

FEATURES & SPECIFICATIONS

INTENDED USE — Ideal one-for-one replacement of conventional lighting systems such as HID and fluorescent. For use in light Industrial applications such as, warehousing and other large indoor spaces with mounting heights ranging from 10' – permitted. **Certain airborne contaminants can diminish integrity of acrylic and LED's.** [Click here for Acrylic Environmental 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.](#)

CONSTRUCTION — Extruded aluminum channels enable superior thermal performance. Glare Control acrylic lens diffuses light source and reduces glare while protecting LEDs. Lens meets DLC 5.1 standards for UGR (Unified Glare Rating).

ELECTRICAL — 70% lumen maintenance at > 100,000 hours. Thermally protected driver standard with 0-10V dimming. Luminaire surge protection level: designed to withstand up to 6kV/3kA per ANSI C82.77-5-2015 Multi-volt driver, 120-277V standard.

INSTALLATION — Compact Pro™ package includes V-hanger hardware kit with 2- V-hanger brackets and 2- 36" chain lengths. Fixture is suitable for mounting by chain, cable, surface-mount bracket, or hook monopoint. Designed for use in ambient temperatures ranging from -40°C to 55°C when suspended 18" off ceiling. Surface mount to 45°C ambient operation.

LISTINGS — CSA listed. Damp location listed.

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/warranty/terms-and-conditions

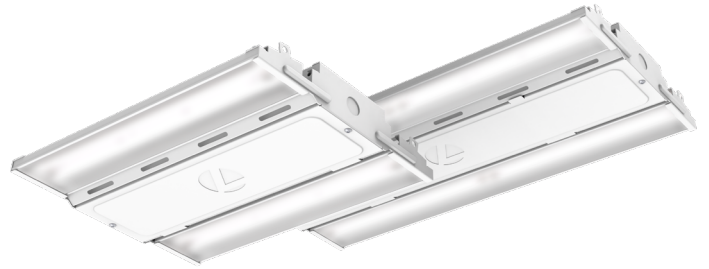
Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

