gotham® | E V O®

Multiple Layers of Light

Luminaire Type:

Catalog Number:

Pendant Stem Cylinder with Care222® UV Technology 6"

EV06PC UV222H | EV06PC UV222VL | EV06PC UV222

Feature Set

- Visible light integrated with filtered far-UVC 222nm light module in Hybrid and UV-only solutions
- Visible Light only companion option available
- Bounding Ray™ optical design
- 65° cutoff to source and source image
- 2.5 MacAdam Ellipse; 80 CRI typical, 90+ CRI optional
- Medium Wide 1.0 S:MH distribution standard
- Fixtures are damp location listed
- 20 standard colors in textured and gloss finish; custom or RAL colors also available
- Field configurable surface junction box conduit covers available
- Field cuttable 5/8" stems with concealed couplers
- Available with 10% dimming, 1% dimming, or dim to dark

Distribution

medium wide
1.0 S:MH

Coordinated Apertures | Multiple Layers of Light

EV06PC Stem Mount Cylinder with Care222

EV06SC Surface Mount Cylinder with Care222

EV06WC Wall Mount Cylinder with Care222

Gotham Care222

Downlight New Construction | Downlight 6" Remodel | Downlight 7" Remodel | Cylinder Wall Mount | Cylinder Pendant Mount | Cylinder Surface Mount

A+ 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.

GOTHAM ARCHITECTURAL DOWNLIGHTING | Acuity Brands Lighting, Inc., One Lithonia Way Conyers, GA 30012 | P 800-705-SERV (7378) | gothamlighting.com

AcuityBrands.

ORDERING INFORMATION

Luminaire Type:

Catalog Number:

EXAMPLE: EVO6PC UV222H D108 35/15 AR MWD LSS MVOLT EZ1 JBXCC PCAN S12 DWHG

Series		Wavelength[1]		Programming Option[2]		Color Temperature[3]		Lumens[3]		Reflector Color	
EVO6PC	EVO 6In. Pendant Stem Round Cylinder Open Downlight	UV222H	Visible light integrated with 222nm UV module	D108	Dose Level for 108 inch (min) to 113.9 inch (max) Height from Floor to Module Face	27/	2700 K	05	500 lumens	AR	Clear
		UV222[4]	222nm UV module only (no visible light)	D114	Dose Level for 114 inch (min) to 119.9 inch (max) Height from Floor to Module Face	30/	3000 K	10	1000 lumens		
		UV222VL	Visible light downlight (companion fixture - no UV module)	D120	Dose Level for 120 inch (min) to 125.9 inch (max) Height from Floor to Module Face	35/	3500 K	15	1500 lumens		
				D126	Dose Level for 126 inch (min) to 131.9 inch (max) Height from Floor to Module Face	40/	4000 K	20	2000 lumens		
				D132	Dose Level for 132 inch (min) or Greater Height from Floor to Module Face						

Reflector Finish		Voltage		Driver[1]		Mounting		Canopy Type	
LSS	Semi-specular	MVOLT	120V - 277V	GZ10	0-10V driver dims to 10%	JBX	Integral driver, Recessed or Surface J-box	PCAN	5° Stem canopy with "hang straight" swivel
LD	Matte diffuse	120	120V	GZ1	0-10V driver dims to 1%	JBXCC	Integral driver, Surface J-box with Conduit Covers	PCAN45	45° Stem canopy with "hang straight" swivel
LS	Specular	277	277V	EZ10	eldoLED 0-10V ECOdrive. Linear dimming to 10% min.				
				EZ1	eldoLED® 0-10V ECOdrive. Linear dimming to 1% min.				
				EZB	eldoLED® 0-10V SOLOdrive. Logarithmic dimming to <1%.				
				EDAB[4]	eldoLED® SOLOdrive DALI. Logarithmic dimming to <1%.				

Stem Length[5]		Controls Interface[1]		Options		Architectural Colors - Powder Paint[8]			
S2	2 foot 5/8" stem	(blank)	No controls	(blank)	No options	DDB	Gloss Dark Bronze	DDBT	Textured Dark Bronze
S4	4 foot 5/8" stem	NLT[6]	nLight® dimming pack. Specify 120V or 277V	90CRI[7]	High CRI (90+)	DBL	Matte Black	DBLB	Textured Black
S6	6 foot 5/8" stem	NLTAIR2[6]	nLight® AIR enabled			DWH	Gloss White	DWHG	Textured White
S8	8 foot 5/8" stem					DMB	Matte Medium Bronze	DBNH	Textured Bronze
S10	10 foot 5/8" stem					DNA	Gloss Natural Aluminum	DNAT	Textured Natural Aluminum
S12	12 foot 5/8" stem					DSS	Gloss Sandstone	DSST	Textured Sandstone
						DGC	Gloss Charcoal Grey	DSPD	Textured Dark Grey
						DTG	Gloss Tennis Green	DSPE	Textured Green
						DBR	Gloss Bright Red	DSPH	Textured Light Red
						DSB	Gloss Steel Blue	DWHAMF	Gloss White with Anti-microbial finish**

(See ** on Page 3)

Programming Option Table

Programming Option	Mounting Height to Module Face	Mounting Height to Fixture Aperture
D108	Minimum 9' AFF to 9' 5" AFF	Minimum 8' 9" AFF to 9' 2" AFF
D114	Minimum 9' 6" AFF to 9'-11" AFF	Minimum 9' 3" AFF to 9'-8" AFF
D120	Minimum 10' AFF to 10' 5" AFF	Minimum 9'-9" AFF to 10'-2" AFF
D126	Minimum 10'-6" AFF to 10'-11" AFF	Minimum 10'-3" AFF to 10'-8" AFF
D132	Minimum 11' AFF and above	Minimum 10'-9" AFF and above

AFF: Above Finished Floor

ACCESSORIES — order as separate catalog numbers (shipped separately)

GCOLORS KIT	Architectural colors chip kit, consisting of powder-coat and plated finishes
CYLJBOXADPT 4SQ2OCT __	4in. Square J-box to 4in. Octagonal J-box adaptor. Replace __ with Architectural Color or PRM for primed ready for field painting

ORDERING NOTES

1. Visible light of UV222H & UV222VL versions only suitable for dimming. See Tech-240 for list of compatible dimmers. Driver options and dimming not available for UV222 module only version.
2. Not for use with UV222VL Visible Light only version.
3. Color Temperature/Nominal Lumen Values available for UV222H & UV222VL versions only.
4. Not available with nLight® options.
5. 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).
6. Modules must be field installed in a remote location with access for servicing. Not available for the UV222 only option.
7. Not available for UV222 module only version.
8. For details on RAL and Custom colors please see Architectural colors.

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SPECIFICATIONS

UV Disinfection*,**

Care222® UV disinfection technology inactivates pathogens[1] by utilizing 222nm wavelengths to disrupt the DNA and RNA genetic material in the pathogen which prevents it from reproducing.
Care222 technology operates continually and meets exposure guidelines for occupied space established by the American Conference of Governmental Industrial Hygienists (ACGIH®)[2]. Occupants can be present in the space, during treatment, when installed and used in accordance with written instructions.

UV Lamp Module Source

Care222 mercury-free far-UVC excimer lamp. Emits a soft violet glow from 1.75" x 2.38" [44.5mm x 60.3mm] opening when powered.

UV Filter

Patented short pass filter for narrow band 222nm emission that removes longer wavelengths that can penetrate the living tissue in skin or beyond the top layer of the cornea in the eyes.

UV Wavelength

Emitted Wavelength Range is 200nm ~ 230nm with Peak Wavelength at 222nm far-UVC.

UV Lamp Module Run Time

Requires no external controls or startup commissioning. UV lamp module will operate on 12-minute cycles for a duration of between 10 and 50 seconds each cycle. The duration will depend on the specific dose chosen to meet the application design requirements.
UV lamp rated for 3000 hours (approximately 5 years of life based on activated hours).[3]

Optical Assembly

Optical design is a Bounding Ray™ design with 65° cutoff to source and source image. (Cutoff does not apply to UV222 module only version).
Top down flash characteristic for superior glare control.
Medium Wide 1.0 S:MH distribution standard.

Electrical

The luminaire operates from a 50 or 60 Hz ±3 Hz AC line over a voltage ranging from 120 VAC to 277 VAC.
Power factor > 0.9%.
Requires unswitched leg for UVC module. Single circuit; not intended for use with wall switches. Connect to an unswitched circuit intended for 24/7/365 continuous operation.

Controls

Luminaire can be equipped with interface for nLight® wired or nLight AIR® networks with integral power supply.
nLight® modules are not integral to the fixture, and are shipped as remote add-ons.

