

Catalog Number
Notes
Type

FEATURES & SPECIFICATIONS

INTENDED USE — Ideal for use in food and beverage processing, cold storage and garden centers. Fiberglass enclosure protects fixture while remaining easy to service and clean. Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate. [Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.](#)

CONSTRUCTION — One-piece 5VA rated fiberglass housing with continuous poured-in-place, closed-cell gasket. Three piece captive latches lock onto the housing to keep latches from becoming displaced during strenuous cleaning.

OPTICS — Injection-molded acrylic, impact-resistant diffuser (.080" thick), available in clear or frosted, features side lineal prisms and frosted ends (clear). Frosted lens recommended for lower mounting heights and enhanced visual comfort. UV stabilized polycarbonate diffuser option available (.080" thick) for increased impact resistance. Three piece stainless steel latches keep lens securely fastened.

ELECTRICAL — Utilizes high-efficiency LEDs mounted to core circuit boards. High-efficiency drivers operate 120-480 volt offered with 0-10 volt dimming, allowing granular control when coupled with wireless networking controls. Integral 6kV/3kA surge protection, tested in accordance to IEEE/ANSI standards. Expected service life of 72,000 hours at 80% lumen maintenance (L80); predicted life of more than 100,000 hours.

INSTALLATION — Luminaire can be surface or suspend mounted. Power connection is easily accommodated through pre-drilled holes at each end, watertight plugs ship standard on each end. Stainless steel mounting straps (standard), included for suspension with aircraft cable (cable not included). Optional stainless steel V-hooks available for chain hanging (chain not included). Mounting straps also accommodate RMKSS or RMKZP accessory for surface mounting.

LISTINGS — CSA Certified to UL and C-UL Standards. Suitable for wet location. Covered ceiling not required to maintain wet location listing or IP ratings. IP65, IP66, IP67 (4ft. only) and IP69k (2ft. only) rated and certified to meet NSF Splash Zone 2. NEMA 4X rated. Sensors maintain IP65 and IP66 only. 1500 PSI hose-down. Ambients listed on page 4.

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC 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/CustomerResources/Terms_and_conditions.aspx

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.

High-Pressure Hose-Down



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

FHE LED High-Pressure Hose-Down, LED



A+ Capable options indicated by this color background.

ORDERING INFORMATION

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

Example: FHE L24 18000LM ACL MD MVOLT GZ10 50K 80CRI

FHE											
Series	Length	Nominal Lumens		Diffuser		Distribution		Voltage		Driver	
FHE	L24	9000LM	9,000 lumens	ACL	Clear acrylic	ND	Narrow distribution	MVOLT	120-277V,50/60HZ	GZ10	0-10v dimming
		12000LM	12,000 lumens	PCL	Clear polycarbonate	MD		HVOLT	347-480V,50/60HZ		
		15000LM	15,000 lumens	FST	Frosted acrylic			120	120V, 50/60HZ		
		18000LM	18,000 lumens					277	277V, 50/60HZ		
		24000LM	24,000 lumens	347	347V, 50/60HZ						
	L48	18000LM	18,000 lumens					480	480V, 50/60HZ		
		24000LM	24,000 lumens								
		28000LM	28,000 lumens								
		36000LM	36,000 lumens								
		40000LM	40,000 lumens								

Color temperature ¹	CRI	Options ²	
30K 3000 K	80CRI 80 CRI	SPD Surge protection device 10kV	MHKB Stainless steel V-hook and brackets
35K 3500 K	90CRI 90 CRI	E10WLCP EM Self-diagnostics battery pack, 10W, Constant Power CEC compliant, T20 compliant ³	RMKSS Rigid mount bracket, stainless steel
40K 4000 K		FE14WCP EM Self-diagnostics battery pack, 20W, Constant Power CEC compliant, -20°C, utilizes Fulham battery ³	RMKZP Rigid mount bracket, zinc plated
50K 5000 K		WLF Wet location fitting ^{4,5}	EMK End mount suspension bracket ¹⁰
		WLFEND Wet location fitting (one end) ⁵	PMP4X Pendant monopoint with NEMA4X fitting ¹¹
		WLFEND2 Wet location fitting (both ends) ^{5,6}	<u>Individual controls:</u>
		CS89 Cord set - NEMA type STW 16/3, 6', 600V, white, no plug, wet location ⁷	MSI6NWL High mount 360° motion sensor, on/off, wet location ¹²
		CS89L12 Cord set - NEMA type STW 16/3, 12', 600V, white, no plug, wet location ⁷	MSI6L3VWL High mount 360° motion sensor, on/off with second time-out period, goes to a dimmed state before turning off max/min dim setting, wet location ¹²
		CS88 Cord set - Brad Harrison 3P male straight 600V molded plug, 6' type ST00W yellow PVC cord, 16/3 ⁷	MSI10NWL Low mount 360° motion sensor, on/off, wet location ¹²
		CS88L12 Cord set - Brad Harrison 3P male straight 600V molded plug, 12' type ST00W yellow PVC cord, 16/3 ⁷	MSI10L3VWL Low mount 360° motion sensor, on/off with second time-out period, goes to a dimmed state before turning off max/min dim setting, wet location ¹²
		CS88R Cord set - Brad Harrison receptacle ⁷	<u>Xpoint™ Wireless:</u>
		CS93W4C Cord set - 600 SO 4-conductor white cord, no plug (no voltage required) for battery ^{7,8}	XAD XPoint™ wireless controller, 0-10V dimming ¹³
		CS6G16STOW5D 6' white cord, 16/5, no plug, wet location, includes low voltage dimming wires ^{7,9}	XAD924 Xpoint wireless controller, 0-10V dimming, Generator dimming cut-off ¹³
			<u>nLight Wireless:</u>
			NLTAIR2 RSBOR6 nLight AIR Genration 2 enabled 360° high mount motion sensor ¹⁴
			NLTAIR2 RSBOR10 nLight AIR Genration 2 enabled 360° low mount motion sensor ¹⁴