Catalog Number
Notes
Type

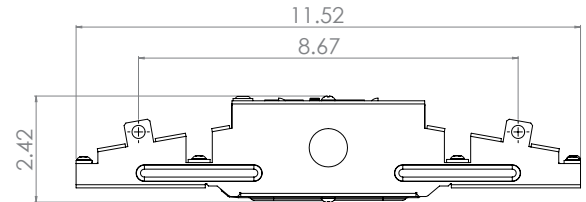
LED High Bay

COMPACT PRO™

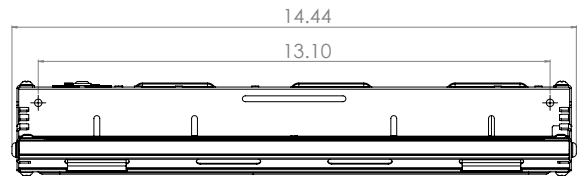
12,000 through 30,000 Lumens



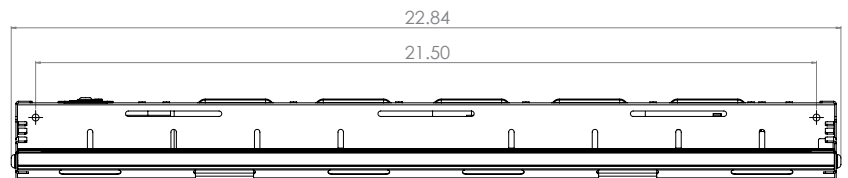
Standard Part Number	Stock Part Number	Stock Part Number CI Code	DLC Product ID	DLC Premium?
CPHB 12000LM SEF GCL MD MVOLT GZ10 40K 80CRI DWH	CPHB 12LM MVOLT 40K	*268SAH	PAMXQBT8	Yes
CPHB 12000LM SEF GCL MD MVOLT GZ10 50K 80CRI DWH	CPHB 12LM MVOLT 50K	*2681J0	P0Q23DMQ	Yes
CPHB 15000LM SEF GCL MD MVOLT GZ10 40K 80CRI DWH	CPHB 15LM MVOLT 40K	*2681J2	PLPPHUGF	Yes
CPHB 15000LM SEF GCL MD MVOLT GZ10 50K 80CRI DWH	CPHB 15LM MVOLT 50K	*2681J5	PJ97Z0F9	Yes
CPHB 18000LM SEF GCL MD MVOLT GZ10 40K 80CRI DWH	CPHB 18LM MVOLT 40K	*268SAJ	PWHG1E01	Yes
CPHB 18000LM SEF GCL MD MVOLT GZ10 50K 80CRI DWH	CPHB 18LM MVOLT 50K	*2681J9	PSRNYSS1	Yes
CPHB 24000LM SEF GCL MD MVOLT GZ10 40K 80CRI DWH	CPHB 24LM MVOLT 40K	*2681JE	PC2IBASD	Yes
CPHB 24000LM SEF GCL MD MVOLT GZ10 50K 80CRI DWH	CPHB 24LM MVOLT 50K	*2681JL	P7DUT85I	Yes
CPHB 30000LM SEF GCL MD MVOLT GZ10 40K 80CRI DWH	CPHB 30LM MVOLT 40K	*2681JM	PRXQVN2Q	Yes
CPHB 30000LM SEF GCL MD MVOLT GZ10 50K 80CRI DWH	CPHB 30LM MVOLT 50K	*2681JP	PDAUA08P	Yes



End View: CPHB 12LM, 15LM, 18LM, 24LM, 30LM



Side View: 12000LM, 15000LM, 18000LM MVOLT



Side View: 24000LM, 30000LM, 18000LM HVOLT

CPHB LED High Bay



Looking for Contractor Select readily available configurations? Click here to visit Contractor Select™ spec sheet or go to www.contractorselect.com

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: CPHB 24000LM SEF GCL MD 120 GZ10 40K 80CRI CPSBW LSXR6 HL DWH

CPHB		SEF	GCL			GZ10	
Series	Lumens	Performance Package	Lens	Distribution	Voltage	Driver	Color Temperature
CPHB Compact Pro High Bay	12000LM	12,000 lumens	SEF Standard Efficiency	GCL Glare Control Lens	MD Medium Distribution ND Narrow Distribution WD Wide Distribution	GZ10 0-10V dimming driver	40K 4000 K 50K 5000 K
	15000LM	15,000 lumens					
	18000LM	18,000 lumens					
	24000LM	24,000 lumens					
	30000LM	30,000 lumens					
					MVOLT 120-277V 120 120V 208 208V 240 240V 277 277V 347‡ 347V 480‡ 480V HVOLT‡ 347-480V		

80CRI			DWH
Color Rendering Index	Options		Finish
80CRI 80 CRI	<p>Emergency Options‡</p> <p>E10WCP 10W emergency battery pack, Certified in CA Title 20 MAEDBS‡</p> <p>E15WMCP 15W emergency battery pack, Certified in CA Title 20 MAEDBS‡</p> <p>IE20WCPHE Iota 20W emergency battery pack, Certified in CA Title 20 MAEDBS‡</p> <p>WGX Wireguard installed</p> <p>IMP Integrated modular plug</p> <p>OCS RELOC® OnePass selectable cable 6' installed‡</p> <p>Cord Sets‡</p> <p>CPSBW 6' white damp location cord with straight blade plug (voltage will match fixture, 120V or 277V only)</p> <p>CPTLW 6' white damp location cord with twist-lock plug (voltage will match fixture; Not avail with 208V or 240V)</p> <p>CNPW 6' white cord, no plug</p> <p>CNP4CW 6' white cord, 4 conductors (for use with battery)</p> <p>CNP5CDW 6' white cord, 5 conductors (includes dimming leads)</p> <p>For additional cord set offerings, see table on next page.</p>	<p>Individual Controls (LSXR):‡</p> <p>LSXR6 360° integral high mount motion sensor with standard on/off operation</p> <p>LSXR6 HL 360° integral high mount motion sensor with high/low/(off) occupancy operation. For High/Low/(never off), bypass relay</p> <p>LSXR6 P 360° integral high mount motion sensor with on/off switching photocell</p> <p>LSXR6 ADC 360° integral high mount motion sensor with dimming & switching photocell</p> <p>LSXR6 ANL 360° integral high mount motion sensor with High/Low (Off) occupancy dimming & auto-dimming photocell</p> <p>*For 360° integral LOW MOUNT sensors, replace "6" in nomenclature with "10". For High Mount AISLEWAY sensors, replace "6" in nomenclature with "50". Ex: LSXR50 HL</p> <p>nLight AIR Wireless Controls:</p> <p>NLTAIR2 nLight AIR (wireless) gen 2 control device with high mount occupancy and daylight sensor</p> <p>RLSXR6 nLight AIR (wireless) gen 2 control device (dimming & switching power pack)</p> <p>RPP20</p> <p>*For 360° integral LOW MOUNT sensors, replace "6" in nomenclature with "10". For High Mount AISLEWAY sensors, replace "6" in nomenclature with "50". Ex: RLSXR50</p>	DWH Gloss White