Dimming

The luminaire is 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 perform within the recommended operating areas for flicker as a function of frequency and modulation (%) outlined in IEEE Standard 1789-2015 (IEEE Recommended Practices for Modulating Current in High-Brightness LEDs for Mitigating Health Risks to Viewers), in typical operating conditions at representative dimming levels.
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 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.
Optional field configurable conduit covers available. Conduit covers match cylinder in finish and diameter.
WARNING: All pendant fixtures exposed to wind require tethering – contact factory.

Listings

UL listed and certified to meet US standards for LED luminaires and germicidal equipment for use in occupied spaces.
Meets California ozone emissions limits. California Air Resources Board (CARB) certified. Damp location listed.

Disclaimer

*All references to "disinfection" are referring generally to bioburden reduction and are not intended to refer to any specific definition of the term as may be used for other purposes by the U.S. Food and Drug Administration or the U.S. Environmental Protection Agency. Bioburden reduction is a function of fixture run time and the distance to the UV light source, airflow, room size, shadow areas and/or other factors, and the level of reduction will vary within a specific space. These fixtures are not intended for use in the cure, mitigation or prevention of disease and are not certified or approved for use as or for the disinfection of medical devices by the FDA. It is the obligation of the end-user to consult with appropriately qualified Professional Engineers, a Certified Infection Control professional and a Certified Industrial Hygienist, as applicable, to determine whether these fixtures meet the applicable requirements for system performance, code compliance, safety (including safety and hazard alerting signs), suitability and effectiveness for use in a particular application design.

**Antimicrobial properties are built in to inhibit the growth of bacteria that may affect this product. The antimicrobial properties do not protect users or others against bacteria, viruses, germs or other pathogens.

For sale only in the United States of America and Mexico. Not registered as a pesticide device.

1. Reference pages 5-7 of this document under Projected Virus Inactivation and Projected Bacteria Inactivation.
2. ACGIH® 2021 TLVs® and BEIs® - Based on the Documentation of the Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices; when installed and used in accordance with written instructions.
3. Average rated life based on industry standard measurements and not a performance claim specific to any individual product.

Registration
EPA Est. No.: 97727-IN-1

Precautionary Statements
- Emitters used in this fixture are in the EXEMPT RISK GROUP for photobiological risk, as described in IEC 62471, when correctly commissioned and properly installed in accordance with written instructions.
  - See Installation Instructions for proper usage guidelines and warnings regarding risks resulting from misuse.
- See below for information about potential limited photodegradation of materials.
- This fixture may generate ozone. Each emitter in the fixture has an ozone emission maximum concentration of 0.001 ppm over an 8-hour period, as tested in accordance with UL 867. Precautions that can be taken, if needed, to ensure that ozone concentration stays within applicable permissible exposure limits are described in the Installation Instructions.

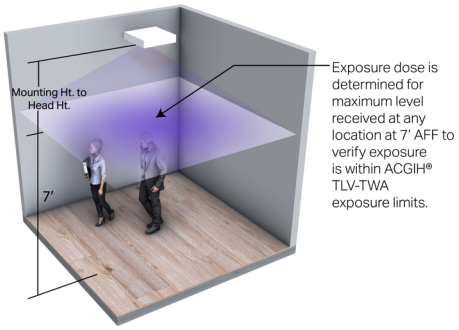
Buy American Act
This product is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. Please refer to www.acuitybrands.com/buy-american for additional information.

Photometrics
LEDs tested to LM-80 standards in an accredited lab. Measured in accordance with LM-79-08 IESNA standard. Extrapolated life calculated per IESNA TM-21-21. 70% Lumen maintenance at 60,000 hours.
Color variation <2.5-step MacAdam ellipse (2.5SDCM).

Warranty
2-year limited warranty for Hybrid (H) and UV Module only versions. Complete warranty terms located under Acuity Brands UV Lighting: www.acuitybrands.com/support/warranty/terms-and-conditions. The UV Module only version is an ultraviolet (UV) based device that is not serviceable. The Hybrid (H) version contains an embedded UV based device that is not separable from the fixture and is also not serviceable. Therefore, if this fixture experiences a failure due to a defect in material or workmanship after the warranty period has expired or the fixture reaches the end of its useful life then, if continued operation is desired, a new fixture must be purchased.
5-year limited warranty for Visible Light (VL) only version. Complete warranty terms located under Acuity Brands Lighting LED Commercial Indoor: www.acuitybrands.com/support/warranty/terms-and-conditions. These are the only warranties provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed.

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.

Projected UV Exposure and Exposure Limits

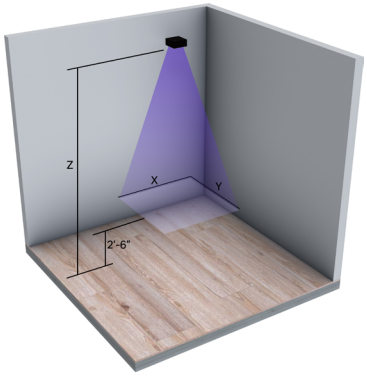


This chart illustrates mounting height configurations for the EVO6 fixture, incorporating Care222® technology, that provide a UV exposure dose within the exposure guidelines[1] established and published by the American Conference of Governmental Industrial Hygienists (ACGIH®). For the UV exposure dose to remain within the ACGIH guidelines for the level of UV exposure a typical worker can be exposed to without adverse health effects, the maximum exposure dose must not exceed 23 mJ/cm² (millijoules per square centimeter) for an 8-hour period of time. Per the UL 8802 standard, the upper limit of occupied space is defined to be a test plane 7' Above Finished Floor (AFF). This calculated maximum exposure dose represents the dose an individual would receive over an 8-hour period at 7' Above Finished Floor (AFF) even if stationary in the location of maximum dose.
The levels of exposure in the ACGIH guidelines are quantified as Threshold Limit Values (TLVs®) and are expressed as Time-Weighted Averages (TWAs). The TLVs for incoherent ultraviolet (UV) radiation are established for wavelengths between 180 and 400 nm and represent conditions under which it is believed that nearly all healthy workers may be repeatedly exposed without acute adverse health effects such as erythema and photokeratitis. ACGIH guidelines are designed for use by industrial hygienists in making decisions regarding safe levels of exposure to hazards in the workplace.

1. ACGIH® 2021 TLVs® and BEIs® - Based on the Documentation of the Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices; when installed and used in accordance with written instructions.

Distance			Maximum 8 Hr. Dose	Meets ACGIH® TLV-TWA
Mounting Height to Module Face	Mounting Height to Fixture Aperture	Mounting Height to Head Height	mJ/cm²	<23 mJ/cm²
9'	8'-9"	2'	22.41	Yes
9'-6"	9'-3"	2'-6"	22.78	Yes
10'	9'-9"	3'	21.77	Yes
10'-6"	10'-3"	3'-6"	21.82	Yes
11'	10'-9"	4'	20.4	Yes
12'	11'-9"	5'	12.72	Yes

Projected Virus and Bacteria Inactivation



Use this chart to estimate the effectiveness of one EVO6 fixture, mounted at various mounting heights (Z) and having different areas of coverage (X x Y), at inactivating the pathogens listed below on surfaces. The calculated average dose for each scenario is determined from Visual® lighting application software radiometric modeling[1] and is then correlated with laboratory research[2] to derive predicted inactivation effectiveness for specific pathogens. The analysis assumes that a horizontal plane positioned 2'-6" Above Finished Floor (AFF) is receiving the dose. For different areas of coverage or multiple fixture layouts, consult an Acuity Brands UV Lighting Specialist.

