



**Class I, Div. 1 & 2, Groups C,D**  
**Class I, Zones 1 & 2, Groups IIB, IIA**  
**Class II, Div. 1 & 2, Groups E,F,G**  
**Class III, Div. 1 & 2**  
**Suitable for wet locations**  
**Marine**  
**NEMA 3, 4, 4X**  
**Factory Sealed**

 Listed - Files E10514 and E91793 (Marine)

 Certified - File LR11713

## FEATURES-SPECIFICATIONS

### HOSTILELITE®

#### Applications

HOSTILELITE® EM, EB, & EQ Series fixtures are designed for installations where moisture, dirt, dust, corrosion and vibration may be present, or NEMA 3 and 4x areas where wind, water, snow or high ambients can be expected. They can be used in locations made hazardous due to the presence of flammable or explosive gases, vapors and combustible dusts as defined by the NEC.

Applications include classified areas such as paint manufacturing plants, ammunition facilities, oil and gas producing and refining plants, off-shore and dockside installations, tank farms, pipeline pumping stations and marine loading and fuel transfer terminals.

#### Features:

- Four light sources—Incandescent, compact fluorescent, high pressure sodium and metal halide
- Mounting choice—Pendant, ceiling, 25° stanchion or 90° wall mount, all with “wireless” design that allows fast, easy fixture installation
- Factory sealed—No external seal needed. Simply wire mounting cap and thread on fixture to install
- Compact size—Medium base incandescent and HID lamps, plus PL fluorescent lamps allow smaller fixture design
- Corrosion resistant—Copper-free aluminum die-cast construction. Baked powder epoxy finish, electrostatically applied. Exposed hardware is 316 grade stainless steel

#### Accessories

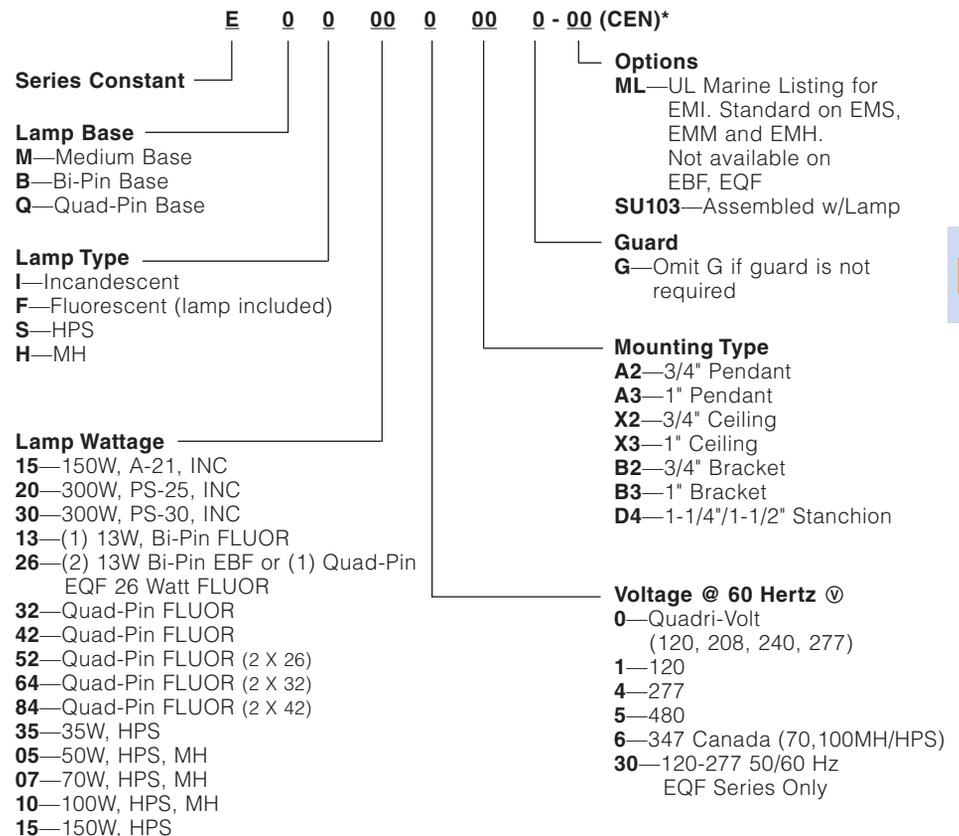
- Available with or without guard, standard dome or 25° angle reflector, exit sign and inner colored globes

