

Vantage® LED

LED High Bay



Dimensions: Inches (millimeters) unless otherwise noted.

Diameter: 20.65 (524.51)
Height: 16.67 (423.42)
Weight: 36 lbs. (16.3 kg)

Catalog Number	
Notes	Type

Description

The Vantage LED luminaire exceeds rigorous demands of food-processing plants and related areas, thanks to its strategic sloped shape and ultra-sleek corrosion-resistant finish that repels water and lacks spaces for food, dirt or debris to hide.

Optics

- Prismatic acrylic or polycarbonate optic directs light where needed and reduces harsh glare.
- Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate. [Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.](#)
- Certain airborne contaminants may adversely affect the functioning of LEDs and other electronic components, depending on various factors such as concentrations of the contaminants, ventilation, and temperature at the end-user location. [Click here for a list of substances that may not be suitable for interaction with LEDs and other electronic components.](#)
- Medium distribution with optional uplight reflector.
- Wide distribution with optional uplight reflector.
- Highly engineered LED system ensures superior uniformity and maximizes spacing.

Electrical

- 0–10V dimming driver is standard (must specify the DM option to enable dimming).
- Optional robust driver solution designed to assist with power
- quality and drop neutral conditions. XVOLT option supports
- 277–480V; 6kV surge rated.
- 70 CRI, 80 CRI, 90 CRI available
- 3000K, 4000K or 5000K CCT available.
- Fault-tolerant LED light engine continues to provide light even in the failure of one LED.
- Aluminum core printed circuit board.
- Luminaire Surge Protection Level: Designed to withstand up to 10kV/5kA per ANSI C82.77-5-2015, for the standard offering.
- Luminaire Surge Protection Level: Designed to withstand up to 6kV/3kA per ANSI C82.77-5-2015, standard in products with sensors.
- Optional 20kA surge available.

Mechanical

- Robust cast aluminum housing with low copper content (0.6% CU content) withstands harsh or hostile environments.
- Pendant mount standard.
- UL Listed Ambient Temperature Ratings – see page 5.
- Standard fixture color is white.

Listings

- UL Listed to 1598 standard for use in wet locations.
- UL844 listed: Class II Division 2, Groups F and G when ordered with HAZ option.
- IP65, IP66, IP67 rated. IP69K rated (1500psi hosedown).
- NSF Splash Zone 2 listed.
- IK rated (see chart on page 7).
- DesignLights Consortium® (DLC) Premium qualified product. Not all versions of this product may be DLC Premium qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

Warranty

5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/support/customer-support/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. Specifications subject to change without notice.

Typical Applications




- Food & beverage processing
- Poultry & meat processing
- Beverage processing
- Chemical facilities
- Pharmaceutical plants
- Pet-food production

Embed nLight controls today. Prepare for tomorrow.

Now

-  User-friendly install
-  Enhanced energy savings
-  Code compliance

Tomorrow

-  Scalability
-  Space configuration
-  Future-ready

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® or XPoint™ Wireless control networks marked by a **shaded background***

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

*See ordering tree for details



A+ Capable options indicated by this color background.

ORDERING INFORMATION
Example: VL 18000LM ACL MD MVOLT GZ10 40K 80CRI

Series	Lumens ‡	Lens	Distribution	Voltage	Driver	Color temperature	CRI
VL	12000LM 12,000 lumens	ACL Acrylic Lens	MD Medium	MVOLT Auto Sensing (120-277V)	GZ10 0-10V dimming	30K 3000K CCT	70CRI 70 CRI
	15000LM 15,000 lumens	PCL Polycarbonate Lens	MDU Medium with uplight reflector	HVOLT Auto Sensing (347 - 480V) ‡		40K 4000K CCT	80CRI 80 CRI
	18000LM 18,000 lumens		WD Wide	XVOLT Auto Sensing ((277-480)) ‡		50K 5000K CCT	90CRI 90 CRI
	24000LM 24,000 lumens		WDU Wide with uplight reflector	120 120V			
	28000LM 28,000 lumens			208 208V			
	32000LM 32,000 lumens			240 240V			
				277 277V			
				277X 277V utilizing XVOLT driver ‡			
				347 347V ‡			
				347X 347V utilizing XVOLT driver ‡			
				480 480V ‡			
				480X 480V utilizing XVOLT driver ‡			