Accessories: Order as separate catalog number.			
FHEMHKB	Stainless steel V-hook and brackets	MHHK120SS	10' single leg aircraft cable, stainless steel ^{15,16}
FHEEMK	End mount suspension bracket	FHEACT120	10' Y-toggle aircraft cable
FHERMKZP	Rigid mounting bracket, zinc plated	FHEACT240	20' Y-toggle aircraft cable
FHERMKSS	Rigid mounting bracket, stainless steel	RK1 T10BIT W/PIN U	Hex-base driver bit, Torx TX10, for tamper resistant screws with center reject pin
MHCH36	3' Double chain ¹⁵		
MHHK120	10' single leg aircraft cable ^{15,16}		

Notes

- The CCT value provided is of lamp source and actual CCT will vary upon levels.
- For additional options consult factory.
- Requires SPD option. For 9000lm 2ft and 18000lm 4ft only. For L24, not available with XAD, AE1BA. Not available in HVOLT, 347V, 480V. Not available with 3 conductor cords or plugs.
- Not available with L24.
- Not NEMA 4X rated, rated but are still wet location rated.
- Not available with cord set, MSI sensor, or photocell options.
- Not available with PMP4X, WLF, WLFEND2.
- Only available with E10WLCP & FE14WCP.
- Not available with MSI sensors, XAD, XAD924, NLTAIR RSBOR6 & RSBOR10, AE1BA (dimming not available).
- Requires WLFEND2.
- Only available with L24.
- Not available in MVOLT or HVOLT. Must specify voltage. Requires SPD option
- Not available in MVOLT, HVOLT, 347, 480V. Must specify voltage. Requires SPD option.
- Requires SPD option.
- For use with MHKB option.
- For use with EMK option.

FHE LED High-Pressure Hose-Down, LED

OPERATIONAL DATA.

