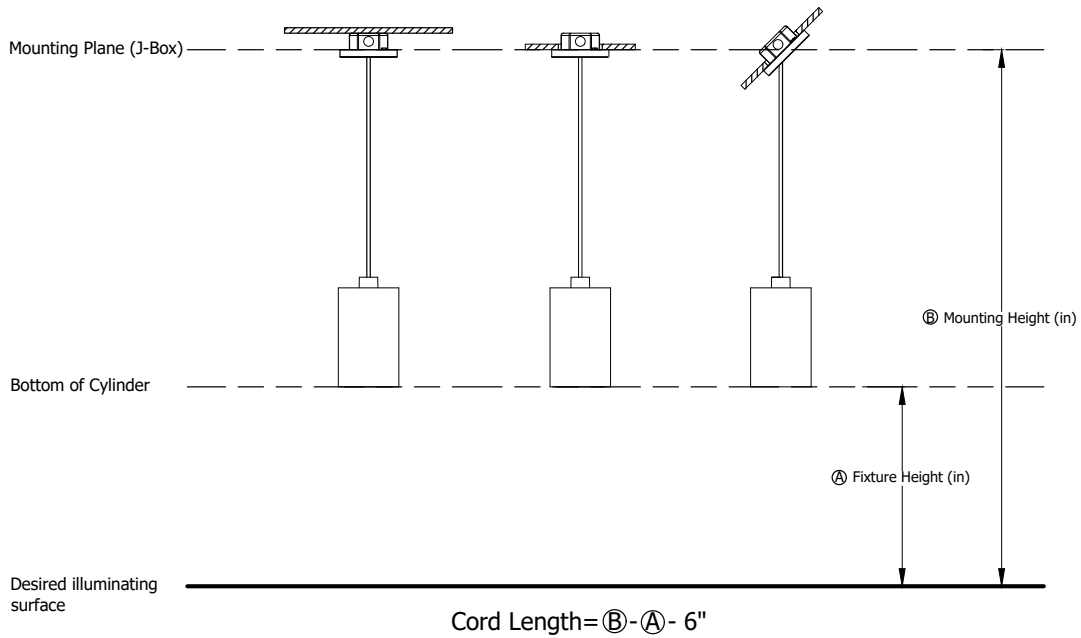


Canopy Covers for Flat or Sloped Ceilings

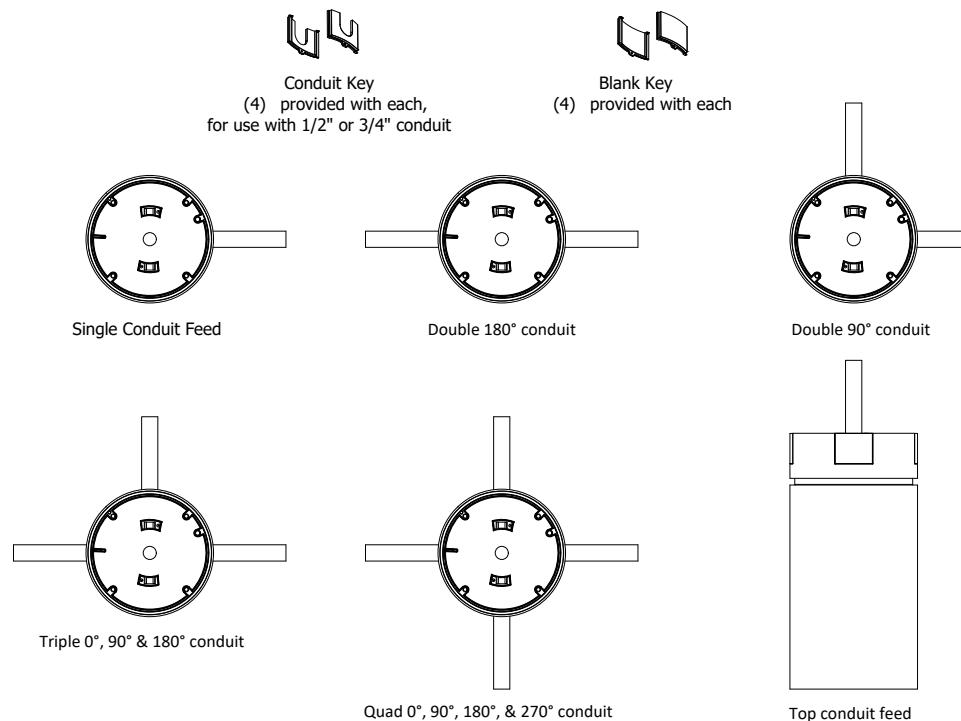


*Dimensions in inches [centimeters]