1. The results presented here are based upon a 12'x12'x15' high empty room with all surface reflectance assumed to be 5%.
2. Reference **Pathogen Inactivation Dose Reference List** - 222nm, 254nm & Pulsed Xenon UV Light Sources.
3. As a result of computational limitations and simplifying modeling assumptions in Visual, variations in actual product performance from tested product samples, and/or variations in field conditions from laboratory testing conditions, the accuracy of calculated output values identifying radiometric quantities and any resulting derived radiation dose predictions may be adversely affected. See complete disclaimer at **VISUAL LIGHTING DISCLAIMER**

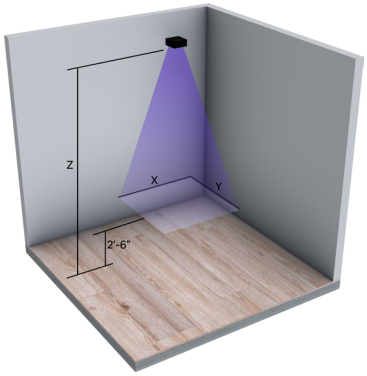
4'x4' Area (X x Y)			Calculated Average Dose[3]	Surface Pathogen Inactivation[2]								
Programming Option	Mounting Height to Module Face	Mounting Height to Fixture Aperture	mJ/cm²	Feline Calicivirus			Influenza			SARS-CoV-2		
				% in 24 Hours	Hrs to 90%	Hrs to 99.9%	% in 24 Hours	Hrs to 90%	Hrs to 99.9%	% in 24 Hours	Hrs to 90%	Hrs to 99.9%
D108	9'	8'-9"	4.5 mJ/cm² over 24 hr	80.3 %	34.1 hr	102.2 hr	99.4 %	10.7 hr	32.0 hr	>99.9 %	6.4 hr	19.2 hr
D114	9.6'	9'-3"	6.6 mJ/cm² over 24 hr	90.8 %	23.2 hr	69.6 hr	>99.9 %	7.3 hr	21.8 hr	>99.9 %	4.4 hr	13.1 hr
D120	10'	9'-9"	8.2 mJ/cm² over 24 hr	94.8 %	18.7 hr	56.1 hr	>99.9 %	5.9 hr	17.6 hr	>99.9 %	3.5 hr	10.5 hr
D126	10'.6"	10'-3"	10.2 mJ/cm² over 24 hr	97.5 %	15.0 hr	45.0 hr	>99.9 %	4.7 hr	14.1 hr	>99.9 %	2.8 hr	8.5 hr
D132	11'	10'-9"	11.4 mJ/cm² over 24 hr	98.3 %	13.5 hr	40.4 hr	>99.9 %	4.2 hr	12.7 hr	>99.9 %	2.5 hr	7.6 hr
D132	12'	11'-9"	9.3 mJ/cm² over 24 hr	96.4 %	16.6 hr	49.7 hr	>99.9 %	5.2 hr	15.6 hr	>99.9 %	3.1 hr	9.3 hr

4'x4' Area (X x Y)			Calculated Average Dose[3]	Surface Pathogen Inactivation[2]								
Programming Option	Mounting Height to Module Face	Mounting Height to Fixture Aperture	mJ/cm²	MRSA			Salmonella			E. coli		
				% in 24 Hours	Hrs to 90%	Hrs to 99.9%	% in 24 Hours	Hrs to 90%	Hrs to 99.9%	% in 24 Hours	Hrs to 90%	Hrs to 99.9%
D108	9'	8'-9"	4.5 mJ/cm² over 24 hr	90.5 %	23.5 hr	70.5 hr	97.3 %	15.3 hr	45.8 hr	99.4 %	10.7 hr	32.0 hr
D114	9.6'	9'-3"	6.6 mJ/cm² over 24 hr	96.8 %	16.0 hr	48.0 hr	99.5 %	10.4 hr	31.2 hr	>99.9 %	7.3 hr	21.8 hr
D120	10'	9'-9"	8.2 mJ/cm² over 24 hr	98.6 %	12.9 hr	38.7 hr	99.9 %	8.4 hr	25.1 hr	>99.9 %	5.9 hr	17.6 hr
D126	10'.6"	10'-3"	10.2 mJ/cm² over 24 hr	99.5 %	10.3 hr	31.0 hr	>99.9 %	6.7 hr	20.2 hr	>99.9 %	4.7 hr	14.1 hr
D132	11'	10'-9"	11.4 mJ/cm² over 24 hr	99.7 %	9.3 hr	27.9 hr	>99.9 %	6.0 hr	18.1 hr	>99.9 %	4.2 hr	12.7 hr
D132	12'	11'-9"	9.3 mJ/cm² over 24 hr	99.2 %	11.4 hr	34.3 hr	>99.9 %	7.4 hr	22.3 hr	>99.9 %	5.2 hr	15.6 hr

6'x6' Area (X x Y)			Calculated Average Dose[3]	Surface Pathogen Inactivation[2]								
Programming Option	Mounting Height to Module Face	Mounting Height to Fixture Aperture	mJ/cm²	Feline Calicivirus			Influenza			SARS-CoV-2		
				% in 24 Hours	Hrs to 90%	Hrs to 99.9%	% in 24 Hours	Hrs to 90%	Hrs to 99.9%	% in 24 Hours	Hrs to 90%	Hrs to 99.9%
D108	9'	8'-9"	3.5 mJ/cm² over 24 hr	71.4 %	44.2 hr	132.5 hr	98.2 %	13.8 hr	41.5 hr	99.9 %	8.3 hr	24.9 hr
D114	9.6'	9'-3"	5.3 mJ/cm² over 24 hr	85.2 %	28.9 hr	86.8 hr	99.8 %	9.1 hr	27.2 hr	>99.9 %	5.4 hr	16.3 hr
D120	10'	9'-9"	6.8 mJ/cm² over 24 hr	91.4 %	22.6 hr	67.7 hr	>99.9 %	7.1 hr	21.2 hr	>99.9 %	4.2 hr	12.7 hr
D126	10'.6"	10'-3"	8.7 mJ/cm² over 24 hr	95.6 %	17.6 hr	52.9 hr	>99.9 %	5.5 hr	16.6 hr	>99.9 %	3.3 hr	9.9 hr
D132	11'	10'-9"	9.9 mJ/cm² over 24 hr	97.2 %	15.5 hr	46.5 hr	>99.9 %	4.8 hr	14.5 hr	>99.9 %	2.9 hr	8.7 hr
D132	12'	11'-9"	8.3 mJ/cm² over 24 hr	95.0 %	18.5 hr	55.4 hr	>99.9 %	5.8 hr	17.3 hr	>99.9 %	3.5 hr	10.4 hr

6'x6' Area (X x Y)			Calculated Average Dose[3]	Surface Pathogen Inactivation[2]								
Programming Option	Mounting Height to Module Face	Mounting Height to Fixture Aperture	mJ/cm²	MRSA			Salmonella			E. coli		
				% in 24 Hours	Hrs to 90%	Hrs to 99.9%	% in 24 Hours	Hrs to 90%	Hrs to 99.9%	% in 24 Hours	Hrs to 90%	Hrs to 99.9%
D108	9'	8'-9"	3.5 mJ/cm² over 24 hr	83.7 %	30.5 hr	91.4 hr	93.9 %	19.8 hr	59.4 hr	98.2 %	13.8 hr	41.5 hr
D114	9.6'	9'-3"	5.3 mJ/cm² over 24 hr	93.7 %	19.9 hr	59.8 hr	98.6 %	13.0 hr	38.9 hr	99.8 %	9.1 hr	27.2 hr
D120	10'	9'-9"	6.8 mJ/cm² over 24 hr	97.1 %	15.6 hr	46.7 hr	99.6 %	10.1 hr	30.4 hr	>99.9 %	7.1 hr	21.2 hr
D126	10'.6"	10'-3"	8.7 mJ/cm² over 24 hr	98.9 %	12.2 hr	36.5 hr	>99.9 %	7.9 hr	23.7 hr	>99.9 %	5.5 hr	16.6 hr
D132	11'	10'-9"	9.9 mJ/cm² over 24 hr	99.4 %	10.7 hr	32.0 hr	>99.9 %	6.9 hr	20.8 hr	>99.9 %	4.9 hr	14.6 hr
D132	12'	11'-9"	8.3 mJ/cm² over 24 hr	98.7 %	12.7 hr	38.2 hr	99.9 %	8.3 hr	24.8 hr	>99.9 %	5.8 hr	17.4 hr

Projected Virus and Bacteria Inactivation



Use this chart to estimate the effectiveness of one EVO6 fixture, mounted at various mounting heights (Z) and having different areas of coverage (X x Y), at inactivating the pathogens listed below on surfaces. The calculated average dose for each scenario is determined from Visual® lighting application software radiometric modeling[1] and is then correlated with laboratory research[2] to derive predicted inactivation effectiveness for specific pathogens. The analysis assumes that a horizontal plane positioned 2'-6" Above Finished Floor (AFF) is receiving the dose. For different areas of coverage or multiple fixture layouts, consult an Acuity Brands UV Lighting Specialist.