Accessories: Order as separate catalog number.		
<p>Mounting:</p> <p>IBAC120 M100 Aircraft cable 10' with hook (one pair)</p> <p>IBAC240 M75 Aircraft cable 20' with hook (one pair)</p> <p>IBHMP Hook monopoint</p> <p>ZACVH Aircraft 10' V hanger (one pair)</p> <p>HC36 Hanger chain, 36" (one pair)</p> <p>THUN Tong hanger surface mount bracket (order 2 per fixture)</p>	<p>Wire guards:</p> <p>WGCPHBSM Wire guard for CPHB (12000LM - 18000LM)</p> <p>WGCPHBMD Wire guard for CPHB (24000LM - 30000LM)</p>	<p>Cord sets for IMP option: ‡</p> <p>CS1WIMP Straight plug, 120V</p> <p>CS3WIMP Twist-lock, 120V</p> <p>CS7WIMP Straight plug, 277V</p> <p>CS11WIMP Twist-lock, 277V</p> <p>CS93WIMP 600V SO white cord, no plug (no voltage required)</p>

PHOTOMETRICS

See www.lithonia.com.

‡ Option Value Ordering Restrictions	
Option Value	Ordering Restrictions
347	Not available with 12000LM or 15000LM. For 18000LM - 30000LM fixture includes an additional 10kV surge protector. The 18000LM fixture increases in size to 22.5" length when ordered with 347, 480, or HVOLT.
480	Not available with 12000LM or 15000LM. For 18000LM - 30000LM fixture includes an additional 10kV surge protector. The 18000LM fixture increases in size to 22.5" length when ordered with 347, 480, or HVOLT.
Cord Sets	Must specify voltage on cord sets with plugs.
Cord Sets for IMP	Fixture must be ordered with IMP option. All cord sets are 18/3, 6' white.
Emergency Options	MVOLT only. May alter fixture construction. Consult line art for dimensions. Batteries not for use with surface mount option. If cord set is needed, use CNP4C which will have normal hot and unswitched hot exiting cord set. Not available with IMP option.
E10WCP	Max ambient operating temperature of 35°C.
E15WMCP	Factory installation only. Not approved for field installation. Max ambient operating temperature of 35°C.
HVOLT	Not available with 12000LM or 15000LM. For 18000LM - 30000LM fixture includes an additional 10kV surge protector. The 18000LM fixture increases in size to 22.5" length when ordered with 347, 480, or HVOLT.
IE20WCPHE	Battery backpack is >17" long. Compatible only with 24000LM & 30000LM (22") fixture. Max ambient operating temperature of 40°C.
Individual Controls (LSXR)	Comes standard with SPD. This sensor configuration is suitable for minimum ambient temperature of 14°F (-10°C). Not available with other controls.
OCS	Dry Location listed only. Not available with Battery Options.

