EXPLOSION-PROOF – INTRODUCTION & LOGIC

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
Suitable for Paint Spray Booth
Marine Rated (US only)
Type 3, 4, 4X
Factory Sealed

Certified - File LR11713

HOSTILE*LITE*® LED

FEATURES-SPECIFICATIONS

Applications

HostileLite® EML LED Series fixtures are designed for installations where moisture, dirt, dust, corrosion and vibration may be present, or Type 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.

Compliances

- UL-8750 for LED lighting
- UL-844 Electric Lighting Fixtures for use in Hazardous Locations
- UL Marine Type Electric Lighting Fixtures
- CSA C22.2 no. 137-M1981 Electric Luminaires for use in Hazardous Locations
- Type 3, 4, 4X, 7CD, 9EFG

Materials

- Housing, splice box and guards corrosion resistant copper-free aluminum alloy
- Baked powder epoxy/polyester finish, electorstatically applied for complete, uniform corrosion protection
- All external hardware – Stainless Steel
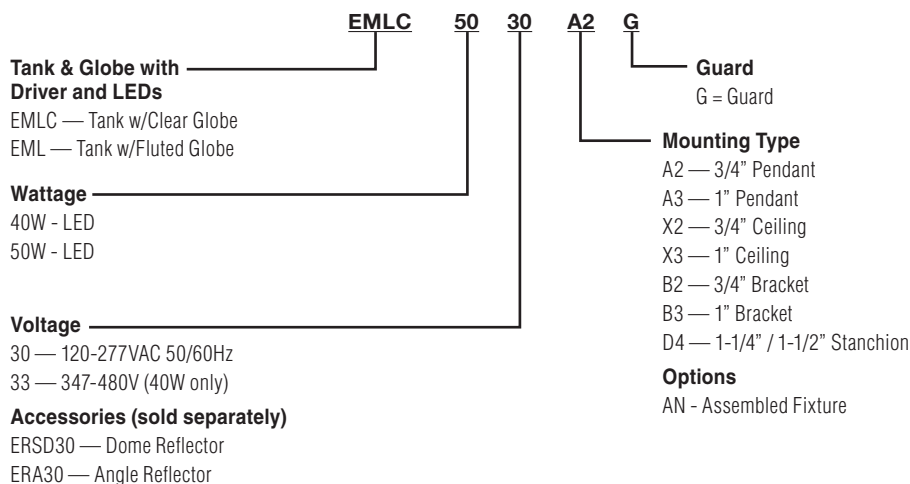- Reflectors are aluminum with white finish

LED Luminaire Features and Standards

- Compact Explosion-proof with Traditional Industrial Appearance and Suitability
- Fluted or Exclusive Clear Globe; Dome or Angle Reflectors
- Optional Mounting arrangements including Pendant, Wall, Ceiling, and Stanchion
- EML LED Housings can be retrofitted to existing EZ splice boxes; upgrade from Incandescent, Fluorescent or HID
- Energy Savings – Less than 55 Watts of Power
- LED Array Life – 100,000+ hours with 70% initial lumens
- Long Fixture Life – 50,000 - 55,000 maintenance free hours

- Crisp White Light for Excellent Color Rendering – Chromaticity 5000K (CCT range; approx. 70 CRI
- Ambient suitability -40°C to 55°C
- Instant on – Including after power interruption
- "World Voltage" 120-277VAC 50/60Hz
- Solder-LESS LED Board Connections – Vibration Resistant
- Factory Sealed Construction – No external seal required, simply wire mouting cap and thread-in fixture to install

Suitable for Paint Spray Booth Applications

Catalog Number Logic

EMLC   50   30   A2   G

Tank & Globe with Driver and LEDs
EMLC — Tank w/Clear Globe
EML — Tank w/Fluted Globe

Wattage
40W - LED
50W - LED

Voltage
30 — 120-277VAC 50/60Hz
33 — 347-480V (40W only)