Options			
Cordsets: ‡		Controls: ‡	
SCDPW-L5-15-X	Side entry 120V cord and Daniel Woodhead watertite plug (includes PF-646)	SC-X Safety chain X inches long	Individual Controls:
SCDPW-L6-15-X	Side entry 208V/240V cord and Daniel Woodhead watertite plug (includes PF-646)	SCSS-X Stainless Steel Safety Chain X inches long	MSE6NWL 360° motion sensor embedded, high bay 15–45 ft., on/off, IP66 rated
SCDPW-L7-15-X	Side entry 277V cord and Daniel Woodhead watertite plug (includes PF-646)	SPAS20K 20kA surge protection 120-277	MSE6L3VWL 360° motion sensor embedded, high bay 15-45 ft., on/off with second time-out period, goes to a dimmed state before turning off max./min. Dim setting, IP66 rated ‡
SCDPAM-L5-15-X	Side entry 120V antimicrobial cord and Daniel Woodhead watertite plug (includes PF-646)	SPAS20KH 20kA surge protection 347-480V	MSE10NWL 360° motion sensor embedded, low bay 15–25 ft., on/off, IP66 rated
SCDPAM-L6-15-X	Side entry 208V/240V antimicrobial cord and Daniel Woodhead watertite plug (includes PF-646)	DM 0–10V pendant mount dimming ‡	MSE10L3VWL 360° motion sensor embedded, low bay 15-25 ft., on/off with second time-out period, goes to a dimmed state before turning off max./min. Dim setting, IP66 rated ‡
SCDPAM-L7-15-X	Side entry 277V antimicrobial cord and Daniel Woodhead watertite plug (includes PF-646)	TR Remote housing ‡	Xpoint Wireless:
SCDW-X	Side entry white cord and hook, no plug (includes PF-646)	FE10WCP EM Self-diagnostics battery pack, 10W, Certified in CA Title 20 MAEDBS ‡	MSE6XAWL DSCXAWL XPoint wireless enabled with photocell & occupancy sensor, high bay 15-45 ft ‡
SCDK-X	Side entry black cord and hook, no plug (includes PF-646)	HAZ Hazardous location rated ‡	MSE10XAWL DSCXAWL XPoint wireless enabled with photocell & occupancy sensor, low bay 15-25 ft ‡
SCDY-X	Side entry yellow cord and hook, no plug (includes PF-646)	ETS ETS Emergency control device ‡ LINK	XAD XPoint™ Wireless 0-10V relay, internal, lower max ambient ‡
SCDAM-X	Side entry antimicrobial cord and hook, no plug (includes PF-646)		XAD924 XPoint™ Wireless 0-10V relay, internal, lower max ambient (UL924 compliant) ‡
SCDWM-X	Side entry, 5 conductor white cord with dimming and hook, no plug (includes PF-646)		Bluetooth: ‡
SDKB-X	Black side entry 4-conductor cord with un-switched line, no plug (for use with FE10WCP) (includes PF-646)		SBGR6BTP 360° High Mount Occ Sensor, pre-wired; Bluetooth®
			SBGR6BTP HL 360° High Mount Occ Sensor w/HL Default, pre-wired; Bluetooth®
			SBGR6BTP ADC 360° High Mount Occ Sensor w/ADC Default, pre-wired; Bluetooth®
			SBGR10BTP 360° Low Mount Occ Sensor, pre-wired; Bluetooth®
			SBGR10BTP HL 360° Low Mount Occ Sensor w/HL Default, pre-wired; Bluetooth®
			SBGR10BTP ADC 360° Low Mount Occ Sensor w/ADC Default, pre-wired; Bluetooth®
			nLight Wireless: ‡
			NLTAIR2 RSBG6 nLight AIR generation 2 enabled 360° high mount motion sensor
			NLTAIR2 RSBG10 Light AIR generation 2 enabled 360°low mount motion sensor
			NLTAIR2 RIO nLight AIR (wireless) gen 2 control device (dimming & switching)