Stem Cutting Formulas for JBX

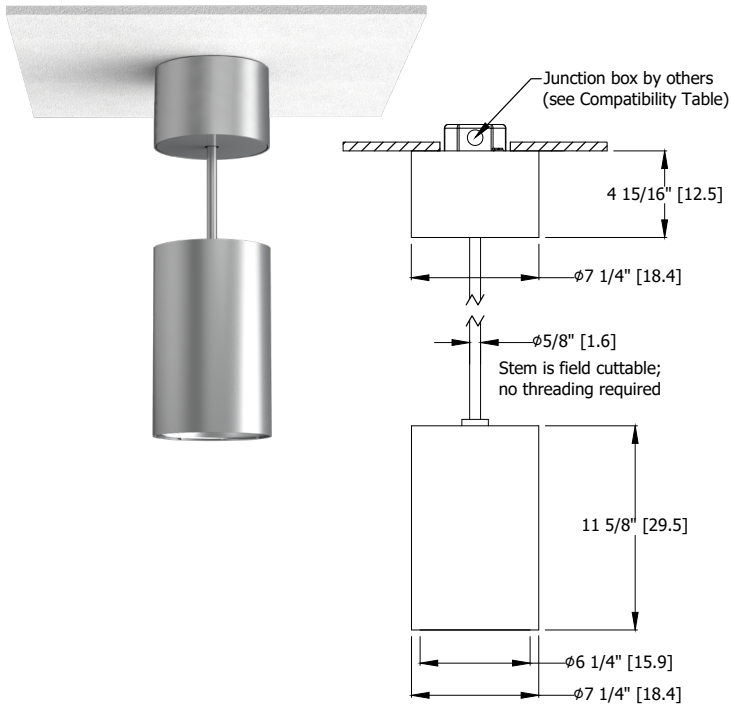


Conduit Feed Examples and Keys

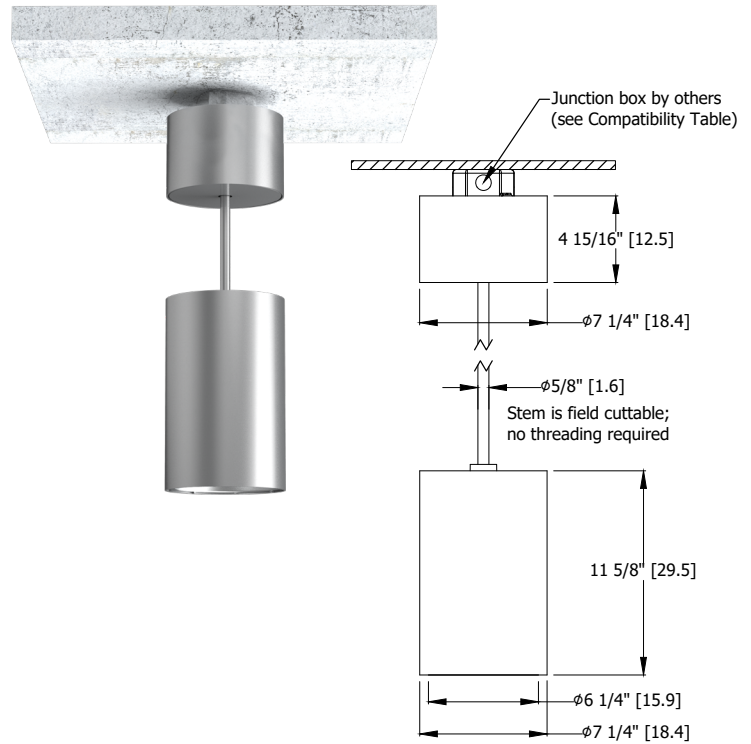


*Dimensions in inches [centimeters]