#### Compliances

- UL-844 Electric Lighting Fixtures for use in Hazardous Locations
- UL Marine Type Electric Lighting Fixtures

- UL-1598 Standard for Fluorescent, Incandescent and HID fixtures
- CSA C22.2 no. 137-M1981 Electric Luminaires for use in Hazardous Locations
- NEMA 3, 4, 4X, 7CD, 9EFG

#### Catalog Number Logic



\*CEN (CENELEC) approval option available on certain models. See page L144 for more information.

Ⓞ Consult factory for available lamp and voltage combinations.



**KILLARK®**



EMI15/20/EBF



EMI30 & HID



Pendant



Ceiling



Wall Bracket



25° Stanchion

Listed - Files E10514 and E91793 (Marine)

Certified - File LR11713

### Housing, Globe and Globe Support Assemblies<sup>①</sup>

INCANDESCENT			
CATALOG NUMBER	LAMP TYPE	WATTS	VOLTS <sup>③</sup>
EMI15	A-19	60, 75	250 MAX. VAC
	A-19, A-21	100	
	A-21	150	
EMI20	A-23, PS-25	150	250 MAX. VAC
	A-23, PS-25	200	
	PS-25	300	
EMI30	PS-25	200	250 MAX. VAC
	PS-30	300	

FLUORESCENT with lamp(s)*			
CATALOG NUMBER	ANSI LAMP TYPE	WATTS	VOLTS
EBF131	Bi-Pin	13	120VAC
EBF134	Fluorescent		277VAC
EBF261	Bi-Pin	26 (2x13)	120VAC
EBF264	Fluorescent		277VAC
EQF2630	Quad Pin Fluorescent	26	120-277 VAC 50-60Hz
EQF3230		32	
EQF4230		42	
EQF5230		52 (2X26)	
EQF6430		64 (2X32)	
EQF8430		84 (2X42)	

HPS			
CATALOG NUMBER	ANSI LAMP TYPE	WATTS	VOLTS @60HZ.
EMS351	S-76	35	120
EMS050	S-68	50	Quadri-Volt
EMS070	S-62	70	Quadri-Volt
EMS075			480
EMS100	S-54	100	Quadri-Volt
EMS105			480
EMS151	S-55	150	120

METAL HALIDE			
CATALOG NUMBER	ANSI LAMP TYPE	WATTS	VOLTS @60HZ.
EMH050	M-110	50	Quadri-Volt
EMH070	M-98	70	Quadri-Volt
EMH100	M-90	100	Quadri-Volt

MOUNTING BOXES				
CATALOG NUMBER				HUB SIZE
PENDANT	CEILING	BRACKET	STANCHION	
EZA2	EZX2	EZB2	—	3/4"
EZA3	EZX3	EZB3	—	1"
—	—	—	EZD4*	1-1/4"/1-1/2**

\*1-1/2" furnished with 1-1/2"-1-1/4" reducer



**HIC-BEIGE**  
replacement  
wiring plug  
for EZBx  
Wall Bracket



**EZCUP**

Close up plug for EZ mounting boxes. Used for maintenance when fixture is removed for service.



**EMG1**



**EMG2**



**EAC<sup>®</sup>**



**Standard Dome**



**Angle Dome**

GUARDS		
CATALOG NUMBER	SERIES	LAMP TYPE
EMG1	EMI15	INC
	EMI20	INC
	EBF	Bi-Pin
	EQF (26, 32, 42)	Quad-Pin
EMG2	EMI30	INC
	EMS	HPS
	EMH	MH
	ESX	Strobe
	EQF (52, 64, 84)	Quad-Pin

REFLECTORS		
CATALOG NUMBER		SERIES
STANDARD DOME	ANGLE	
ERSD15	ERA15	EMI15/EMI20
		EBF
		EQF
ERSD30	ERA30	EMI30
		EMS
		EMH
		EQF (52, 64, 84)

Reflectors are aluminum with white finish.