1. The results presented here are based upon a 12'x12'x15' high empty room with all surface reflectance assumed to be 5%.
2. Reference Pathogen Inactivation Dose Reference List - 222nm, 254nm & Pulsed Xenon UV Light Sources.
3. As a result of computational limitations and simplifying modeling assumptions in Visual, variations in actual product performance from tested product samples, and/or variations in field conditions from laboratory testing conditions, the accuracy of calculated output values identifying radiometric quantities and any resulting derived radiation dose predictions may be adversely affected. See complete disclaimer at VISUAL LIGHTING DISCLAIMER

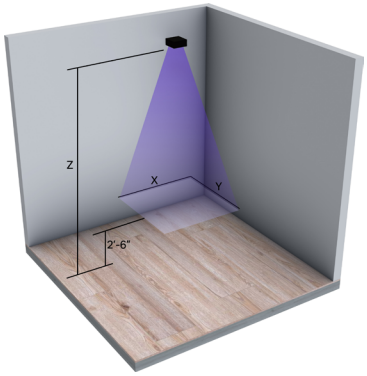
8'x8' Area (X x Y)			Calculated Average Dose[3]	Surface Pathogen Inactivation[2]								
Programming Option	Mounting Height to Module Face	Mounting Height to Fixture Aperture	mJ/cm²	Feline Calicivirus			Influenza			SARS-CoV-2		
				% in 24 Hours	Hrs to 90%	Hrs to 99.9%	% in 24 Hours	Hrs to 90%	Hrs to 99.9%	% in 24 Hours	Hrs to 90%	Hrs to 99.9%
D108	9'	8'-9"	2.4 mJ/cm² over 24 hr	58.5 %	62.8 hr	188.5 hr	94.0 %	19.7 hr	59.0 hr	99.1 %	11.8 hr	35.4 hr
D114	9.6'	9'-3"	3.9 mJ/cm² over 24 hr	75.4 %	39.4 hr	118.2 hr	98.9 %	12.3 hr	37.0 hr	>99.9 %	7.4 hr	22.2 hr
D120	10'	9'-9"	5.2 mJ/cm² over 24 hr	84.5 %	29.7 hr	89.0 hr	99.7 %	9.3 hr	27.9 hr	>99.9 %	5.6 hr	16.7 hr
D126	10'.6"	10'-3"	6.9 mJ/cm² over 24 hr	91.5 %	22.4 hr	67.1 hr	>99.9 %	7.0 hr	21.0 hr	>99.9 %	4.2 hr	12.6 hr
D132	11'	10'-9"	8.0 mJ/cm² over 24 hr	94.4 %	19.1 hr	57.3 hr	>99.9 %	6.0 hr	18.0 hr	>99.9 %	3.6 hr	10.8 hr
D132	12'	11'-9"	7.1 mJ/cm² over 24 hr	92.1 %	21.7 hr	65.2 hr	>99.9 %	6.8 hr	20.4 hr	>99.9 %	4.1 hr	12.3 hr

8'x8' Area (X x Y)			Calculated Average Dose[3]	Surface Pathogen Inactivation[2]								
Programming Option	Mounting Height to Module Face	Mounting Height to Fixture Aperture	mJ/cm²	MRSA			Salmonella			E. coli		
				% in 24 Hours	Hrs to 90%	Hrs to 99.9%	% in 24 Hours	Hrs to 90%	Hrs to 99.9%	% in 24 Hours	Hrs to 90%	Hrs to 99.9%
D108	9'	8'-9"	2.4 mJ/cm² over 24 hr	72.1 %	43.3 hr	130.0 hr	85.9 %	28.2 hr	84.5 hr	94.0 %	19.7 hr	59.1 hr
D114	9.6'	9'-3"	3.9 mJ/cm² over 24 hr	86.9 %	27.2 hr	81.5 hr	95.6 %	17.7 hr	53.0 hr	98.9 %	12.4 hr	37.1 hr
D120	10'	9'-9"	5.2 mJ/cm² over 24 hr	93.3 %	20.4 hr	61.3 hr	98.4 %	13.3 hr	39.9 hr	99.7 %	9.3 hr	27.9 hr
D126	10'.6"	10'-3"	6.9 mJ/cm² over 24 hr	97.2 %	15.4 hr	46.3 hr	99.6 %	10.0 hr	30.1 hr	>99.9 %	7.0 hr	21.0 hr
D132	11'	10'-9"	8.0 mJ/cm² over 24 hr	98.5 %	13.2 hr	39.5 hr	99.8 %	8.6 hr	25.7 hr	>99.9 %	6.0 hr	18.0 hr
D132	12'	11'-9"	7.1 mJ/cm² over 24 hr	97.5 %	15.0 hr	45.0 hr	99.7 %	9.7 hr	29.2 hr	>99.9 %	6.8 hr	20.4 hr

10'x10' Area (X x Y)			Calculated Average Dose[3]	Surface Pathogen Inactivation[2]								
Programming Option	Mounting Height to Module Face	Mounting Height to Fixture Aperture	mJ/cm²	Feline Calicivirus			Influenza			SARS-CoV-2		
				% in 24 Hours	Hrs to 90%	Hrs to 99.9%	% in 24 Hours	Hrs to 90%	Hrs to 99.9%	% in 24 Hours	Hrs to 90%	Hrs to 99.9%
D108	9'	8'-9"	1.7 mJ/cm² over 24 hr	45.2 %	91.8 hr	275.4 hr	85.4 %	28.7 hr	86.2 hr	95.9 %	17.2 hr	51.7 hr
D114	9.6'	9'-3"	2.7 mJ/cm² over 24 hr	62.8 %	55.9 hr	167.8 hr	95.7 %	17.5 hr	52.6 hr	99.5 %	10.5 hr	31.5 hr
D120	10'	9'-9"	3.8 mJ/cm² over 24 hr	74.1 %	40.9 hr	122.6 hr	98.7 %	12.8 hr	38.4 hr	>99.9 %	7.7 hr	23.0 hr
D126	10'.6"	10'-3"	5.1 mJ/cm² over 24 hr	84.2 %	30.0 hr	90.0 hr	99.7 %	9.4 hr	28.2 hr	>99.9 %	5.6 hr	16.9 hr
D132	11'	10'-9"	6.2 mJ/cm² over 24 hr	89.1 %	24.9 hr	74.7 hr	>99.9 %	7.8 hr	23.4 hr	>99.9 %	4.7 hr	14.0 hr
D132	12'	11'-9"	5.7 mJ/cm² over 24 hr	87.1 %	27.0 hr	81.0 hr	99.9 %	8.5 hr	25.4 hr	>99.9 %	5.1 hr	15.2 hr

10'x10' Area (X x Y)			Calculated Average Dose[3]	Surface Pathogen Inactivation[2]								
Programming Option	Mounting Height to Module Face	Mounting Height to Fixture Aperture	mJ/cm²	MRSA			Salmonella			E. coli		
				% in 24 Hours	Hrs to 90%	Hrs to 99.9%	% in 24 Hours	Hrs to 90%	Hrs to 99.9%	% in 24 Hours	Hrs to 90%	Hrs to 99.9%
D108	9'	8'-9"	1.7 mJ/cm² over 24 hr	58.2 %	63.3 hr	189.9 hr	73.9 %	41.2 hr	123.5 hr	85.4 %	28.8 hr	86.3 hr
D114	9.6'	9'-3"	2.7 mJ/cm² over 24 hr	76.1 %	38.6 hr	115.7 hr	89.0 %	25.1 hr	75.2 hr	95.7 %	17.5 hr	52.6 hr
D120	10'	9'-9"	3.8 mJ/cm² over 24 hr	85.9 %	28.2 hr	84.6 hr	95.1 %	18.3 hr	55.0 hr	98.7 %	12.8 hr	38.4 hr
D126	10'.6"	10'-3"	5.1 mJ/cm² over 24 hr	93.1 %	20.7 hr	62.1 hr	98.4 %	13.4 hr	40.3 hr	99.7 %	9.4 hr	28.2 hr
D132	11'	10'-9"	6.2 mJ/cm² over 24 hr	96.0 %	17.2 hr	51.5 hr	99.3 %	11.2 hr	33.5 hr	>99.9 %	7.8 hr	23.4 hr
D132	12'	11'-9"	5.7 mJ/cm² over 24 hr	94.9 %	18.6 hr	55.8 hr	99.0 %	12.1 hr	36.3 hr	99.9 %	8.5 hr	25.4 hr

Projected Virus and Bacteria Inactivation



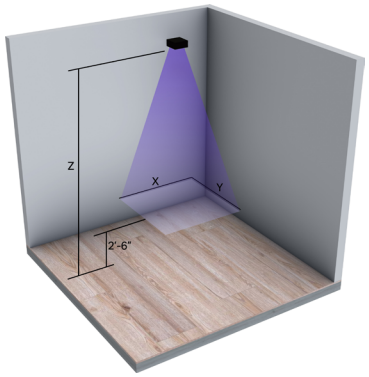
Use this chart to estimate the effectiveness of one EVO6 fixture, mounted at various mounting heights (Z) and having different areas of coverage (X x Y), at inactivating the pathogens listed below on surfaces. The calculated average dose for each scenario is determined from Visual® lighting application software radiometric modeling[1] and is then correlated with laboratory research[2] to derive predicted inactivation effectiveness for specific pathogens. The analysis assumes that a horizontal plane positioned 2'-6" Above Finished Floor (AFF) is receiving the dose. For different areas of coverage or multiple fixture layouts, consult an Acuity Brands UV Lighting Specialist.

