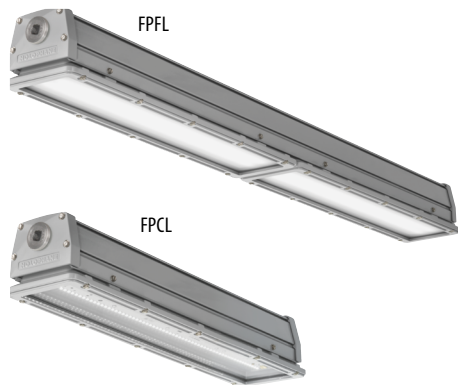


Catalog Number	
Notes	Type

Petrolux® EMXH LED

Hazardous Location for Demanding Environments



FEATURES & SPECIFICATIONS

Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate. [Click here for Acrylic-Polycarbonate Compatibility table for suitable use.](#)

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.](#)

ENCLOSED CONSTRUCTION:

- Cast & Extruded Aluminum - Polyester Powder Coated
- 18-8 Stainless Steel Hardware
- Molded Silicone Gasketing
- 3/4" threaded NPT end-caps standard

OPTICS & LENS:

- Clear & Frosted Polycarbonate, .125" thick
- Clear & Frosted Tempered Glass, .125" thick

ELECTRICAL:

- MVOLT (120-277V)
- HVOLT (347-480V)
- 0-10V, 10% Dimming

INSTALLATION:

- Surface (ceiling, wall, angle). Standard mounting bracket is ceiling only.
 - Suspended - Standard or RMBK (Chain, cable, pendant)
 - Pole (u-bolt)
- (see page 4 for mounting images)

LISTING & RATINGS:

- CSA Listed Class I, Div 2, Group A,B,C, and D; Class II, Div 2, Group F and G; Class III
- IP65, IP66, IP69K Rated per IEC60529
- IP67 option rated per IEC60529
- FCC Title 47, Part 15, Subpart B
- IK rated (see chart on page 3)
- 1G rated with standard mounting bracket, 3G rated with optional rigid mount bracket (RMBK) per ANSI C136.31
- 10kV/6kA Surge Rated per ANSI C82.77-5-2015
- NSF Splash zone 2 rated (excludes RMBK option)
- CSA Ambient Listings on Page 3
- Lumen Maintenance Listed on Page 3

DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

BUY AMERICAN — Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT. Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY — 5-year limited warranty. Complete warranty terms located at:

www.acuitybrands.com/support/warranty/terms-and-conditions

NOTE: Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.



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

EMXH LED

Low-Profile Enclosed and Gasketed



A+ Capable options indicated by this color background.

ORDERING INFORMATION

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

Example: EMXH L48 4000LM FPCL WD MVOLT GZ10 40K 80CRI DNAXD

Series	Length	Nominal Lumens	Diffuser	Distribution
EMXH	L24 24"	3000LM 3,000 lumens	FPCL Flat Poly Clear, .125" thick	MD Medium
		5000LM 5,000 lumens	FPFL Flat Poly Frost, .125" thick	WD Wide
		7000LM 7,000 lumens	FGFL Flat Glass Frost, .125" thick	PGD Parking Garage
		9000LM 9,000 lumens	FGCL Flat clear glass, .125" thick	
	L48 48"	6000LM 6,000 lumens		
		10000LM 10,000 lumens		
		14000LM 14,000 lumens		
		18000LM 18,000 lumens		

Voltage	Driver	Color temperature	CRI
MVOLT 120-277, 50/60hz	GZ10 0 - 10V dimming	30K 3000K	80CRI 80 CRI
HVOLT 347-480V, 50/60hz		35K 3500K	90CRI 90 CRI
120 120V		40K 4000K	
277 277V		50K 5000K	
347 347V			
480 480V			