Accessories (sold separately)
ERSD30 — Dome Reflector
ERA30 — Angle Reflector

Guard
G = Guard

Mounting Type
A2 — 3/4" Pendant
A3 — 1" Pendant
X2 — 3/4" Ceiling
X3 — 1" Ceiling
B2 — 3/4" Bracket
B3 — 1" Bracket
D4 — 1-1/4" / 1-1/2" Stanchion

Options
AN - Assembled Fixture

LIGHTING

EXPLOSION-PROOF – ORDERING INFORMATION

Pendant

Ceiling

Wall

Stanchion

ORDERING INFORMATION

EML SERIES PENDANT WITH OPTIC AND GUARD				
WATTS	HUB SIZE	VOLTAGE	FLUTED GLOBE & GUARD	CLEAR GLOBE & GUARD
40	3/4"	120-277VAC	EML4030A2G	EMLC4030A2G
50	3/4"	120-277VAC	EML5030A2G	EMLC5030A2G

EML SERIES CEILING WITH OPTIC AND GUARD				
WATTS	HUB SIZE	VOLTAGE	FLUTED GLOBE & GUARD	CLEAR GLOBE & GUARD
40	3/4"	120-277VAC	EML4030X2G	EMLC4030X2G
50	3/4"	120-277VAC	EML5030X2G	EMLC5030X2G

EML SERIES WALL WITH OPTIC AND GUARD				
WATTS	HUB SIZE	VOLTAGE	FLUTED GLOBE & GUARD	CLEAR GLOBE & GUARD
40	3/4"	120-277VAC	EML4030B2G	EMLC4030B2G
50	3/4"	120-277VAC	EML5030B2G	EMLC5030B2G

EML SERIES 25° STANCHION WITH OPTIC AND GUARD				
WATTS	HUB SIZE	VOLTAGE	FLUTED GLOBE & GUARD	CLEAR GLOBE & GUARD
40	1-1/4"/1-1/2"	120-277VAC	EML4030D4G	EMLC4030D4G
50	1-1/4"/1-1/2"	120-277VAC	EML5030D4G	EMLC5030D4G

EML SERIES

KILLARK

EXPLOSION-PROOF – COMPONENTS & RATINGS

Pendant **Ceiling** **Wall Bracket** **25° Stanchion** **EMG2** **Factory Sealed Photocell VMHKPC1**

ERSD30 Standard Dome

ERA30 Angle Dome

EMGS3 EMGS2

EAC/EACH

EML4530 EMLC4530

EZ MOUNTING BRACKETS				
CATALOG NUMBER				**HUB SIZE**
PENDANT	**CEILING**	**WALL**	**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

EML - EMLC LED ACCESSORIES	
DESCRIPTION	**CATALOG NUMBER**
Guard	**EMG2**
Dome Reflector	**ERSD30**
Angle Reflector	**ERA30**
CIDI C2D1 N4X Photocell 120VAC	**VMHKPC1**
CIDI C2D1 N4X Photocell 208-277VAC	**VMHKPC2**
Replacement Fluted Globe & Support	**EMGS3**
Replacement Clear Globe & Support	**EMGS2**
Adapter to old Killark "H" Series or Crouse Hinds®	**EAC/EACH**

ORDERING INFORMATION AND AMBIENT SUITABILITY							C1D1/C1Z1		C2D1		L70	
CATALOG NO.	**WEIGHT LBS./KG**	**WATTS**	**VOLTAGE**	**AMPS**	**EML FLUTTED LUMENS**	**EMLC CLEAR LUMENS**	**40°C**	**55°C**	**40°C**	**55°C**	**TM-21**	**CALCULATED**
EML4030	26.00 / 11.79	40	120-277VAC	0.46-0.16	3479	3750	T6	T6	T4A (EFG)	T4 (EFG)	60100	270000
EML4033			347-480VAC	0.14-0.10								
EML5030		50	120-277VAC	0.43-0.18	5740	5741	T6	T6	T4A (EFG)	T4 (EFG)	72600	278000