1. The results presented here are based upon a 12'x12'x15' high empty room with all surface reflectance assumed to be 5%.
2. Reference Pathogen Inactivation Dose Reference List - 222nm, 254nm & Pulsed Xenon UV Light Sources.
3. As a result of computational limitations and simplifying modeling assumptions in Visual, variations in actual product performance from tested product samples, and/or variations in field conditions from laboratory testing conditions, the accuracy of calculated output values identifying radiometric quantities and any resulting derived radiation dose predictions may be adversely affected. See complete disclaimer at VISUAL LIGHTING DISCLAIMER

12'x12' Area (X x Y)			Calculated Average Dose[3]	Surface Pathogen Inactivation[2]								
				Feline Calicivirus			Influenza			SARS-CoV-2		
Programming Option	Mounting Height to Module Face	Mounting Height to Fixture Aperture	mJ/cm²	% in 24 Hours	Hrs to 90%	Hrs to 99.9%	% in 24 Hours	Hrs to 90%	Hrs to 99.9%	% in 24 Hours	Hrs to 90%	Hrs to 99.9%
D108	9'	8'-9"	1.2 mJ/cm² over 24 hr	34.6 %	129.9 hr	389.7 hr	74.3 %	40.7 hr	122.0 hr	89.6 %	24.4 hr	73.2 hr
D114	9.6'	9'-3"	2.0 mJ/cm² over 24 hr	50.7 %	78.2 hr	234.6 hr	89.5 %	24.5 hr	73.5 hr	97.7 %	14.7 hr	44.1 hr
D120	10'	9'-9"	2.7 mJ/cm² over 24 hr	62.5 %	56.4 hr	169.1 hr	95.6 %	17.6 hr	52.9 hr	99.5 %	10.6 hr	31.8 hr
D126	10'.6"	10'-3"	3.8 mJ/cm² over 24 hr	74.2 %	40.8 hr	122.3 hr	98.7 %	12.8 hr	38.3 hr	>99.9 %	7.7 hr	23.0 hr
D132	11'	10'-9"	4.6 mJ/cm² over 24 hr	81.1 %	33.2 hr	99.5 hr	99.5 %	10.4 hr	31.2 hr	>99.9 %	6.2 hr	18.7 hr
D132	12'	11'-9"	4.4 mJ/cm² over 24 hr	79.8 %	34.5 hr	103.6 hr	99.4 %	10.8 hr	32.4 hr	>99.9 %	6.5 hr	19.5 hr

12'x12' Area (X x Y)			Calculated Average Dose[3]	Surface Pathogen Inactivation[2]								
				MRSA			Salmonella			E. coli		
Programming Option	Mounting Height to Module Face	Mounting Height to Fixture Aperture	mJ/cm²	% in 24 Hours	Hrs to 90%	Hrs to 99.9%	% in 24 Hours	Hrs to 90%	Hrs to 99.9%	% in 24 Hours	Hrs to 90%	Hrs to 99.9%
D108	9'	8'-9"	1.2 mJ/cm² over 24 hr	46.0 %	89.6 hr	268.8 hr	61.3 %	58.2 hr	174.7 hr	74.3 %	40.7 hr	122.2 hr
D114	9.6'	9'-3"	2.0 mJ/cm² over 24 hr	64.1 %	53.9 hr	161.8 hr	79.3 %	35.1 hr	105.2 hr	89.5 %	24.5 hr	73.5 hr
D120	10'	9'-9"	2.7 mJ/cm² over 24 hr	75.9 %	38.9 hr	116.6 hr	88.8 %	25.3 hr	75.8 hr	95.6 %	17.7 hr	53.0 hr
D126	10'.6"	10'-3"	3.8 mJ/cm² over 24 hr	86.0 %	28.1 hr	84.3 hr	95.1 %	18.3 hr	54.8 hr	98.7 %	12.8 hr	38.3 hr
D132	11'	10'-9"	4.6 mJ/cm² over 24 hr	91.1 %	22.9 hr	68.6 hr	97.6 %	14.9 hr	44.6 hr	99.5 %	10.4 hr	31.2 hr
D132	12'	11'-9"	4.4 mJ/cm² over 24 hr	90.2 %	23.8 hr	71.4 hr	97.2 %	15.5 hr	46.4 hr	99.4 %	10.8 hr	32.5 hr

Projected Photodegradation Effect



Use the chart (below left) to estimate the photodegradation effect on surfaces from one EVO6 fixture, mounted at various mounting heights (Z) and having different areas of coverage (X x Y)[1]. The calculated average dose[2] for each scenario is determined from Visual® lighting application software radiometric modeling and is then correlated with independent laboratory photodegradation testing[3]. The analysis assumes that a horizontal plane positioned 2'-6" Above Finished Floor (AFF) is receiving the dose. Note that the calculated doses as presented are average values on the designated calculation plane. Calculated doses at specific points may be higher or lower than the average value. To estimate the photodegradation effect for different areas of coverage, at specific points, or multiple fixture layouts, consult an Acuity Brands UV Lighting Specialist.

1. The results presented here are based upon a 12'x12'x15' high empty room with all surface reflectance assumed to be 5%.
2. As a result of computational limitations and simplifying modeling assumptions in Visual, variations in actual product performance from tested product samples, and/or variations in field conditions from laboratory testing conditions, the accuracy of calculated output values identifying radiometric quantities and any resulting derived radiation dose predictions may be adversely affected. See complete disclaimer at **VISUAL LIGHTING DISCLAIMER**
3. Independent laboratory photodegradation testing performed by Assured Testing Services, Ridgeway, PA, Test Report 28545, August 12, 2020.

4'x4' Area (X x Y)			Calculated Avg. 24hr Dose[2]	Years to Dose of 54,000 mJ/cm²*
Programming Option	Mounting Height to Module Face	Mounting Height to Fixture Aperture	mJ/cm²	
D108	9'	8'-9"	4.5	32.9
D114	9'-6"	9'-3"	6.6	22.4
D120	10'	9'-9"	8.2	18.0
D126	10'-6"	10'-3"	10.2	14.5
D132	11'	10'-9"	11.4	13.0
D132	12'	11'-9"	9.3	15.9

6' x 6' Area (X x Y)			Calculated Avg. 24hr Dose[2]	Years to Dose of 54,000 mJ/cm²*
Programming Option	Mounting Height to Module Face	Mounting Height to Fixture Aperture	mJ/cm²	
D108	9'	8'-9"	3.5	42.3
D114	9'-6"	9'-3"	5.3	27.9
D120	10'	9'-9"	6.8	21.8
D126	10'-6"	10'-3"	8.7	17.0
D132	11'	10'-9"	9.9	14.9
D132	12'	11'-9"	8.3	17.8

8' x 8' Area (X x Y)			Calculated Avg. 24hr Dose[2]	Years to Dose of 54,000 mJ/cm²*
Programming Option	Mounting Height to Module Face	Mounting Height to Fixture Aperture	mJ/cm²	
D108	9'	8'-9"	2.4	61.6
D114	9'-6"	9'-3"	3.9	37.9
D120	10'	9'-9"	5.2	28.5
D126	10'-6"	10'-3"	6.9	21.4
D132	11'	10'-9"	8	18.5
D132	12'	11'-9"	7.1	20.8

10' x 10' Area			Calculated Avg. 24hr Dose[2]	Years to Dose of 54,000 mJ/cm²*
Programming Option	Mounting Height to Module Face	Mounting Height to Fixture Aperture	mJ/cm²	
D108	9'	8'-9"	1.7	87.0
D114	9'-6"	9'-3"	2.7	54.8
D120	10'	9'-9"	3.8	38.9
D126	10'-6"	10'-3"	5.1	29.0
D132	11'	10'-9"	6.2	23.9
D132	12'	11'-9"	5.7	26.0