Guards are cast of copper-free aluminum with electrostatically applied epoxy/polyester finish.

- ① Assemblies may be ordered with the CEN (CENELEC) suffix. See page L144 for more information.
- ② Adapters for discontinued Killark "H" Series and Crouse Hinds<sup>®</sup> available. See page L224 for more information.
- ③ UL fixture rating; socket rated 600V.

\* Consult factory for 52, 64 and 84 Watt availability.



### FACTORY SEALED

Class I, DIV. 1 BCD  
Class II, DIV. 1&2 EFG  
CLASS III  
NEMA 3, 4X IP66  
\*40°C ambient T3 Rated

PHOTO CELL FIELD KITS WITH HKB-GL BOX AND COVER	
CATALOG NUMBER	VOLTS
VMHKPC1	120VAC
VMHKPC2	208-277VAC
VMHKPC3	347VAC





Pendant



Ceiling



Wall

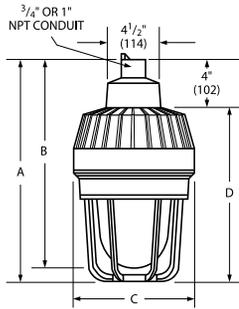


Stanchion

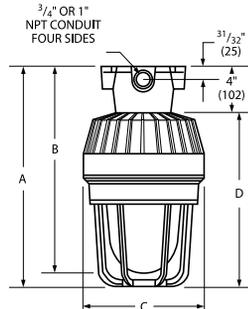
**FEATURES-SPECIFICATIONS**

EM/EMB/ESX DIMENSIONS															
SERIES	PENDANT				CEILING				WALL				STANCHION		
	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C
EMI15 EMI20 EBF13 EBF26	14-5/16" (363)	13-11/16" (346)	7-7/16" (188)	10-5/16" (261)	14-5/16" (363)	13-11/16" (347)	7-7/16" (188)	10-5/16" (261)	15-13/16" (385)	14-7/16" (366)	14-1/2" (369)	10-5/16" (26)	14" (256)	13-1/4" (337)	13" (330)
EQF to 42W EEQ	16-13/16" (427)	16-3/16" (411)	7-7/16" (188)	12-5/8" (321)	16-13/16" (427)	16-3/16" (411)	7-7/16" (188)	12-5/8" (321)	18-5/16" (465)	16-15/16" (430)	14-1/2" (368)	12-5/8" (321)	16-1/4" (413)	15-3/4" (400)	15-1/4" (387)
EMI30 EMH EMS ESX EQF 52, 64, 84	15-15/16" (404)	15-1/16" (382)	8-13/16" (224)	11-15/16" (303)	15-15/16" (404)	15-1/16" (382)	8-13/16" (224)	11-15/16" (303)	16-13/16" (426)	15-13/16" (404)	15" (379)	11-15/16" (303)	15-1/8" (384)	14" (356)	13-1/2" (343)

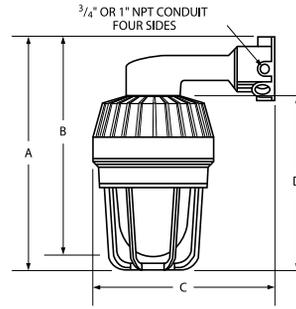
Pendant



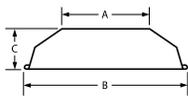
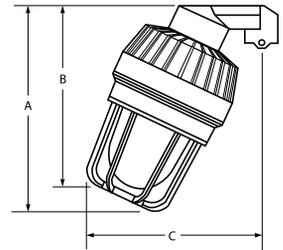
Ceiling