ADDITIONAL CORD SET OPTIONS

	Cord Set Nomenclature	Fixture Voltage	Description
12FT Options	CPSBW12FT	277	12', White cord, with NEMA 7-15 plug (277v, 15A, straight blade)
	CPTLW12FT	277	12', White cord, with NEMA L7-15 plug (277v, 15A, twist lock)
	CPTLW12FT	480	12', White cord, with NEMA L8-20 plug (480v, 20A, twist lock)
	CNPW12FT	Any	12', White cord, no plug, 3 conductors (BLK/WHT/GRN)
	CNP5CDW12FT	Any	12', White cord, no plug, 5 conductors for dimming - (BLK/WHT/GRN/PUR/GRY)

15FT Options	CPSBW15FT	277	15', White cord, with NEMA 7-15 plug (277v, 15A, straight blade)
	CPTLW15FT	277	15', White cord, with NEMA L7-15 plug (277v, 15A, twist lock)
	CNPW15FT	Any	15', White cord, no plug, 3 conductors (BLK/WHT/GRN)

*CPHB will have additional cord set options available in April 2021. No additional lengths or configurations available at this time.

PERFORMANCE TABLE

	Glare Control Lens, Medium Distribution			
	Lumen Package	Wattage	Lumen Output	LPW
Delivered Lumens 4000K, 80CRI	12000LM	88	12,261	140
	15000LM	104	14,857	143
	18000LM	134	18,364	137
	24000LM	174	24,890	143
	30000LM	214	30,298	141
Delivered Lumens 5000K, 80CRI	12000LM	88	12,342	141
	15000LM	104	14,955	144
	18000LM	134	18,485	138
	24000LM	174	25,054	144
	30000LM	214	30,498	142

SCALING FACTOR TABLES

Multipliers	
ND	1.00
WD	1.04
WGX	0.95

CPHB CHARACTERISTICS

Lumen package	Wattage				Length	Width	Depth	Weight	Comparable light source
	120V	277V	347V	480V					
12000LM	88	87	87	87	14.4 (36.6)	11.5 (29.2)	2.3 (5.8)	5 (2.2)	175W MH, 4-lamp T8 HBF, 2-lamp T5HO
15000LM	104	104	103	104	14.4 (36.6)	11.5 (29.2)	2.3 (5.8)	5 (2.2)	200W MH, 6-lamp T8 NBF
18000LM	134	133	128	128	14.4 (36.6)	11.5 (29.2)	2.3 (5.8)	6.5 (2.9)	250W MH, 6-lamp T8 HBF, 4-lamp T5HO
24000LM	174	170	174	174	22.8 (57.9)	11.5 (29.2)	2.3 (5.8)	8 (3.6)	400W MH, 6-lamp T5HO
30000LM	214	210	219	217	22.8 (57.9)	11.5 (29.2)	2.3 (5.8)	8 (3.6)	575W MH, 10-lamp T8 HBF

PROJECTED LUMEN MAINTENANCE

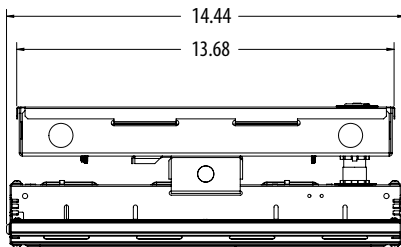
Operating hours	10,000	20,000	30,000	40,000	50,000	60,000	70,000	80,000	90,000	100,000
Lumen maintenance factor	0.98	0.96	0.93	0.91	0.89	0.87	0.85	0.83	0.81	0.79

BATTERY INFORMATION

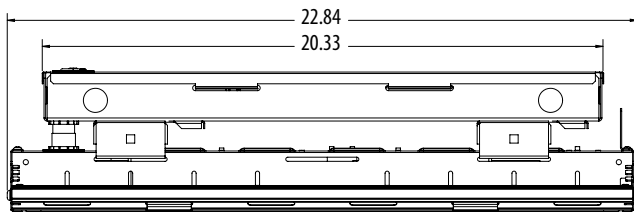
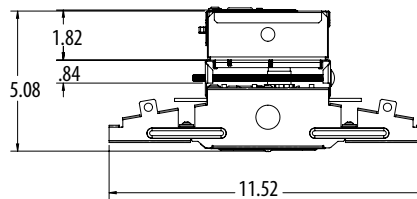
EMERGENCY BATTERY PACK OPTIONS