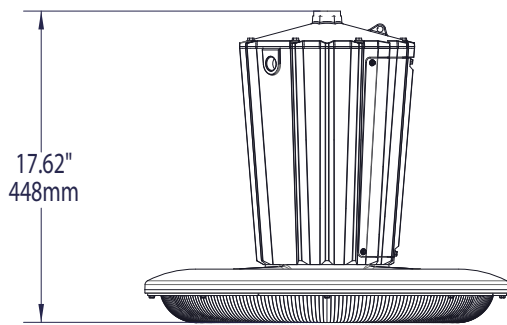
Accessories: Order as separate catalog number.	
CDCW-L5-15-3	120V white cord and Daniel Woodhead watertite connector (wet locations)
CDCW-L6-15-3	208/240V white cord and Daniel Woodhead watertite connector (wet locations)
CDCW-L7-15-3	277V white cord and Daniel Woodhead watertite connector (wet locations)

NOTE: ‡ indicates option chosen has ordering restrictions. Please reference ordering restrictions chart, page 3. Options are sorted alphanumerically.

For Option Value Ordering Restrictions, see page 3.

+ Option Value Ordering Restrictions	
Option value	Ordering restriction
277X	Not available with Bluetooth sensors, X-point, or nLight wireless options.
347	Not available with FE10WCP.
347X	Not available with FE10WCP, bluetooth sensors, x-point, or nLight wireless options.
480	Not available with FE10WCP.
480X	Not available with FE10WCP, bluetooth sensors, X-point, or nLight wireless options.
Bluetooth	Not available with XAD, XVOLT, 277X, 347X or 480X options.
Controls	IP66 rated and NSF certified. Choose one sensor only.
Cord sets	Voltage must be specified with any cord that includes a plug (not available MVOLT or HVOLT). X signifies feet of cord (3-6 ft is standard).
DM	Available with pendant mount only. Not available with Xpoint, MSEXXXX, or cord options.
ETS	Not available with cord or battery pack option. Available with nLight wireless sensor options, not available with any other control options.
FE10WCP	This utilizes a Fulham battery pack . Not available with HVOLT, 347V, 480V, XVOLT, 347X or 480X, X-point or Bluetooth sensor options. For use in ambient temperatures up to 35°C on 12000-28000LM or 30°C on 32000LM lumen packages. Order SDKB-X when cord is required with unswitched circuit.
HAZ	Not available with batteries, cords, or remote. Rigid Pipe mounting only.
HVOLT	Not available with X-Point or FE10WCP.
Lumens	Nominal lumens, see IES file for delivered lumens. See temperature chart on page 4 for complete ratings.
MSE102L3VWL	Not available with XAD or DM option.
MSE10XAWL DSCXAWL	Not available with XAD, HVOLT, or DM option. Not available with 347 or 480 when ordering 28000LM or 32000LM.
MSE62L3VWL	Not available with XAD or DM option.
MSE6XAWL DSCXAWL	Not available with XAD, HVOLT, or DM option. Not available with 347 or 480 when ordering 28000LM or 32000LM.
nLight Wireless	Not available with 12000LM. Not available with XVOLT, 277X, 347X, or 480X. When ER option is required, add ER to end of nomenclature. EX: NLTAIR2 RSBG6 ER ER version ships standard with ETS.
TR	Not available with FE10WCP or control options.
XAD	Not available with DM, HVOLT. Not available with 347 or 480 when ordering 28L-32L.
XAD924	Not available with DM, HVOLT. Not available with 347 or 480 when ordering 28L-32L.
XVOLT	Not available with Bluetooth sensors, FE10WCP, X-point, or nLight wireless options.

DIMENSIONAL DATA

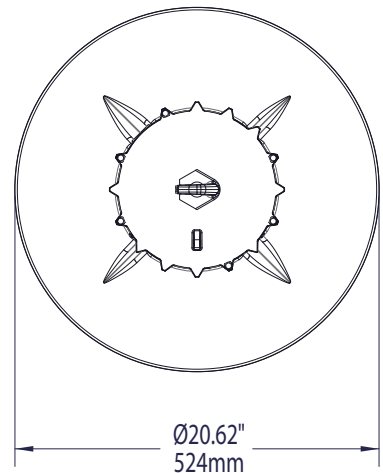
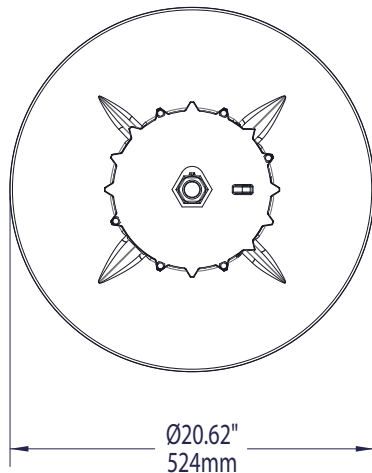