12' x 12' Area			Calculated Avg. 24hr Dose[2]	Years to Dose of 54,000 mJ/cm²*
Programming Option	Mounting Height to Module Face	Mounting Height to Fixture Aperture	mJ/cm²	
D108	9'	8'-9"	1.2	123.3
D114	9'-6"	9'-3"	2	74.0
D120	10'	9'-9"	2.7	54.8
D126	10'-6"	10'-3"	3.8	38.9
D132	11'	10'-9"	4.6	32.2
D132	12'	11'-9"	4.4	33.6

Photodegradation Testing Results[3]

		Photodegradation Effect at Dose of 54,000 mJ/cm² *		
Material	Before UV Exposure	After UV Exposure	Average Δ E**	Average Δ - Durometer Hardness***
Polyvinyl chloride (PVC)			27.27	3
Polypropylene			3.86	-1
Polyethylene			5.50	0
Polytetrafluoroethylene (PTFE)			1.02	0
Clear polymethyl methacrylate			2.50	3
White polymethyl methacrylate			9.08	-3
Polyoxymethylene			4.47	5
Polycarbonate			6.89	-3
Acrylonitrile butadiene styrene (ABS)			0.90	0
Polyester			1.13	-1
Nylon			6.77	-4

PROJECTED PHOTODEGRADATION EFFECT (CONTINUED)
Photodegredation Testing Results[3]

Material	Photodegradation Effect at Dose of 54,000 mJ/cm² *			
	Before UV Exposure	After UV Exposure	Average Δ E**	Average Δ - Durometer Hardness***
Cotton			2.12	N/A
Wool			2.73	N/A
Pine/Fir			7.79	1
Oak			8.73	-14
Poplar			11.65	-7
Low grade paper (copy paper)			4.15	N/A
Rag paper (stationary writing paper)			7.44	N/A
Oil paint on paper			1.47	N/A
Watercolors on rag paper			3.12	N/A
Window glass			0.11	N/A
Vinyl flooring			2.13	-2
Wall paper			3.83	N/A
Newsprint Color			8.13	N/A
Barcode paper label			1.34	N/A

Independent Lab Test Results[3] for Determining Photodegradation Effect for Far-UVC Filtered 222nm technology (Care222®)

* The independent test lab results compared materials at an initial state of no UV exposure and a final state of UV exposure at 54,000 mJ/cm².

** ΔE is a benchmark used to measure color difference compared to a known set of CIELAB color coordinates defined by the International Commission on Illumination (CIE). The Photodegradation Testing Results table presents data calculated by the CIE76 formula, ΔE*ab. CIE76 is a formula that relates a measured color difference to a known set of CIELAB coordinates. ΔE*ab ~ 2.3 equates to a Just Noticeable Difference

*** Durometer Hardness is a benchmark of material hardness, as measured by a Shore Durometer device. The Photodegradation Testing Results table presents the difference in measured material hardness over the exposure dose. For the majority of the materials tested there was no or only a very small change in Durometer Hardness. Unvarnished Oak and Poplar showed some change in Durometer Hardness.

Comparing Far-UVC Filtered 222nm Disinfection Technology (Care222®) Photodegradation Effect to General Illumination Photodegradation Effect

To compare photodegradation caused by UV to photodegradation caused by general illumination, which also causes a photodegradation effect, a Just Noticeable Difference (ΔE*ab ~ 2.3) in a space illuminated by a white light source to an illuminance of 50 fc would occur as soon as 6 months for highly sensitive materials and as long as 30 years for minimally sensitive materials.* There is recognizable photodegradation of materials caused by almost all light sources including incandescent, fluorescent, halogen, metal halide, LED, and UV. While some UV sources, depending on spectral content and intensity, can cause substantial photodegradation, the information presented in the Photodegradation Testing Results table illustrates specifically the generally minimal photodegradation effect of far-UVC filtered 222nm technology (Care222) when utilizing these products in typical application.

* ANSI/IES RP-30-20 Recommended Practice: Lighting Museums, Table C-2

3. Independent laboratory photodegradation testing performed by Assured Testing Services, Ridgeway, PA, Test Report 28545, August 12, 2020.

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

*Changeable through DALI controller

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	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 P12
LITHONIA
Sandstone

DSST P90
TEXTURED
Sandstone

DBR P34
LITHONIA
Bright Red

DSPH P80
TEXTURED
Light Red

DMB P11
LITHONIA
Medium Bronze

DBNH P74
TEXTURED
Bronze

DTG P33
LITHONIA
Tennis Green

DSPE P78
TEXTURED
Green

DSB P49
LITHONIA
Steel Blue

DNA P07
LITHONIA
Natural Aluminum

DNAT P89
TEXTURED
Natural Aluminum

DGC P32
LITHONIA
Charcoal Gray

DSPD P77
TEXTURED
Dark Grey

DDB P50
LITHONIA
Dark Bronze

DDBT P88
TEXTURED
Dark Bronze

DBL P13
LITHONIA
Black

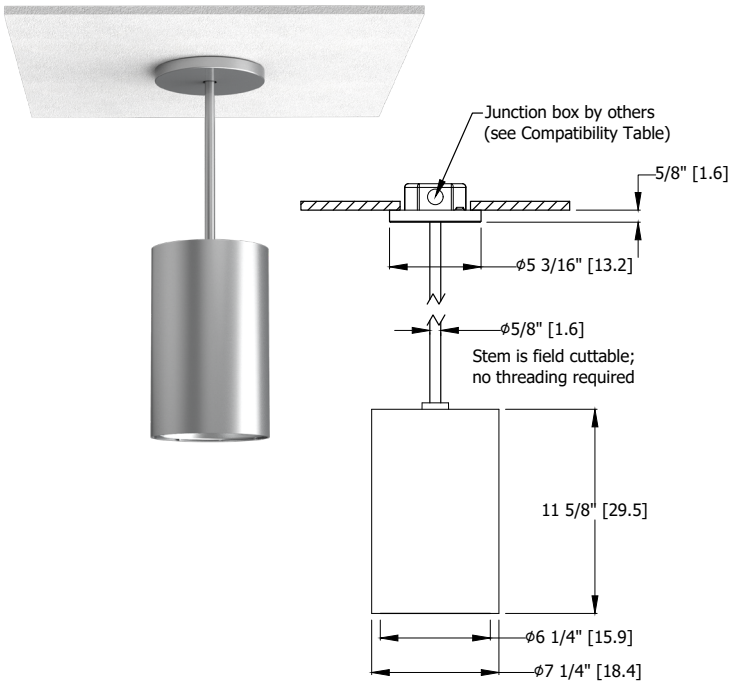
DWH P21
LITHONIA
White

DWHG P86
TEXTURED
White

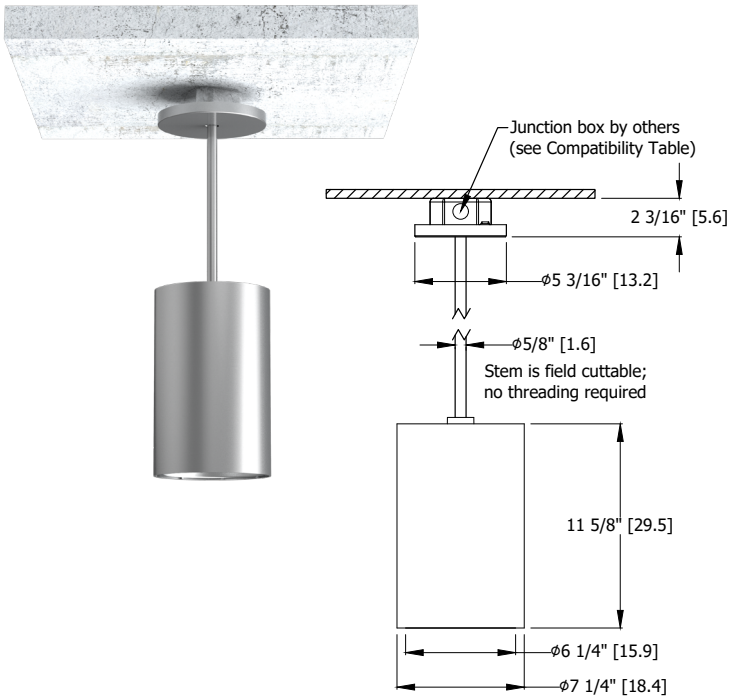
NOTE: These colors were carefully reproduced to give as true a depiction as possible of finished product color. Some colors, however, may vary slightly from actual appearance due to display/printing variations and limitations. Please order the GCOLORS KIT listed in the 'Accessories' section of the spec sheet for an accurate paint chip sample.