Nomenclature	Part Number
E10WCP	PS1055CP
E15WMCP	PS1555MCP
IE20WCPHE	ILB CP20 HE SDR

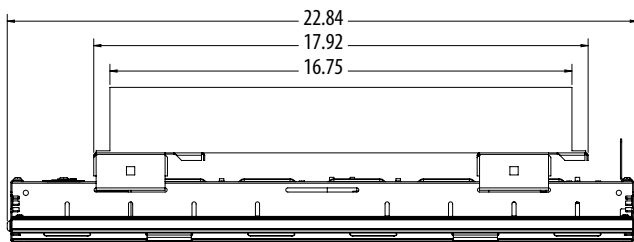
EMERGENCY LUMENS GCL, MD (5000K, 80CRI)			
Lumen Package	E10WCP	E15WMCP	IE20WCPHE
12000	1406	2109	2812
15000	1435	2153	2870
18000	1383	2074	2766
24000	1438	2156	2875
30000	1422	2134	2845



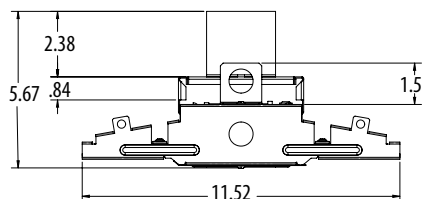
CPHB 12L-18L WITH E10WCP/E15WMCP



CPHB 24L-30L WITH E10WCP/E15WMCP



CPHB 24L-30L WITH IE20WCPHE



STANDARD SENSOR

		Standard Sensor or Control Device
Emergency Operation Scenarios	Emergency Lighting Strategy	*Luminaire-integral battery pack and emergency driver *Generator transfer device
	Recommended Control Device Option	*Not specifically listed for emergency use. *Wired such that a separately listed emergency device provides emergency lighting power and/or control during loss of normal power scenarios.

	Function	Standard Sensor or Control Device	Standard Sensor or Control Device	Standard Sensor Settings				
				Vacancy Time Out	Dim to Off Time Delay	High Trim	Vacancy Dim Level (Low Trim)	Photocell Set Point
Standalone Sensors (Individual control per fixture)	On/Off	*Lights turn on when motion detected; Upon vacancy, Lights turn off after timeout.	LSXR6	10 min	-	-	-	-
	High/Low (Off)	Lights turn on to high trim when presence is detected; Upon vacancy, the lights dim to low trim after timeout and turn off after "Dim To Off" Time Delay. For High/Low (Never Off) function, bypass the relay by bringing power directly into driver rather than wiring hot through LSXR device.	LSXR6 HL	10 min	2.5 min	100%	10% (Driver Low)	-
	Photocell	Lights turn on unless ambient light level is above set point; If ambient light levels in the space exceed the photocell set point, lights will turn off even during occupancy.	LSXR6 P	-	-	-	-	4 fc
	Dimming + Photocell	Lights turn on when presence is detected unless ambient light level is above set point; Upon vacancy, the lights dim to low trim, then turn off after timeout; During occupancy, automatically raise and lower electric light level to maintain set point and turn off, depending on ambient light.	LSXR6 ADC	10 min	2.5	-	-	4 fc
	Dimming + Photocell + High/Low	Lights turn on when presence is detected unless ambient light level is above set point; Upon vacancy, lights dim to low trim after timeout and remain at low trim until presence is detected; Automatically raise and lower electric light level to maintain set point during occupancy and during vacancy keeps lights at low trim if ambient light is not sufficient.	LSXR6 ANL	10 min	-	100%	10%	4 fc
Note: For 360° integral Low Mount sensors, replace "6" in nomenclature with "10". Ex. LSXR10 P. For High Aisle Mount sensors, replace "6" with "50".								

nLight AIR Wireless Sensors	Dimming + Photocell + Occupancy	Wirelessly programmable network sensor - On/Off control with dimming, occupancy detection, and daylight harvesting (Sensor embedded in fixture)	NLTAIR2 RLSXR6	7.5 min	2.5 min	100%	10%	50 fc
	Dimming	Wirelessly programmable On/Off control with dimming - no sensor (Device embedded in fixture)	NLTAIR2 RPP20 D	-	-	100%	10% (driver low)	-
Note: For 360° integral Low Mount sensors, replace "6" in nomenclature with "10". For high Aisle Mount sensors, replace "6" with "50". Ex: NLTAIR2 LSXR50 Controls are KO-mounted.								