Pendant

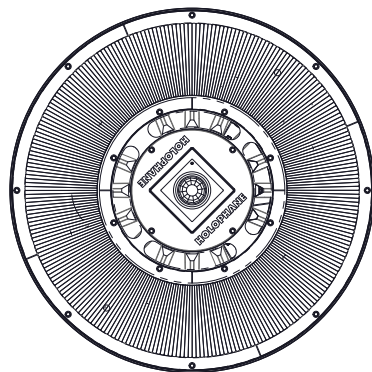


Gasketed Hook

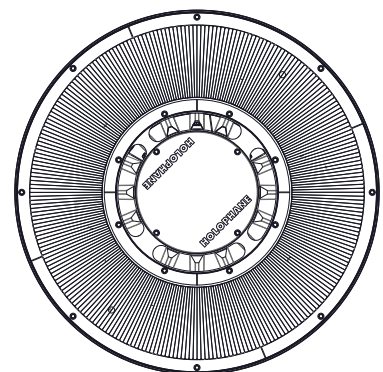
Top View



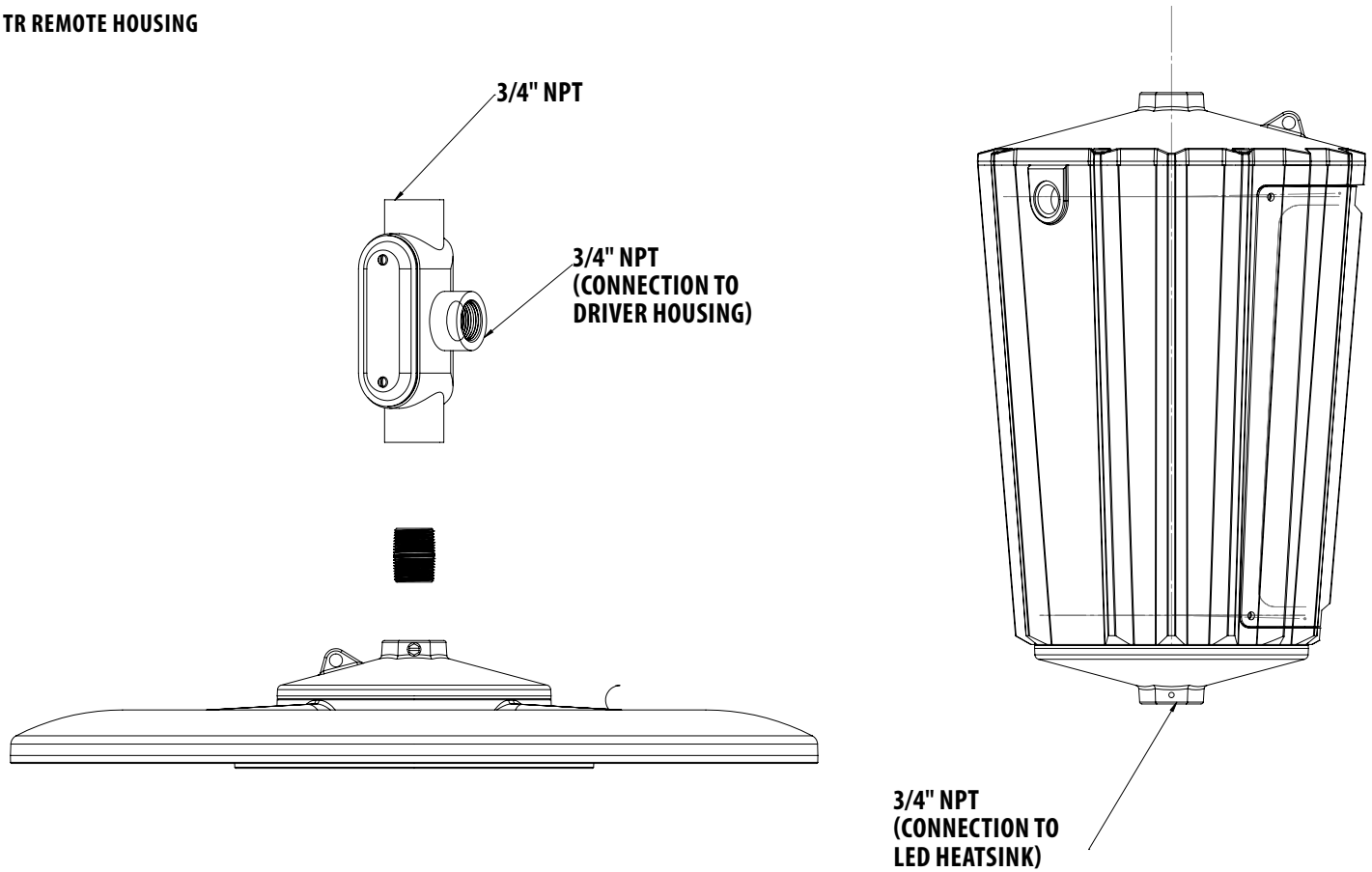
Bottom View



with Motion Sensor option



TR REMOTE HOUSING



OPERATIONAL DATA

Operating Characteristics ^{1,2}

Package	Distribution	Delivered Lumens 4000K CCT, 70 CRI @25°C ¹	Delivered Lumens 5000K CCT, 70 CRI @25°C ¹	Delivered Lumens 4000K CCT, 80CRI @25°C ¹	Delivered Lumens 5000K CCT, 80CRI @25°C ¹	Wattage @ 120V
VL12L	MD MDU WD WDU	12,727 12,411 12,745 12,292	12,814 12,496 12,832 12,376	11,942 11,645 11,959 11,534	12,553 12,241 12,571 12,124	82
VL15L	MD MDU WD WDU	15,463 15,079 15,486 14,935	15,569 15,182 15,592 15,037	14,510 14,150 14,531 14,014	15,252 14,873 15,273 14,730	105
VL18L	MD MDU WD WDU	19,102 18,627 19,129 18,449	19,233 18,754 19,260 18,575	17,924 17,479 17,950 17,312	18,840 18,372 18,867 18,196	128
VL24L	MD MDU WD WDU	24,346 23,741 24,381 23,514	24,513 23,904 24,548 23,675	22,846 22,278 22,878 22,065	24,013 23,416 24,047 23,192	180