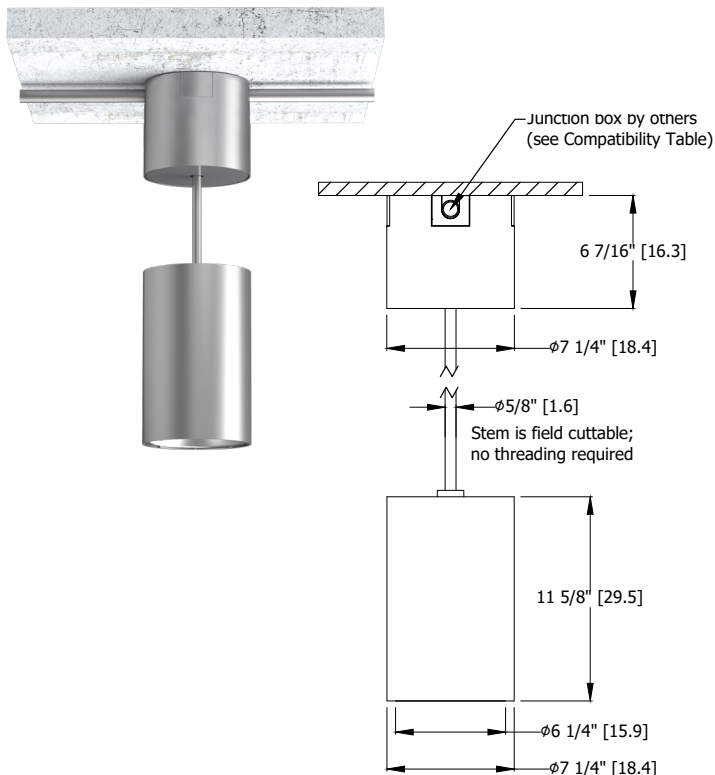
SGB Surface Gear Box for DMX recessed J-box



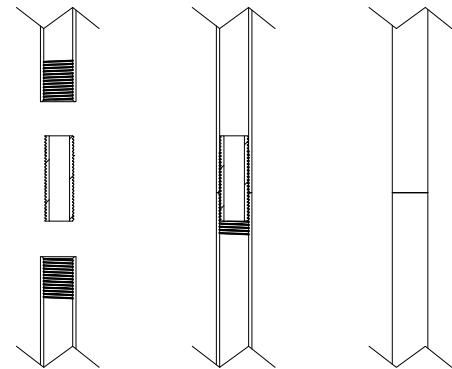
SGB Surface Gear Box for DMX Surface J-Box