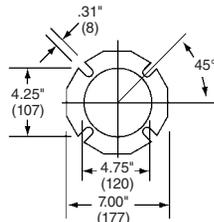
Wall



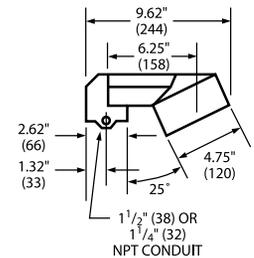
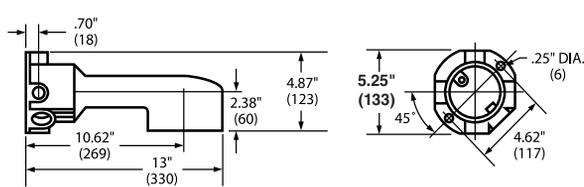
25° Stanchion



Standard Dome



Angle



**REFLECTOR DIMENSIONS**

SERIES	STANDARD DOME			ANGLE			
	A	B	C	A	B	C	D
EMI15/EMI20 EBF/EQF to 42W	7-3/8" (187)	14" (356)	3-3/4" (95)	7" (178)	11-1/2" (292)	7-3/4" (197)	1" (25)
EMI30/EMS EMH EQF 52, 64, 84	8-3/4" (222)	16-1/8" (409)	3-15/16" (100)	8-3/4" (222)	14-3/16" (360)	7-3/4" (197)	1" (25)





EM/EB/EQ HAZARDOUS LOCATION DATA-CLASS I, DIV. 1 & 2 <sup>① ②</sup>							
FIXTURE SERIES	LAMP TYPE/SIZE MAX.	LAMP WATTS	RATED AMBIENT °C	SUPPLY WIRE SUITABLE FOR °C MIN.	CLASS I, DIVISIONS 1 & 2 MAXIMUM SURFACE TEMPERATURE °C		
					UL/CSA		
					WITH OR WITHOUT REFLECTOR		
					TEMP. I.D.	ACTUAL TEMP.	UL/CSA GROUPS
EMI15	INC A-19	60	40	75	T6	79	C,D
			55	75	T6		C,D
			65	75	T4A		C,D
EMI15	INC A-19	75	40	75	T4A	103	C,D
			55	90	T4A		C,D
			65	90	T4		C,D
EMI15	INC A-19	100	40	75	T4A	103	C,D
			55	90	T4A		C,D
			65	90	T4		C,D
EMI15	INC A-21	100	40	75	T4A	101	C,D
			55	90	T4A		C,D
			65	90	T4		C,D
EMI15	INC A-21	150	40	75	T4	123	C,D
			55	90	T3C		C,D
			65	90	T3C		C,D
EMI20	INC A-23	100	40	90	T4A	107	C,D
			55	90	T4		C,D
			65	90	T4		C,D
EMI20	INC A-23	150	40	90	T4	132	C,D
			55	90	T3C		C,D
			65	111	T3C		C,D
EMI20	INC PS-25	150	40	90	T4	126	C,D
			55	110	T3C		C,D
			65	110	T3C		C,D
EMI20	INC A-23	200	40	90	T3C	146	C,D
			55	90	T3B		C,D
			65	110	T3A		C,D
EMI20	INC PS-25	200	40	90	T3C	154	C,D
			55	90	T3A		C,D
			65	110	T3A		C,D
EMI20	INC PS-25	300	40	90	T3	190	C,D
			55	110	T2D		C,D
			65				C,D
EMI30	INC PS-25	200	40	110	T3C	146	C,D
			55	110	T3B		C,D
			65	125	T3A		C,D
EMI30	INC PS-25	300	40	110	T3C	143	C,D
			55	110	T3B		C,D
			65	125	T3A		C,D
EMI30	INC PS-30	200	40	110	T3C	146	C,D
			55	110	T3B		C,D
			65	125	T3A		C,D
EMI30	INC PS-30	300	40	110	T3C	146	C,D
			55	110	T3B		C,D
			65	125	T3A		C,D
EBF13	1 13W Bi-Pin	13	40	75	T6	62	C,D
			55	90	T6		C,D
			65	90	T5		C,D
EBF26	2 13W Bi-Pin	26	40	75	T6	62	C,D
			55	90	T6		C,D
			65	90	T5		C,D
EQF26	1 26W Quad-Pin	26	40	75	T6	75	C,D
EQF32	1 32W Quad-Pin	32	40	75	T6	75	C,D
EQF42	1 42W Quad-Pin	42	40	75	T6	75	C,D
EQF52	2 26W Quad-Pin	52	40	75	T6	85	C,D
EQF64	2 32W Quad-Pin	64	40	75	T6	85	C,D
EQF84	2 42W Quad-Pin	84	40	75	T6	85	C,D
EMS35	HPS S-70	35	40	75	T6	65	C,D
			55	90	T5		C,D
			65	90	T4A		C,D
EMS05	HPS S-68	50	40	75	T6	68	C,D
			55	75	T6		C,D
			65	90	T5		C,D
EMS07	HPS S-62	70	40	75	T6	83	C,D
			55	90	T5		C,D
			65	90	T4A		C,D
EMS100	HPS S-54	100	40	75	T5	99	C,D
			55	90	T4A		C,D
			65	110	T4A		C,D
EMS151	HPS S-55	150	40	75	T4A	119	C,D
			55	90	T4		C,D
			65	110	T3C		C,D
EMH05	MH M-110	50	40	75	T6	78	C,D
			55	90	T5		C,D
			65	110	T4A		C,D
EMH07	MH M-98	75	40	75	T5	95	C,D
			55	90	T4A		C,D
			65	110	T4A		C,D
EMH100	MH M-90	100	40	75	T4A	101	C,D
			55	90	T4		C,D
			65	110	T3C		C,D