VL28L	MD MDU WD WDU	31,040 30,269 31,085 29,979	31,970 31,175 32,015 30,877	28,252 27,550 28,293 27,287	28,624 27,912 28,665 27,646	221
VL32L	MD MDU WD WDU	36,631 35,721 36,684 35,379	37,728 36,790 37,782 36,439	33,341 32,512 33,389 32,201	33,780 32,940 33,828 32,625	260

Projected Lumen Maintenance (TM-21)³

Package	Max and Min Temperature	0 Hours	15,000 Hours	30,000 Hours	45,000 Hours	60,000 Hours	100,000 Hours
VL 12L	25C 55C	1.0 1.0	0.97 0.96	0.95 0.93	0.93 0.91	0.91 0.88	0.86 0.82
VL 15L	25C 55C	1.0 1.0	0.97 0.96	0.95 0.93	0.93 0.91	0.91 0.88	0.86 0.82
VL 18L	25C 55C	1.0 1.0	0.97 0.95	0.95 0.92	0.93 0.89	0.91 0.86	0.86 0.79
VL 24L	25C 55C	1.0 1.0	0.97 0.95	0.95 0.92	0.93 0.89	0.91 0.86	0.86 0.79
VL 28L	25C 45C	1.0 1.0	0.97 0.95	0.96 0.95	0.95 0.94	0.94 0.93	0.92 0.91
VL 32L	25C 45C	1.0 1.0	0.97 0.96	0.96 0.95	0.95 0.94	0.94 0.93	0.92 0.90

Notes
¹ Absolute photometry calculated in accordance with IESNA LM-79-08. See IES files for other configurations.