Options	Finish ‡
IDS Independent Driver System ‡	DGXD CR Grey, Super durable, corrosion resistant
SPD20KV 20kV Surge Protection Device 120V-277V ‡	DWHXD CR White, Super durable, corrosion resistant
SPD20KVH 20kV Surge Protection Device 347V-480V ‡	DBLXD CR Black, Super durable, corrosion resistant
RMBK Rigid mount bracket ‡	
RMBA Angled rigid mount bracket	
RMBU Rigid mount U-bolt	
IP67 Semi-submersible gasket kit ‡	
BAA Buy America(n) Act Compliant	
Cordsets:	Individual Controls ‡
CNP16WWL 6' white cord, 16/3, no plug, wet location	SBGR10 Low mount 360° integral motion sensor, wet location, On/Off operation
CNP16WWL12FT 12' white cord, 16/3, no plug, wet location	SBGR10 D 3V Low mount 360° integral motion sensor, wet location, High/Low operation (bi-level)
CNP165CDWWL 6' white cord, 16/5, no plug, wet location, includes low voltage dimming wires	SBGR10 P Low mount 360° integral motion sensor, wet location, On/Off operation for motion sensing, override Off due to daylight

NOTE: ‡ indicates option chosen has ordering restrictions. Please reference ordering restrictions chart.

Accessories: Order as separate catalog number.	
EMXRMBK	Rigid mount bracket (ships as pair) ‡
EMXRMBU	Angle mount bracket (ships as pair)
EMXRMBU	Rigid mount U-bolt (ships as pair)

‡ Option Value Ordering Restrictions	
Option value	Restriction
EMXRMBK	3G rated.
Finish	Corrosion resistant finish is required.
IDS	Available with L48 only. Not available with sensors/controls.
Individual Controls	Rated Class II, Div 2, Class III
IP67	Requires RMBK, RMBA, or RMBU. Not available with individual controls or Xpoint wireless controls.
SPD20KV	Not available in HVOLT. Required with E10WLCP, SBGR, NLTAIR2 sensors.
SPD20KVH	Not available in MVOLT. Required with E10WLCP, SBGR, NLTAIR2 sensors.
RMBK	3G rated.

OPERATIONAL DATA (80 CRI*, MD, DWH***)**

Length	Package	Input Wattage	CCT	FPCL	FPFL	FGCL	FGFL
				Lumens (LPW)	Lumens (LPW)	Lumens (LPW)	Lumens (LPW)
L24	3000LM	20.0	30K	2862 (143)	2214 (110)	2879 (144)	2485 (124)
			35K	2920 (146)	2259 (113)	2937 (147)	2536 (126)
			40K	3193 (159)	2470 (123)	3212 (160)	2773 (138)
			50K	3094 (154)	2393 (119)	3112 (155)	2687 (134)
	5000LM	33.2	30K	4670 (141)	3613 (109)	4698 (141)	4056 (122)
			35K	4765 (143)	3686 (111)	4793 (144)	4138 (125)
			40K	5211 (157)	4032 (121)	5243 (158)	4526 (136)
			50K	5049 (152)	3906 (118)	5079 (153)	4385 (132)
	7000LM	46.3	30K	6304 (136)	4877 (105)	6342 (137)	5475 (118)
			35K	6432 (139)	4976 (107)	6470 (140)	5586 (121)
			40K	7035 (152)	5442 (118)	7077 (153)	6110 (132)
			50K	6815 (147)	5272 (114)	6856 (148)	5919 (128)
	9000LM	62.5	30K	8234 (132)	6370 (102)	8283 (133)	7151 (114)
			35K	8401 (134)	6499 (104)	8451 (135)	7296 (117)
			40K	9189 (147)	7108 (114)	9244 (148)	7980 (128)
			50K	8902 (142)	6887 (110)	8956 (143)	7732 (124)
L48	6000LM	39.5	30K	5598 (142)	4331 (110)	5632 (143)	4862 (123)
			35K	5712 (145)	4419 (112)	5746 (145)	4961 (126)
			40K	6247 (158)	4833 (122)	6285 (159)	5426 (137)
			50K	6053 (153)	4682 (118)	6089 (154)	5257 (133)
	10000LM	66.6	30K	9476 (142)	7331 (110)	9533 (143)	8230 (124)
			35K	9669 (145)	7480 (112)	9727 (146)	8397 (126)
			40K	10575 (159)	8181 (123)	10638 (160)	9184 (138)
			50K	10245 (154)	7926 (119)	10307 (155)	8898 (134)
	14000LM	90.0	30K	12570 (140)	9724 (108)	12645 (140)	10917 (121)
			35K	12825 (142)	9921 (110)	12901 (143)	11138 (124)
			40K	14027 (156)	10851 (121)	14111 (157)	12182 (135)
			50K	13590 (151)	10513 (117)	13671 (152)	11803 (131)
	18000LM	121.8	30K	16070 (132)	12432 (102)	16166 (133)	13957 (115)
			35K	16396 (135)	12684 (104)	16494 (135)	14240 (117)
			40K	17933 (147)	13873 (114)	18040 (148)	15575 (128)
			50K	17374 (143)	13441 (110)	17478 (143)	15089 (124)