80 CRI*							
Length	Package	Input Wattage	CCT	ACL	FST	PCL	Comparable Light Source
				Lumens (LPW)	Lumens (LPW)	Lumens (LPW)	
L24	9000LM	59	30K	8815 (149)	8683 (146)	8764 (148)	2-lamp T5HO
			35K	8998 (152)	8864 (149)	8946 (151)	
			40K	9416 (159)	9276 (156)	9363 (158)	
			50K	9678 (163)	9534 (161)	9623 (162)	
	12000LM	79	30K	12009 (152)	11830 (150)	11941 (151)	4-lamp T8, 250W HID
			35K	12259 (155)	12076 (153)	12189 (155)	
			40K	12829 (163)	12638 (160)	12756 (162)	
			50K	13185 (167)	12989 (165)	13110 (166)	
	15000LM	98	30K	14632 (149)	14415 (147)	14549 (149)	4-lamp T5HO, 6-lamp T8
			35K	14936 (152)	14714 (150)	14851 (152)	
			40K	15631 (160)	15398 (157)	15542 (159)	
			50K	16065 (164)	15826 (162)	15974 (163)	
	18000LM	113	30K	17584 (156)	17322 (154)	17484 (155)	4-lamp T5HO, 6-lamp T8, 400W HID
			35K	17949 (159)	17682 (157)	17847 (159)	
			40K	18784 (167)	18504 (164)	18677 (166)	
			50K	19306 (171)	19018 (169)	19196 (171)	
	24000LM	157	30K	23008 (147)	22666 (145)	22877 (146)	6-lamp T5HO, 8-lamp T8
			35K	23486 (150)	23136 (148)	23352 (149)	
			40K	24578 (157)	24212 (155)	24439 (156)	
			50K	25261 (161)	24885 (159)	25118 (160)	
L48	18000LM	115	30K	18768 (164)	17894 (156)	17981 (157)	4-lamp T5HO, 6-lamp T8, 400W HID
			35K	19157 (167)	18266 (159)	18354 (160)	
			40K	20048 (175)	19115 (167)	19208 (167)	
			50K	20605 (180)	19646 (171)	19741 (172)	
	24000LM	149	30K	24064 (161)	22944 (154)	23055 (155)	6-lamp T5HO, 8-lamp T8
			35K	24564 (165)	23420 (157)	23534 (158)	
			40K	25706 (172)	24510 (164)	24628 (165)	
			50K	26420 (177)	25190 (169)	25313 (170)	
	28000LM	173	30K	27760 (161)	26468 (153)	26597 (154)	6-lamp T5HO, 8-lamp T8
			35K	28337 (164)	27018 (156)	27149 (157)	
			40K	29655 (172)	28275 (164)	28412 (165)	
			50K	30479 (177)	29060 (168)	29201 (169)	
	36000LM	230	30K	36711 (160)	35002 (152)	35172 (153)	750W MH, 8-lamp T5HO
			35K	37474 (163)	35729 (155)	35903 (156)	
			40K	39216 (171)	37391 (163)	37572 (163)	
			50K	40306 (175)	38430 (167)	38616 (168)	
	40000LM	254	30K	39168 (154)	37345 (147)	37526 (148)	750W MH, 8-lamp T5HO
			35K	39982 (157)	38121 (150)	38306 (151)	
			40K	41841 (165)	39894 (157)	40087 (158)	
			50K	43003 (169)	41002 (161)	41201 (162)	

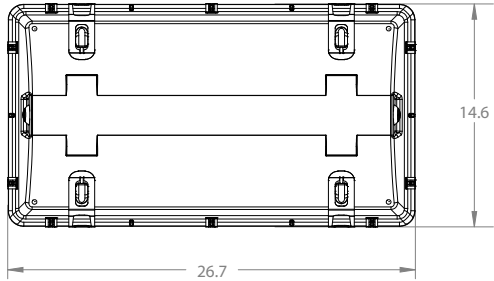
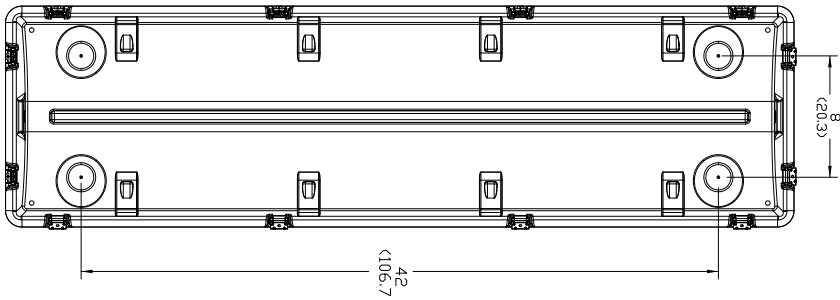
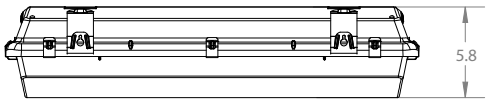
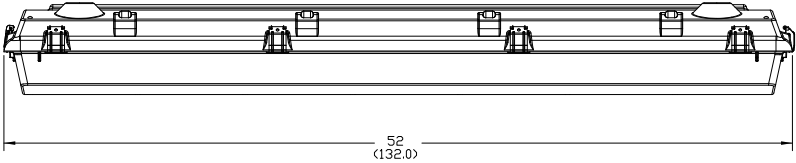
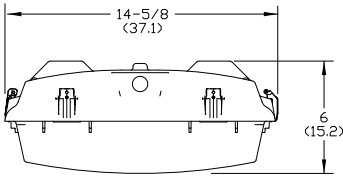
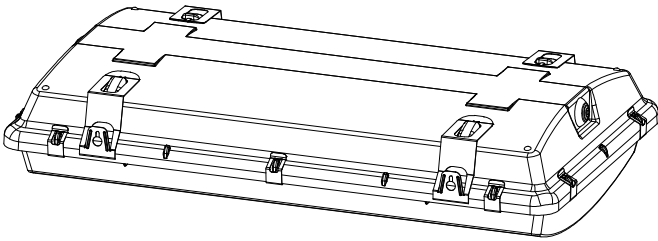
* For 90CRI, reduce lumen output by 15%

FHE LED High-Pressure Hose-Down, LED

DIMENSIONS

Inches (centimeters). Subject to change without notice.