SGBCC Surface Gear Box for DMX with Conduit Covers

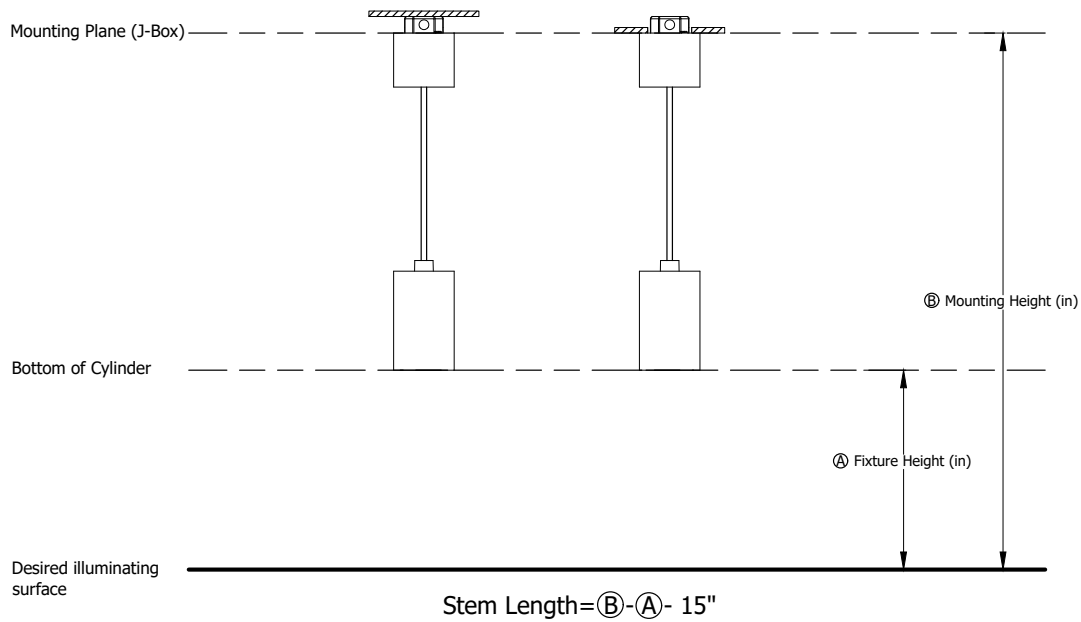


Stem Connection Method

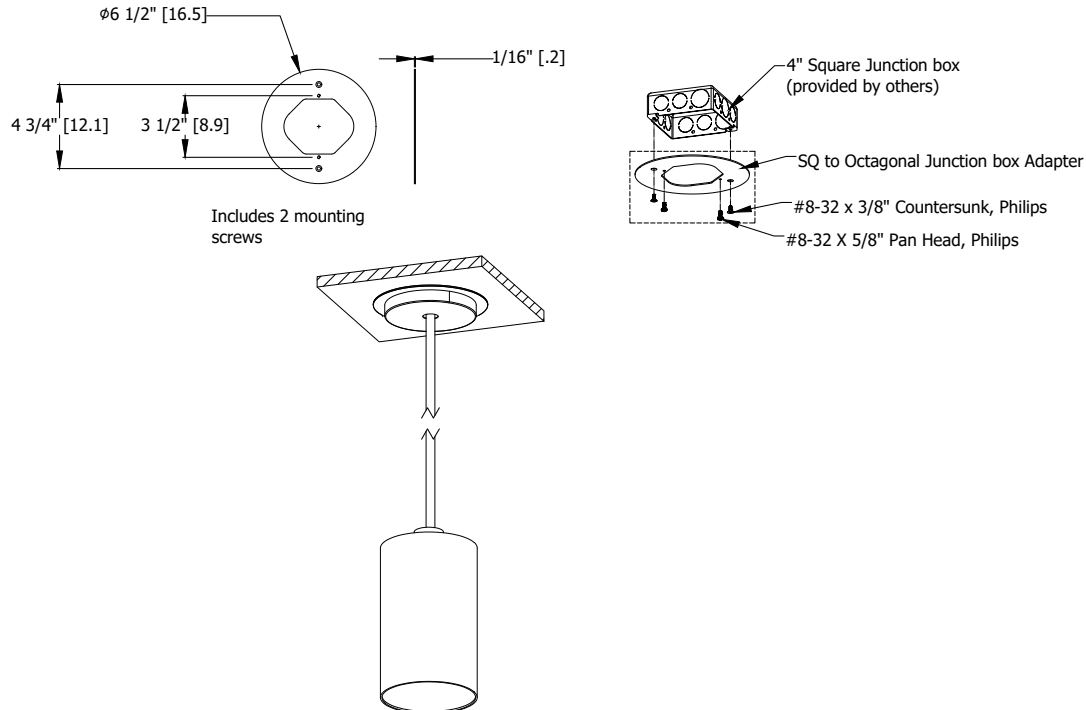


*Dimensions in inches [centimeters]