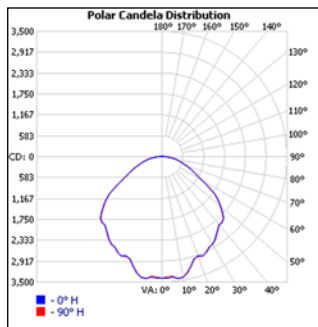
² See ordering tree

³ Calculated using data collected according to LM-80 and represents lumen maintenance of the LED package. Consult factory for actual TM-21 reports for your specific configuration.

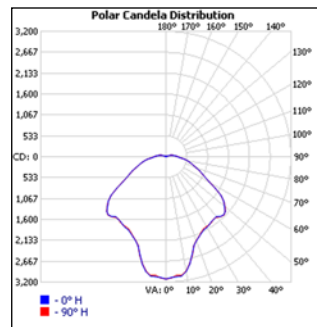
Ambient Temperature Ratings

Package	Voltage	Standard Ambient	Ambient with FE10WCP Option	Ambient with MSE6AWL DSCXAWL, MSE10AWL DSCXAWL, XAD or XAD924 Options
VL 12L	120-277	-40°F to 131°F (-40°C to 55°C)	50°F to 95°F (10°C to 35°C)	-40°F to 131°F (-40°C to 55°C)
	347 / 480			-40°F to 86°F (-40°C to 30°C)
VL 15L	120-277	-40°F to 131°F (-40°C to 55°C)	50°F to 95°F (10°C to 35°C)	-40°F to 131°F (-40°C to 55°C)
	347 / 480			-40°F to 86°F (-40°C to 30°C)
VL 18L	120-277	-40°F to 131°F (-40°C to 55°C)	50°F to 95°F (10°C to 35°C)	-40°F to 131°F (-40°C to 55°C)
	347 / 480			-40°F to 86°F (-40°C to 30°C)
VL 24L	120-277	-40°F to 131°F (-40°C to 55°C)	50°F to 95°F (10°C to 35°C)	-40°F to 131°F (-40°C to 55°C)
	347 / 480			-40°F to 86°F (-40°C to 30°C)
VL 28L	120-277	-40°F to 113°F (-40°C to 45°C)	50°F to 95°F (10°C to 35°C)	-40°F to 113°F (-40°C to 45°C)
	347 / 480			-40°F to 86°F (-40°C to 30°C)
VL 32L	120-277	-40°F to 113°F (-40°C to 45°C)	50°F to 86°F (10°C to 30°C)	-40°F to 113°F (-40°C to 45°C)
	347 / 480			-40°F to 86°F (-40°C to 30°C)

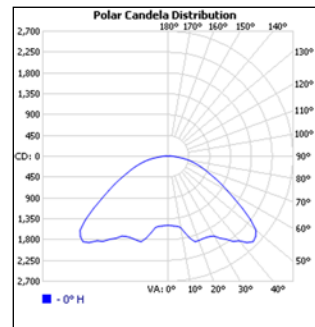
DISTRIBUTION DATA



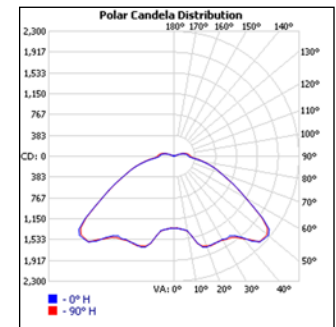
Medium



Medium with Uplight Reflector



Wide



Wide with Uplight Reflector

CONTROLS



SBGR6, SBGR6D, MSE6AWL DSCXAWL Coverage Data. XAD wireless enabled.

- Best choice for 15 to 45 ft. (4.57 to 13.72 m) mounting heights
- 15 to 20 ft. (4.57 to 6.10 m) radial coverage overlaps area lit by a typical high bay fixture
- Large motion (e.g., walking) detection up to a 35-ft. (10.76 m) mounting height
- Extra large motion (e.g., forklifts) detection up to a 45-ft. (13.72 m) mounting height

Impact Resistance (IK Ratings)

Lens Material	Rating
Acrylic	IK08
Polycarbonate	IK10