* For 90CRI, reduce lumen output by 17.5%

** For WD reduce output by 5.9%, PGD reduce output by 10.8%

*** For DGXD reduce output by 7.1%, DBL reduce output by 11.4%

IMPACT RESISTANCE (IK RATINGS)

Component	Rating
Lens	
Poly (FPFL/FPCL)	IK10
Clear Glass (FGCL)	IK08
Frosted Glass (FGFL)	IK05

CSA LISTED AMBIENT RATING*

		Standard	E10WLCP Option	BE6WCP Option	XPA Sensor	r10/SBGR
L24	3000LM	65°C	5°C - 35°C	-20°C - 35°C	55°C	60°C
	5000LM	65°C	5°C - 35°C	-20°C - 35°C	55°C	60°C
	7000LM	60°C	5°C - 35°C	-20°C - 35°C	55°C	60°C
	9000LM	60°C	-	-	55°C	60°C
L48	6000LM	65°C	5°C - 35°C	-20°C - 35°C	50°C	60°C
	10000LM	65°C	5°C - 35°C	-20°C - 35°C	50°C	60°C
	14000LM	60°C	5°C - 35°C	-20°C - 35°C	50°C	60°C
	18000LM	60°C	-	-	50°C	50°C

*Minimum Ambient is -40°C unless noted

LUMEN MAINTENANCE*

		Operating Hours					
		0	15,000	30,000	45,000	60,000	100,000
L24	3000LM	100.0%	96.7%	94.1%	91.5%	88.9%	82.6%
	5000LM	100.0%	96.7%	94.1%	91.5%	88.9%	82.6%
	7000LM	100.0%	96.7%	94.1%	91.5%	88.9%	82.6%
	9000LM	100.0%	96.4%	93.8%	91.2%	88.7%	82.3%
L48	6000LM	100.0%	96.7%	94.1%	91.5%	88.9%	82.6%
	10000LM	100.0%	96.7%	94.1%	91.5%	88.9%	82.6%
	14000LM	100.0%	96.7%	94.1%	91.5%	88.9%	82.6%
	18000LM	100.0%	96.4%	93.7%	91.2%	88.6%	82.3%

*Data projected for 25°C ambient

AMBINET TEMPERATURE AND T-CODE

Length (foot)	lumen (lm)	Max Amb. Temp. (°C)	Supply Wire Temp. (°C)	Class I, Div. 2	Class II, Div. 2, Group F, G	Simultaneous Class I, Div. 2, Class II Div. 2, Group F, G; Class III
2ft/4ft	≤10,000	40°C	90°C	T6	T6	T6
		50°C		T6	T6	T6
		55°C		T5	T6	T5
		60°C		T5	T5	T5
4ft		65°C		T5	T5	T5
4ft	10,000< <18,000	40°C	90°C	T5	T6	T5
		50°C		T4A	T6	T4A
		55°C		T4A	T6	T4A
		60°C		T4A	T5	T4A