Stem Cutting Formulas for SGB

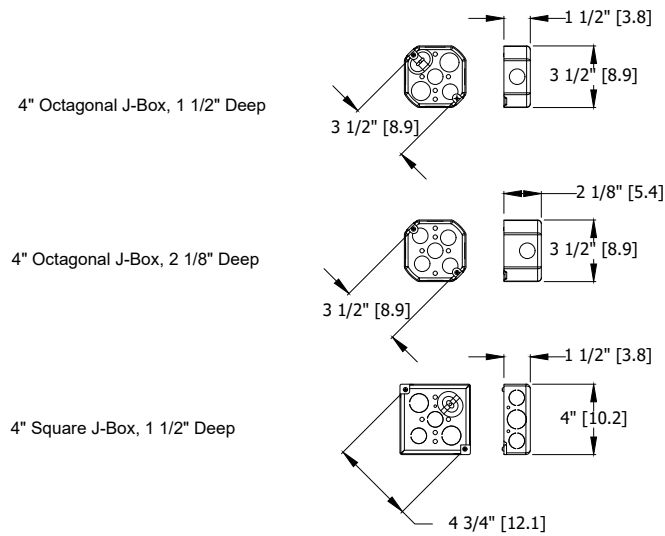


Cylinder Adaptor Plate

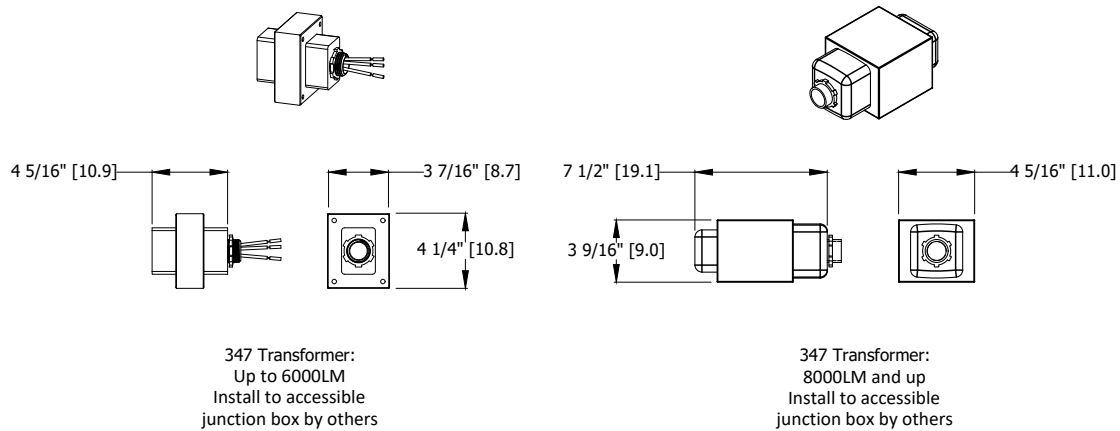


*Dimensions in inches [centimeters]

Junction Box Dimensions (by others)



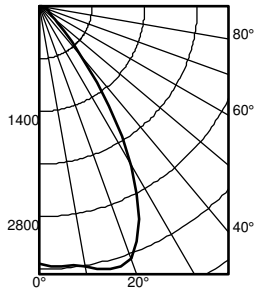
347V Stepdown Transformer



*Dimensions in inches [centimeters]

EV06WW TUWH RHYR /45 6AR LS CRI80 2700K

INPUT WATTS: 48.2, DELIVERED LUMENS: 4541, LM/W=94.2, WALLWASH, TEST NO. 19-102-C01P97

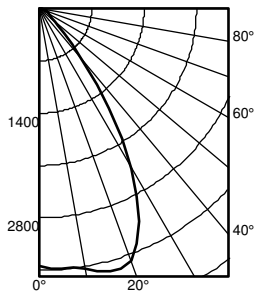


Ave	Lumens	Zone	Lumens	% Lamp	pf pc pw	80%			20% 70%			50%		
						50%	30%	10%	50%	30%	10%	50%	30%	10%
0	3430	0° - 30°	2761.9	60.8	0	119	119	119	116	116	116	111	111	111
5	3467	0° - 40°	3780.8	83.3	1	109	107	104	107	105	102	103	101	99
15	3623	0° - 60°	4348.6	95.8	2	100	96	92	99	94	91	95	92	89
25	3125	0° - 90°	4541.4	100.0	3	92	87	82	91	86	82	88	84	80
35	1627	90° - 180°	0.0	0.0	4	85	79	74	84	78	74	82	77	73
45	458	0° - 180°	4541.4	*100.0	5	79	73	68	78	72	67	76	71	67
55	202	*Efficiency				6	74	67	62	73	66	62	71	66
65	127				7	69	62	57	68	62	57	67	61	57
75	53				8	64	58	53	64	57	53	62	57	53
85	8				9	60	54	49	60	53	49	59	53	49
90	0				10	56	50	46	56	50	46	55	50	46