① Do not install where marked operating temperature exceeds ignition temperature of hazardous atmosphere.

② See Class II table for simultaneous presence ratings.

# HOSTILE<sup>ITE</sup>

## CEN Option

### Applications

Killark EM/EB/ESX series fixtures are available with a European "Certificate of Conformity" from PTB (Physikalisch-Technische Bundesanstalt), the approval agency based in Germany. Fixtures with this rating will be useful for Original Equipment Manufacturers and others who build and ship apparatus into European markets.

This approval is granted by PTB with the use of a special ground lug and label. Fixtures carrying an EEx d IIB approval are automatically granted an IP54 (ingress protection) rating. See Temperature Code chart below for PTB certified ratings. Killark EM/EB/ESX fixtures with the PTB rating and labels still carry all UL & CSA ratings.

Fixture housing/globe/globe support assemblies (e.g. EM120 CEN) may be ordered with the CEN suffix. Complete fixture numbers, with the CEN suffix, will be shipped with the mounting boxes, guards and accessories as component parts. Reflectors and other accessory parts, as listed on pages L123-124, may be used. Killark fixtures are NPT tapped and plugged with at least one conduit hole open.

### Compliances

- EN 50014:1992
- EN 50018:1994

**EEx d IIB T6 (or T5-T2)**

**PTB No. Ex-98.E.1076**

MAXIMUM AMBIENT TEMPERATURE RANGE -20°C TO 40°C				
TYPE OF LUMINAIRE	TYPE OF ENCLOSURE	FORM OF THE LAMP	MAXIMUM WATTAGE	TEMPERATURE CLASS
EMI15	EM020	A-19/A-21	150W	T4
EMI20	EM020	A-23/PS-25	300W	T3
EMI30	EM030	PS-25/PS-30	300W	T2
EMH05	EM030	BD17/M-110	50W	T6
EMH07	EM030	BD17/M-98	70W	T5
EMH10	EM030	BD17/M-90	100W	T4
EMS35	EM030	ED17/S-76	35W	T6
EMS05	EM030	ED17/S-68	50W	T6
EMS07	EM030	ED17/S-62	70W	T5
EMS10	EM030	ED17/S-54	100W	T5
EMS15	EM030	ED17/S-55	150W	T4
EBF13	EM020	PL13	13W	T6
EBF26	EM020	PL13	26W	T6
ESX( )120	EM030	120V AC	0.17 A	T6
ESX( )240	EM030	240V AC	0.12 A	T6
ESX( )1274	EM030	12 TO 74 V DC	1.25 TI 0.2 A	T6