EMXH LED

Low-Profile Enclosed and Gasketed

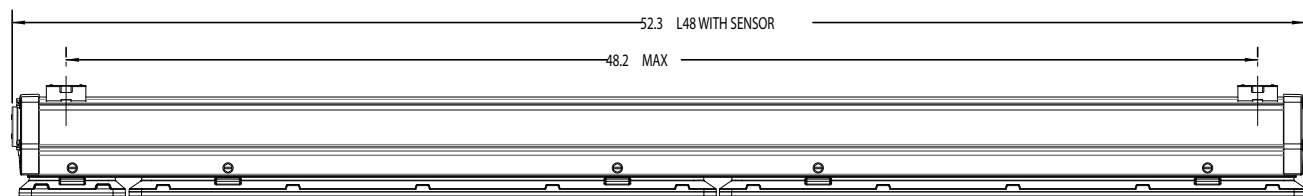
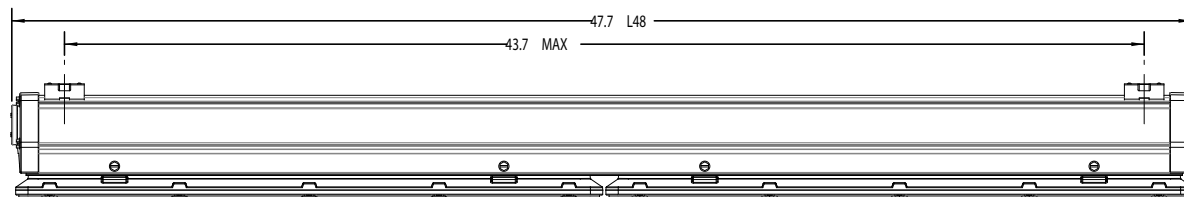
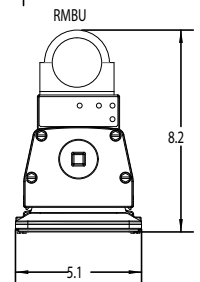
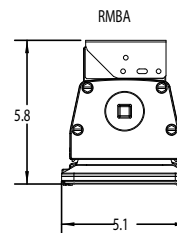
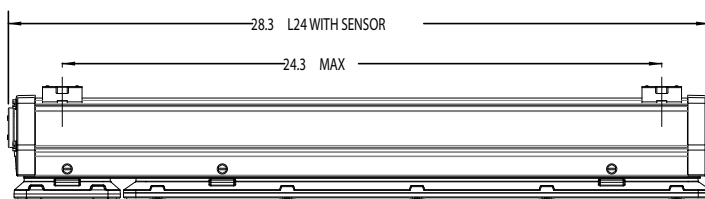
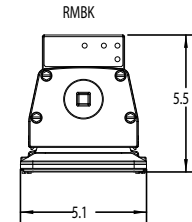
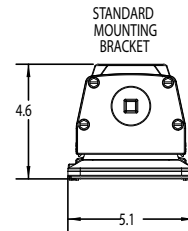
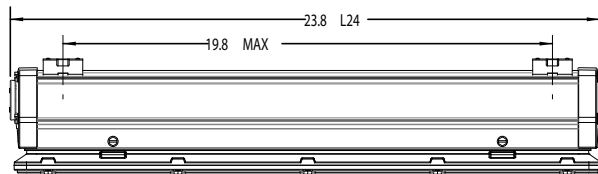
DIMENSIONS

Specifications subject to change without notice.
All dimensions are inches unless otherwise indicated.

CONFIGURATION WEIGHTS

	Standard	w/ Sensor	w/ Battery
L24	10.9 lbs	11.5 lbs	12.4 lbs
L48	19.4 lbs	20.0 lbs	20.9 lbs

Weight may vary with options and accessories



Standard Mount



(ceiling, suspended)

Rigid mount bracket (RMBK)



(ceiling, wall, suspended)

Angled rigid mount bracket (RMBA)



(angled)

Rigid mount U-bolt (RMBU)



(pole)