IMP – Integrated Modular Plug

- The integrated modular plug (IMP) option allows the installer to plug and play.
- Cord sets connect quickly to any fixture with IMP option.

IMP compatible cord sets ¹			
CS1WIMP	Straight plug, 120V	CS25WIMP	Twist-lock, 347V
CS3WIMP	Twist-lock, 120V	CS93WIMP	600V SE00W white cord, no plug
CS7WIMP	Straight plug, 277V	CS97WIMP	Twist-lock, 480V
CS11WIMP	Twist-lock, 277V		

Notes

¹ Cord set required for fixture operation. All cord sets are 18/3, 6' white.

LSXR — Fixture Mount Occupancy Sensor (see www.AcuityControls.com for additional information)

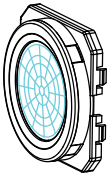
- Three interchangeable lens options to satisfy multiple mounting heights and coverage pattern requirements.
- Integrated mounting bracket drops lens down 3" from chase nipple.
- Single or dual relay versions — designed with robust protection from the harsh switching requirements of T5 and LED loads.
- Photocell and 0-10VDC dimming options.
- No PIR field calibration or sensitivity adjustments required.
- Sensor ambient temperature rating of 14°F (-10°C) to 131°F (55°C).

LSXR configuration	Comparable CMRB sensor	Old style sensor nomenclature
For shortest lead times use one of the following LSXR configurations		
LSXR50 / LC0ZU	CMRB 50	MSI
LSXR50 HL / LCH0SZU	CMRB 50 D	MSID
LSXR50 P / LCPZU	CMRB 50 P	MSIPED
LSXR6 / LA0ZU	CMRB 6	MSI360
LSXR6 HL / LAH0SZU	CMRB 6 D	MSI360D
LSXR6 P / LAPZU	CMRB 6 P	MSI360PED



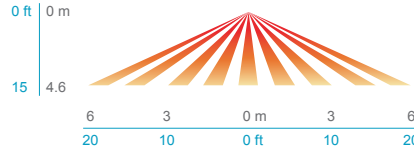
LSXR COVERAGE PATTERNS

HIGH MOUNT 360° LENS (#6)

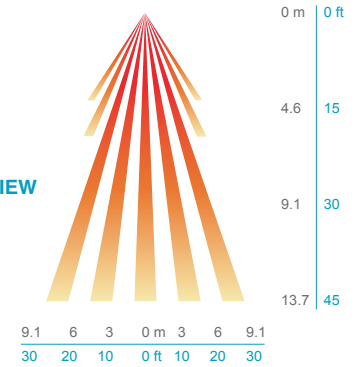


- Best choice for 15 to 45 ft (4.57 to 13.72 m) mounting heights
- 15 to 20 ft (4.57 to 6.10 m) radial coverage overlaps area lit by a typical high bay fixture
- Excellent detection of large motion (e.g. walking) up to a 35 ft (10.76 m) mounting height
- Excellent detection of extra large motion (e.g.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

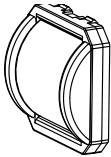
LOW VIEW



HIGH VIEW

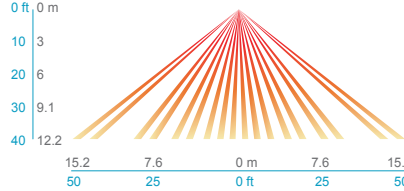


HIGH MOUNT AISLEWAY LENS (#50)

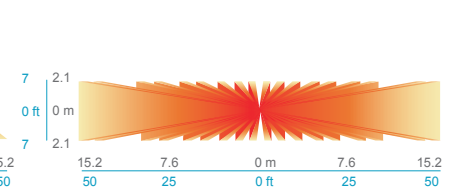


- Provides a bi-directional coverage pattern ideal for warehouse racking
- 1.2x mounting height equals approximated detection range in either direction
- Typical 40 ft (12.19 m) mounting detects 50 ft (15.24 m) in either direction
- Superior aisleway coverage compared to a masked 360° lens