DIMENSIONAL DATA

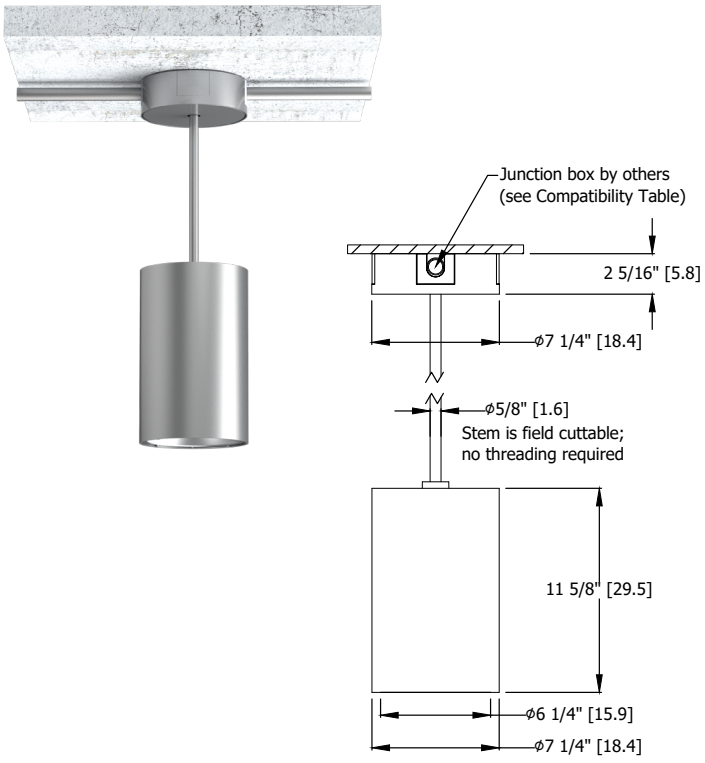
JBX Recessed J-Box



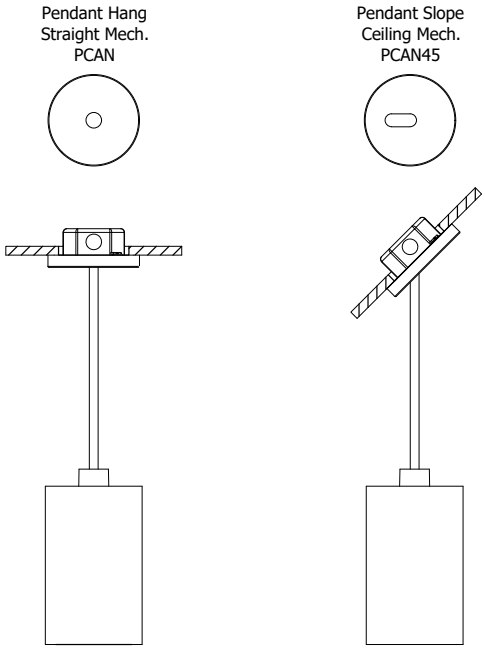
JBX Surface J-Box



JBXCC Surface J-Box with Conduit Covers

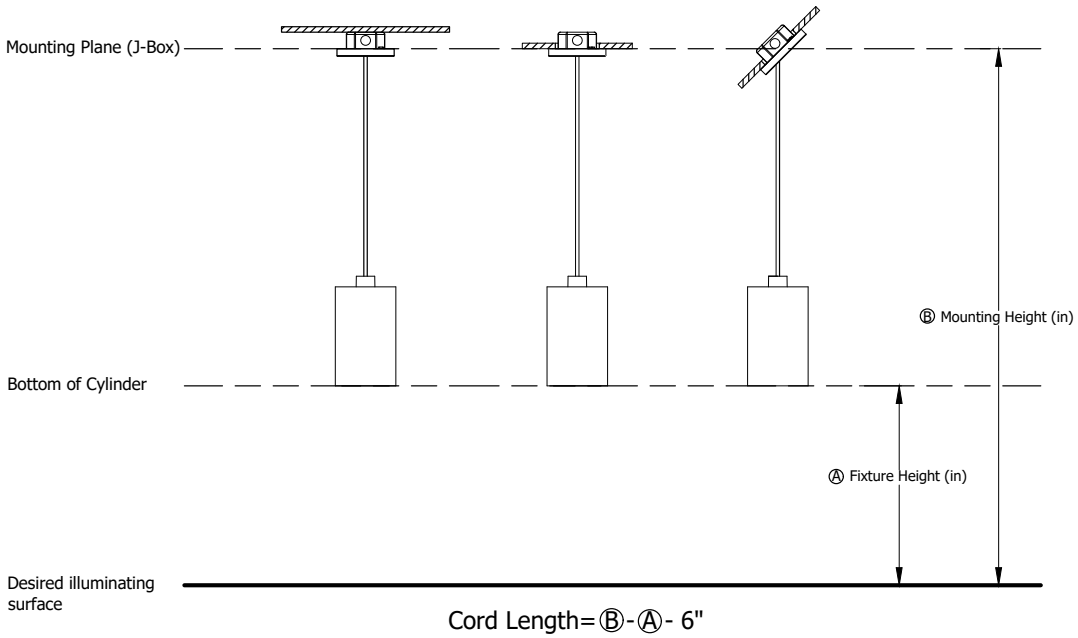


Canopy Type: PCAN vs PCAN45



*Dimensions in inches [centimeters]

Stem Cutting Formulas for JBX

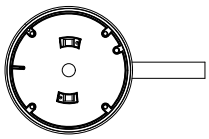


Cord Length= Ⓑ - Ⓐ - 6"