**EM/EB/EQ HAZARDOUS LOCATION DATA—CLASS II, III, DIVISIONS 1 & 2 ① ②**

FIXTURE SERIES	LAMP TYPE/SIZE MAX.	LAMP WATTS	RATED AMBIENT °C	SUPPLY WIRE SUITABLE FOR °C MIN.	CLASS II, DIV. 1 & 2 MAXIMUM SURFACE TEMPERATURE °C				UL/CSA GROUPS	CLASS III DIV. 1 & 2 UL/CSA SUITABILITY	UL MARINE LISTED <sup>3</sup>	U.L. PAINT SPRAY SUITABILITY	UL/CSA TYPE 3 (RAIN-TIGHT)	UL/CSA TYPE 4 (HOSE-DOWN) <sup>3</sup>	
					UL/CSA WITHOUT REFLECTOR		UL/CSA WITH REFLECTOR								
					TEMP. I.D.	ACTUAL TEMP. °C	TEMP. I.D.	ACTUAL TEMP. °C							
EMI15	INC A-19	60	40	75	T3C	132	T3C	132	E,F,G	YES	YES	NO	YES	YES	
			55	75	T3A				E,F	NO	YES	NO	YES	YES	
			65	75	T3A				E,F	NO					
EMI15	INC A-19	75	40	75	T3A	163	T3A	162	E,F	NO	YES	NO	YES	YES	
			55	90	T3A				E,F	NO	YES	NO	YES	YES	
			65	90	T3A				E,F	NO	YES	NO	YES	YES	
EMI15	INC A-19	100	40	75	T3A	163	T3A	162	E,F	NO	YES	NO	YES	YES	
			55	90	T3A				E,F	NO	YES	NO	YES	YES	
			65	90	T3A				E,F	NO	YES	NO	YES	YES	
EMI15	INC A-21	100	40	75	T3A	172	T3A	172	E,F	NO	YES	NO	YES	YES	
			55	90	T3				E,F	NO	YES	NO	YES	YES	
			65	90	T3				E,F	NO	YES	NO	YES	YES	
EMI15	INC A-21	150	40	75	N/A	192	T3	192	E,F	NO	YES	NO	YES	YES	
			55		N/A										
			65		N/A										
EMI20	INC A-23	100	40	90	T3A	166	T3A	166	E,F	NO	YES	NO	YES	YES	
			55	90	T3				E,F	NO	YES	NO	YES	YES	
			65		N/A										
EMI20	INC A-23	150	40	90	T3	196	T3A	178	E,F	NO	YES	NO	YES	YES	
			55	90	T3				E,F	NO	YES	NO	YES	YES	
			65		N/A										
EMI20	INC PS-25	150	40	90	N/A	N/A	N/A	N/A	NO	NO	YES	NO	YES	YES	
			55		N/A										
			65		N/A										
EMI20	INC A-23	200	40	90	N/A	N/A	N/A	N/A	NO	NO	YES	NO	YES	YES	
			55		N/A										
			65		N/A										
EMI20	INC PS-25	200	40	90	N/A	N/A	N/A	N/A	NO	NO	YES	NO	YES	YES	
			55		N/A										
			65		N/A										
EMI20	INC PS-25	300	40	90	N/A	N/A	N/A	N/A	NO	NO	YES	NO	YES	YES	
			55		N/A										
			65		N/A										
EMI30	INC PS-25	200	40	110	N/A	N/A	N/A	N/A	NO	NO	YES	NO	YES	YES	
			55		N/A										
			65		N/A										
EMI30	INC PS-25	300	40	110	N/A	N/A	N/A	N/A	NO	NO	YES	NO	YES	YES	
			55		N/A										
			65		N/A										
EMI30	INC PS-30	200	40	110	N/A	N/A	N/A	N/A	NO	NO	YES	NO	YES	YES	
			55		N/A										
			65		N/A										
EMI30	INC PS-30	300	40	110	N/A	N/A	N/A	N/A	NO	NO	YES	NO	YES	YES	
			55		N/A										
			65		N/A										
EBF13	1 13W Bi-Pin	13	40	75	T6	69	T6	66	E,F,G	YES	NO	YES	YES	YES	