Length	Actual Length	Width	Height	Approximate weight	Fixtures per pallet	Approximate pallet dimensions (L x W x H)
L24	26.7in	14.625in	6in	18lbs.	20	63x16x9
L48	52in	14.625in	6in	35lbs.	10	63x16x9



CSA LISTED AMBIENT RATING*					
		Surface	Suspended**	E10LCP Option	FE14WCP Option
L24	9000LM	45°C	55°C	0°C - 25°C	-20°C - 25°C
	12000LM	45°C	55°C	-	-
	15000LM	35°C	50°C	-	-
	18000LM	35°C	45°C	-	-
	24000LM	25°C	35°C	-	-
L48	18000LM	25°C	50°C	0°C - 25°C	-20°C - 25°C
	24000LM	25°C	45°C	-	-
	28000LM	25°C	35°C	-	-
	36000LM	25°C	40°C	-	-
	40000LM	25°C	40°C	-	-

*Minimum Ambient is -40°C unless noted

** Suspended 18" from ceiling

FHE LED High-Pressure Hose-Down, LED

MOUNTING ACCESSORIES



MHHK (requires two pair)



FHEACT



V-hook, chain



FHEEMK – End mount suspension bracket**



FHERMKSS – Rigid mounting bracket, stainless steel (made from 304 stainless steel)
FHERMKZP - Rigid mounting bracket, zinc plated

PHOTOMETRICS

See www.lithonia.com for photometry reports.

rSBOR – WET LOCATION, Fixture Mount Sensor (see www.sensorswitch.com for additional information)

- 360° coverage
- On/Off dim
- Photocell optional
- IP66 rated
- Photocell and 0-10VDC dimming options.

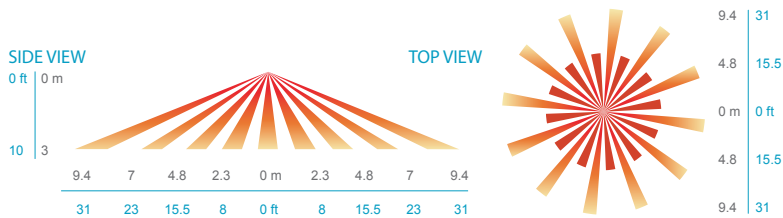
Fixture sensor nomenclature	SBOR sensor nomenclature
For shortest lead times use one of the following SBOR configurations	
NLTAIR2 RSBOR6	rSBOR 6 EB3 WH G2
NLTAIR2 RSBOR10	rSBOR 10 EB3 WH G2
MS10NWL DSCNWL	SBOR 10 OEX P EB3 WH



COVERAGE PATTERNS

PARKING GARAGE / LOW MOUNT APPLICATIONS

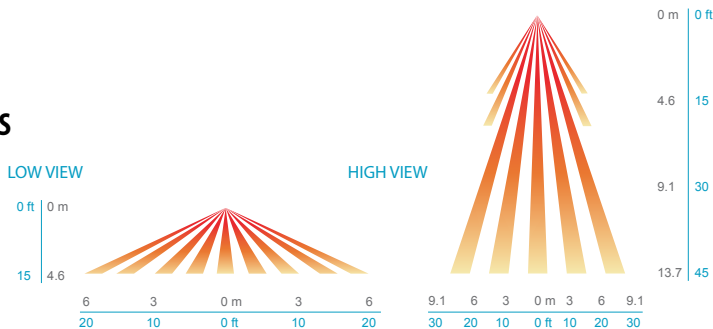
In general, the SBOR 10 is recommended for 8-15 ft (2.44-4.57 m) mounting and provides a coverage area radius for walking motion of greater than 2x the mounting height. The SBOR 10 ODP is ideal for parking garage and low pole mount applications. When mounted 10 ft high, for example, on a luminaire in a parking garage, the sensor's coverage for walking motion extends out 30 ft in a 360° pattern. This closely matches the lighting distribution of a typical parking garage luminaire. When mounted to a light pole, for example, in a parking lot or along a path, the sensor provides 270° of coverage (90° is blocked by the pole). Note, walking askew to sensor typically results in earlier detection than walking directly at sensor.



Coverage Pattern of Low Mount Lens Option (SBOR 10)

SITE & AREA LIGHTING / HIGH MOUNT APPLICATIONS

The SBOR 6 is intended for higher pole mount applications, between 15-30 ft (4.57-9.14 m), and provides a coverage area radius for walking motion of 15-20 ft (4.57-6.10 m). When mounted to a pole the sensor provides 270° of coverage (90° is blocked by the pole).



Coverage Pattern of High Mount Lens Option (SBOR 6)