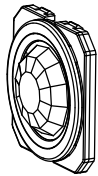
SIDE VIEW



TOP VIEW

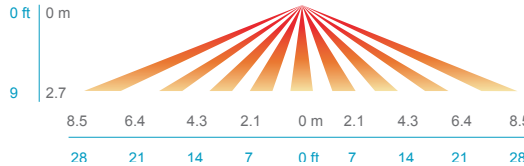


LOW MOUNT 360° LENS (#10)

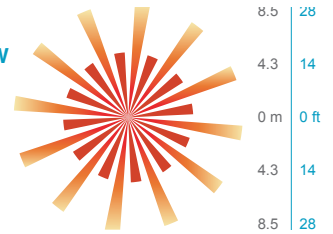


- Best choice for large motion detection (e.g. walking)
- 360° conical shaped pattern
- Provides ~24 ft (7.32 m) radial coverage (~2000 ft²) when mounted at 9 ft (2.74 m)
- 7 to 15 ft (2.13 to 4.57 m) mounting heights provide 16 to 36 ft (4.88 to 10.97 m) radial coverage
- Detection range improves when walking across beams compared to into beams

SIDE VIEW



TOP VIEW

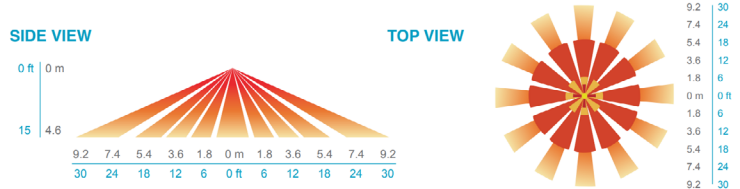


nLIGHT AIR CONTROLS - rLSXR

rLSXR COVERAGE PATTERNS

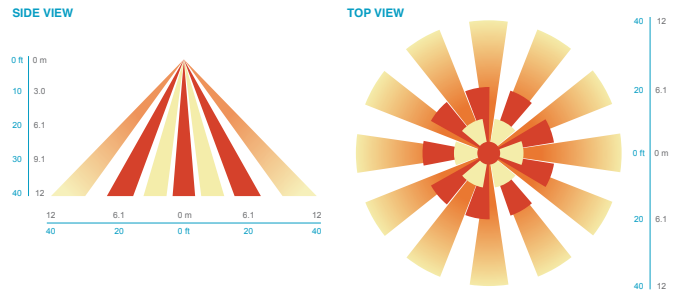
7 - MINI-LOW BAY 360° LENS

- Recommended for walking motion detection from mounting heights between 8 ft (2.44m) and 20 ft (6.10 m)
- Initial detection of walking motion along sensor axes at distances of 2x the mounting height up to 15 ft (4.57 m) and 1.75x up to 20 ft (6.10 m)
- Provides 12 ft (3.66 m) radial detection of small motion when mounted at 9 ft (2.74)
- Initial detection will occur earlier when walking across sensor's field of view than walking directly at sensor



45- HIGH MOUNT 360°

- Optimized full coverage pattern for 10 – 40 ft. (3.1 – 12 m)
- Reliable detection of large motion (e.g. pedestrian walking traffic) up to 30 ft. (9.1 m) mounting height
- Reliable detection of extra-large motion (e.g. forklift traffic) up to 40 ft. (12 m) mounting height



45A HIGH MOUNT AISLEWAY

- Optimized bi directional coverage pattern for aiseways with 10 – 40 ft. (3.1 – 12 m) mounting heights
- 1.2X's mounting height equals approximate detection range
- Reliable detection of large motion (e.g. pedestrian walking traffic) up to 30 ft. (9.1 m) mounting height
- Reliable detection of extra-large motion (e.g. forklift traffic) up to 40 ft. (12 m) mounting height
- Stow-able rotating lens shield can be utilized to mask areas in which detection is not desired