			55	90	T6				E,F,G	YES	NO	YES	YES	YES	
			65	90	T5				E,F,G	YES	NO	YES	YES	YES	
EBF26	2 13W Bi-Pin	26	40	75	T6	69	T6	66	E,F,G	YES	NO	YES	YES	YES	
			55	90	T6				E,F,G	YES	NO	YES	YES	YES	
			65	90	T5				E,F,G	YES	NO	YES	YES	YES	
EQF26	126W Quad-Pin	26	40	75	T4	135	T4	135	E,F,G	YES	NO	YES	YES	YES	
			55												
			65												
EQF32	132W Quad-Pin	32	40	75	T4	135	T4	135	E,F,G	YES	NO	YES	YES	YES	
			55												
			65												
EQF42	142W Quad-Pin	42	40	75	T4	135	T4	135	E,F,G	YES	NO	YES	YES	YES	
			55												
			65												
EQF52	226W Quad-Pin	52	40	75	T4	135	T4	135	E,F,G	YES	NO	YES	YES	YES	
			55												
			65												
EQF64	232W Quad-Pin	64	40	75	T4	135	T4	135	E,F,G	YES	NO	YES	YES	YES	
			55												
			65												
EQF84	242W Quad-Pin	84	40	75	T4	135	T4	135	E,F,G	YES	NO	YES	YES	YES	
			40	75	T4A	116	T4A	116	E,F,G	YES	YES	YES	YES	YES	
			55		N/A										
EMS35	HPS S-70	35	40	75	N/A										
			55		N/A										
			65		N/A										
EMS05	HPS S-68	50	40	75	T4A	116	T4A	116	E,F,G	YES	YES	YES	YES	YES	
			55	75	T4				E,F,G						
			65	90	T3C				E,F,G						
EMS07	HPS S-62	70	40	75	T4A	116	T4A	116	E,F,G	YES	YES	YES	YES	YES	
			55	90	T4				E,F,G	YES	YES	YES	YES	YES	
			65	90	T3C				E,F,G	YES	YES	YES	YES	YES	
EMS100	HPS S-54	100	40	75	T3B	161	T3B	161	E,F,G	YES	YES	NO	YES	YES	
			55		N/A										
			65		N/A										
EMS150	HPS S-55	150	40	75	T3A	180	T3B	180	E,F	NO	YES	NO	YES	YES	
			55	90	T3				E,F	NO	YES	NO	YES	YES	
			65		N/A										
EMH05	MH M-110	50	40	75	T4	121	T4	121	E,F,G	YES	YES	YES	YES	YES	
			55	90	T3C				E,F	NO	YES	YES	YES	YES	
			65	110	T3B				E,F,G	NO	YES	YES	YES	YES	
EMH07	MH M-98	70	40	75	T4	121	T4	121	E,F,G	YES	YES	YES	YES	YES	
			55	90	T3C				E,F,G	YES	YES	YES	YES	YES	
			65	110	T3B				E,F,G	YES	YES	YES	YES	YES	
EMH100	MH M-90	100	40	75	T3C	153	T3C	153	E,F,G	YES	YES	NO	YES	YES	
			55	90	T3A				NO	YES	YES	NO	YES	YES	
			65		N/A										

① Do not install where marked operating temperature exceeds ignition temperature of hazardous atmosphere.  
 ② Fixtures rated for simultaneous presence as shown in Class II table (unless marked with N/A).  
 ③ For UL-Marine and UL/CSA Type 4 listing add suffix "ML" to "EMI" Series fixture catalog number; standard on "EMS" and "EMH" series. Not available on "EBF", or "EQF" series.