TYPICAL WEIGHTS (LBS.) W/STANDARD GLOBE AND GUARD - EML (C) SERIES			
Pendant 29.33	Ceiling 31.79	Wall 33.25	Stanchion 30.94

EXPLOSION-PROOF – DIMENSIONS & WEIGHTS

Pendant

Ceiling
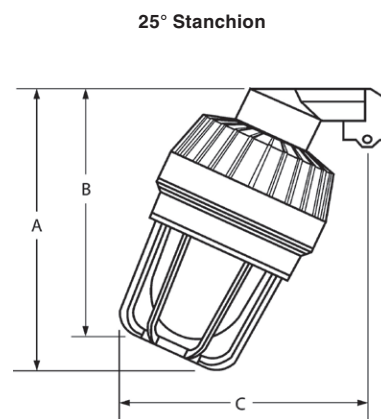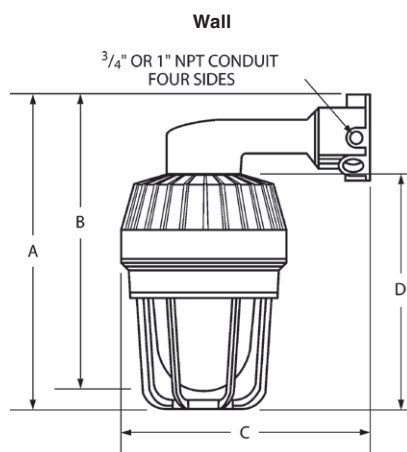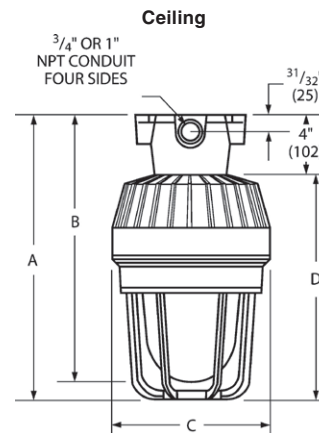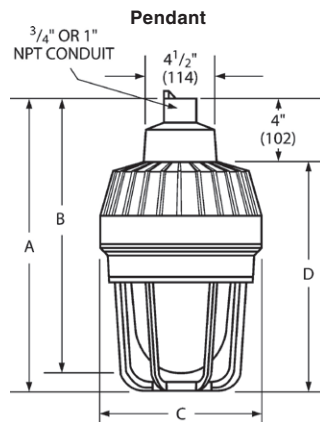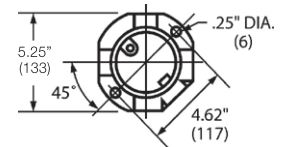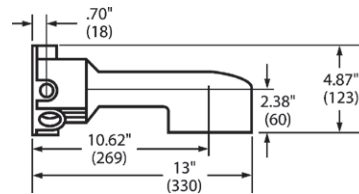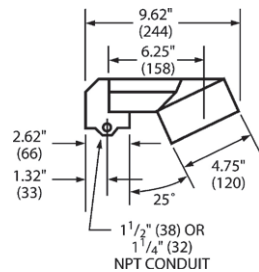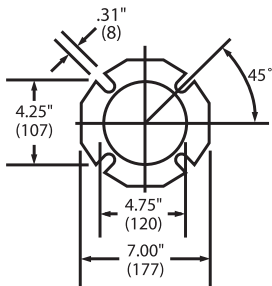
Wall

25° Stanchion

EML(C) DIMENSIONS				
TYPE	**A**	**B**	**C**	**D**
PENDANT	15-15/16" (404)	15-1/16" (382)	8-13/16" (224)	11-15/16" (303)
CEILING	15-15/16" (404)	15-1/16" (382)	8-13/16" (224)	11-15/16" (303)
WALL	16-13/16" (426)	15-15/16" (404)	15" (379)	11-15/16" (303)
STANCHION	15-1/8" (384)	14" (356)	13-1/2" (343)	