Initial FC		50% beam - 58.3°		10% beam - 82.0°	
Mounting Height	Center Beam	Diameter	FC	Diameter	FC
8.0	113.4	6.1	56.7	9.6	11.3
10.0	61.0	8.4	30.5	13.0	6.1
12.0	38.0	10.6	19.0	16.5	3.8
14.0	25.9	12.8	13.0	20.0	2.6
16.0	18.8	15.1	9.4	23.5	1.9

EV06WW TUWH RHYR /45 6AR LS CRI80 3500K

INPUT WATTS: 48.2, DELIVERED LUMENS: 4567, LM/W=94.7, WALLWASH, TEST NO. 19-102-C01P99

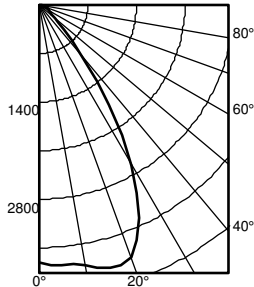


Ave	Lumens	Zone	Lumens	% Lamp	pf pc pw	80%			20% 70%			50%		
						50%	30%	10%	50%	30%	10%	50%	30%	10%
0	3449	0° - 30°	2777.4	60.8	0	119	119	119	116	116	116	111	111	111
5	3486	0° - 40°	3801.9	83.3	1	109	107	104	107	105	102	103	101	99
15	3643	0° - 60°	4372.8	95.8	2	100	96	92	99	94	91	95	92	89
25	3143	0° - 90°	4566.7	100.0	3	92	87	82	91	86	82	88	84	80
35	1637	90° - 180°	0.0	0.0	4	85	79	74	84	78	74	82	77	73
45	460	0° - 180°	4566.7	*100.0	5	79	73	68	78	72	67	76	71	67
55	204	*Efficiency				6	74	67	62	73	66	62	71	66
65	127				7	69	62	57	68	62	57	67	61	57
75	53				8	64	58	53	64	57	53	62	57	53
85	8				9	60	54	49	60	53	49	59	53	49
90	0				10	56	50	46	56	50	46	55	50	46

Initial FC		50% beam - 58.3°		10% beam - 82.0°	
Mounting Height	Center Beam	Diameter	FC	Diameter	FC
8.0	114.0	6.1	57.0	9.6	11.4
10.0	61.3	8.4	30.7	13.0	6.1
12.0	38.2	10.6	19.1	16.5	3.8
14.0	26.1	12.8	13.0	20.0	2.6
16.0	18.9	15.1	9.5	23.5	1.9

EV06WW TUWH RHYR /45 6AR LS CRI80 6500K

INPUT WATTS: 48.2, DELIVERED LUMENS: 4928, LM/W=102.2, WALLWASH, TEST NO. 19-102-C01P102



Ave	Lumens	Zone	Lumens	% Lamp	pf pc pw	80%			20% 70%			50%		
						50%	30%	10%	50%	30%	10%	50%	30%	10%
0	3722	0° - 30°	2997.2	60.8	0	119	119	119	116	116	116	111	111	111
5	3762	0° - 40°	4102.8	83.3	1	109	107	104	107	105	102	103	101	99
15	3931	0° - 60°	4719.0	95.8	2	100	96	92	99	94	91	95	92	89
25	3392	0° - 90°	4928.2	100.0	3	92	87	82	91	86	82	88	84	80
35	1766	90° - 180°	0.0	0.0	4	85	79	74	84	78	74	82	77	73
45	497	0° - 180°	4928.2	*100.0	5	79	73	68	78	72	67	76	71	67
55	220	*Efficiency				6	74	67	62	73	66	62	71	66
65	137				7	69	62	57	68	62	57	67	61	57
75	57				8	64	58	53	64	57	53	62	57	53
85	9				9	60	54	49	60	53	49	59	53	49
90	0				10	56	50	46	56	50	46	55	50	46

Initial FC		50% beam - 58.3°		10% beam - 82.0°	
Mounting Height	Center Beam	Diameter	FC	Diameter	FC
8.0	123.1	6.1	61.5	9.6	12.3
10.0	66.2	8.4	33.1	13.0	6.6
12.0	41.2	10.6	20.6	16.5	4.1
14.0	28.1	12.8	14.1	20.0	2.8
16.0	20.4	15.1	10.2	23.5	2.0

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