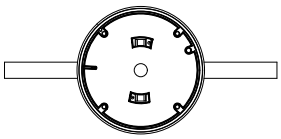
Conduit Feed Examples and Keys

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

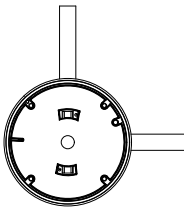
Blank Key
(4) provided with each



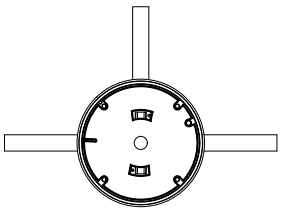
Single Conduit Feed



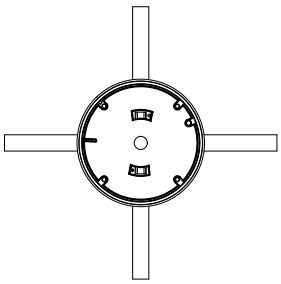
Double 180° conduit



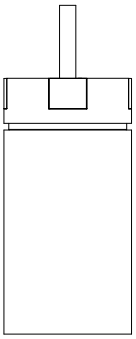
Double 90° conduit



Triple 0°, 90° & 180° conduit



Quad 0°, 90°, 180°, & 270° conduit

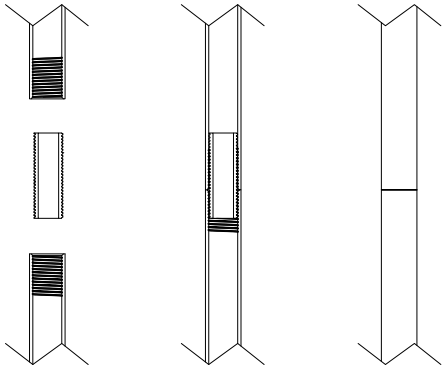


Top conduit feed

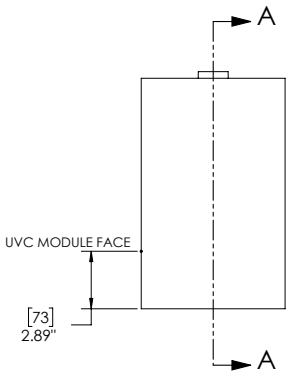
*Dimensions in inches

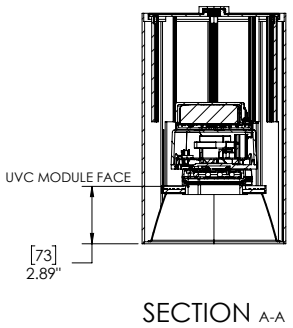
DIMENSIONAL DATA

Stem Connection Method



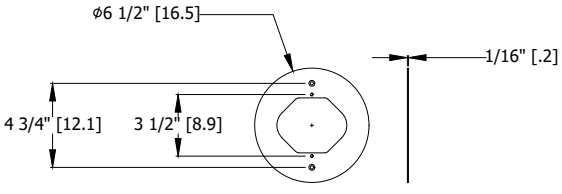
Module Regression in Trim



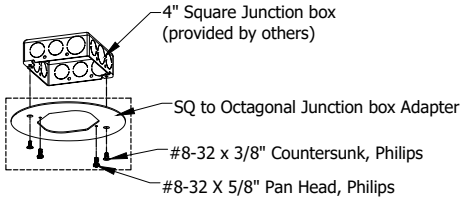


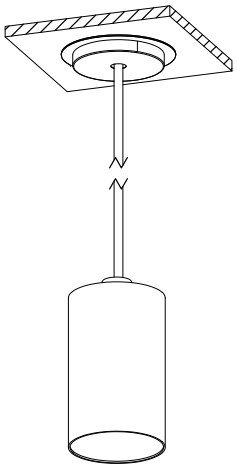
SECTION A-A

Cylinder Adaptor Plate



Includes 2 mounting screws

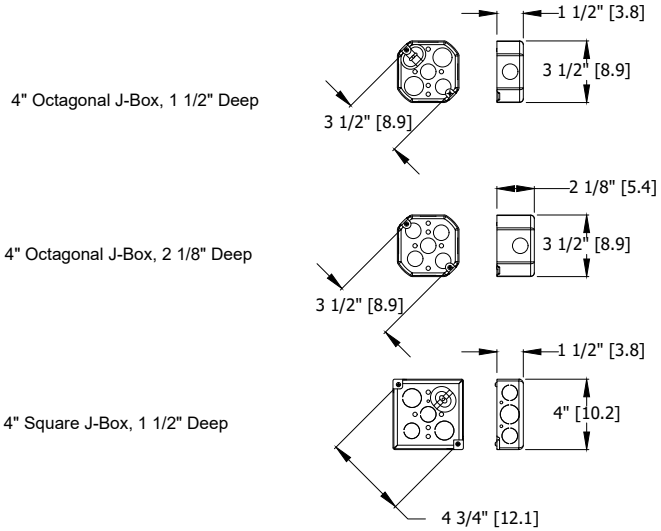




*Dimensions in inches [centimeters]

DIMENSIONAL DATA

Junction Box Dimensions (by others)

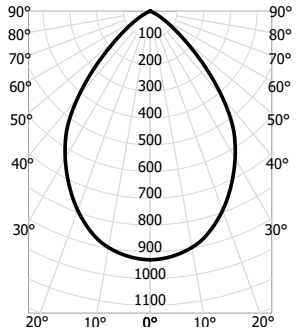


Dimensions in inches [centimeters]

Photometry

PHOTOMETRY: VISIBLE LIGHT ONLY

EVO6PC UV222VL 35/15 AR LSS INPUT WATT: 17.03; DELIVERED LUMENS: 1311; LPW = 77; 1.05 S/MH; TEST NO: 21-351P85



CP Summary	
	0°
0°	930
5°	921
15°	855
25°	718
35°	544
45°	282
55°	92
65°	10
75°	1
85°	0
90°	0

Zonal Lumen Summary		
Zone	Lumens	% Fixture
0° - 30°	657	50%
0° - 40°	991	76%
0° - 60°	1294	99%
0° - 90°	1311	100%
90° - 180°	0	0%
0° - 180°	1311	100%

Cone of Light		
Mounting Height	Initial FC Center Beam	Beam Diameter
6.0 ft	25.8 fc	9.5 ft
8.0 ft	14.5 fc	12.6 ft
10.0 ft	9.3 fc	15.8 ft
12.0 ft	6.5 fc	18.9 ft
14.0 ft	4.7 fc	22.1 ft

Beam Angle: 76.5°
Field Angle: 109.8°

Luminance (cd/sq.m)	
	Average Luminance
0°	47139
45°	20239
55°	8107
65°	1209
75°	221
85°	146

Lumen Output Multiplier		
CRI	CCT	Multiplier
80	2700K	0.96
	3000K	1.00
	3500K	1.00
	4000K	1.01
90	2700K	0.80
	3000K	0.83
	3500K	0.85
	4000K	0.87

Reflector Finish Multiplier	
Reflector Finish	Multiplier
LS - Specular	1
LSS - Semi Specular	0.956
LD - Matte Diffuse	0.85

Distributions	
Beam Angle	Field Angle
77	110

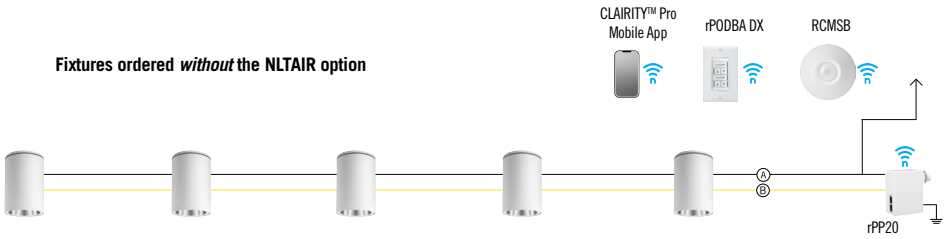
AcuityBrands.

NLIGHT AIR

Possibilites for nLight® AIR

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.

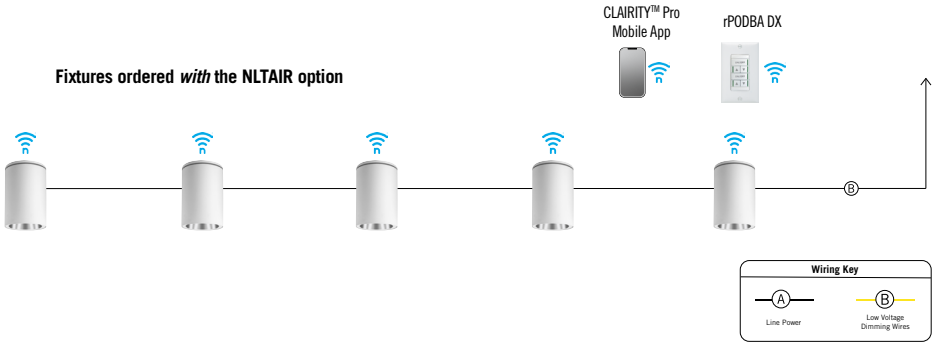
Fixtures ordered *without* the NLTAIR option



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

Fixtures ordered *with* the NLTAIR option



nLight® AIR Control Accessories *(cont.)*

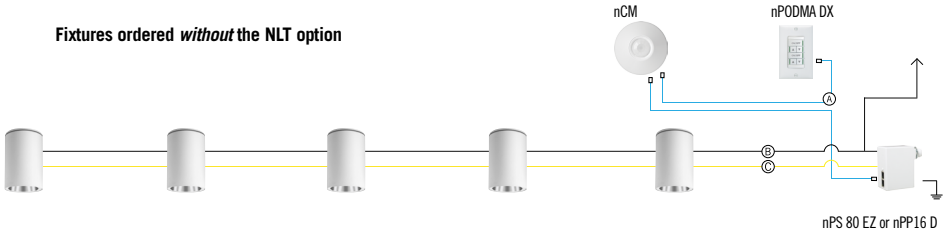
Occupancy Sensors (PIR/dual tech)	Model Number
Small motion 360°, ceiling	rCMS 9 / rCMS PDT 9
Large motion 360°, ceiling	rCMS 10 / rCMS PDT 10

NLIGHT

Possibilites for nLight® Wired

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.

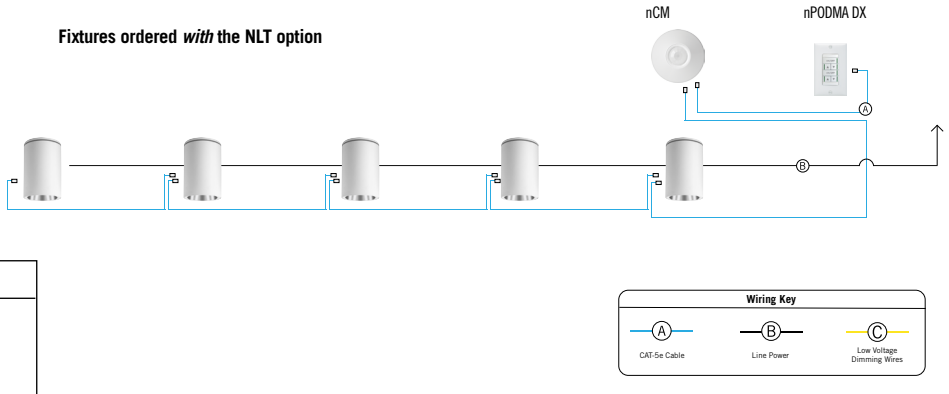
Fixtures ordered *without* the NLT option



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

Fixtures ordered *with* the NLT option



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