



Introduction



MBLX

Class I, Division 2, Group A, B, C, and D; T5
Class I, Zone 2, Groups IIC, IIB, IIA; (US only)
Class II, Division 1, Groups E, F, and G
Class III.
Suitable for wet locations
Marine Rated (US only)
Type 4X, IP66



FILE LR1728

WMBLX

Suitable for wet locations
(Indoor and Outdoor)
Marine Rated (US only)
Type 4X, IP66



FILE LR3521

ATEX :
MBLX "ec"
QPS25ATEX7002X
II 3 G, Ex ec IIC T4/T3 Gc

MBLX "tb"
QPS25ATEX5003X
II 2 D Ex tb IIIC T135 Db, IP66

IECEX : QPS 25.0010
Standard Version
Ex ec IIC Gc T5
Ex td IIIC Db T135
Tamb: -40°C to 55°C (Standard Version).

Battery Backup Version
Ex ec IIC Gc T5
Ex td IIIC Db T135
Tamb: -20°C to 40°C (Battery Backup Version)

Rated ambient temperature range (°C):
Tamb: -40°C to 55°C
(Standard Version).
Tamb: -20°C to 40°C
(Battery Backup Version)

Features-Specifications

Features

- Compact size low bay fixture for low mounting heights or confined space areas
- Light weight, shallow depth and diameter
- Variety of mounting methods including ceiling, pendant, wall, and stanchion mounting
- MBLX fixture housings can be retrofitted to existing MB series splice boxes
- Energy Savings with up to 143 lumens/watt
- Warm and Cool LED color options
- Patented thermal foldback protection included as standard
- Emergency Battery backup options

Materials

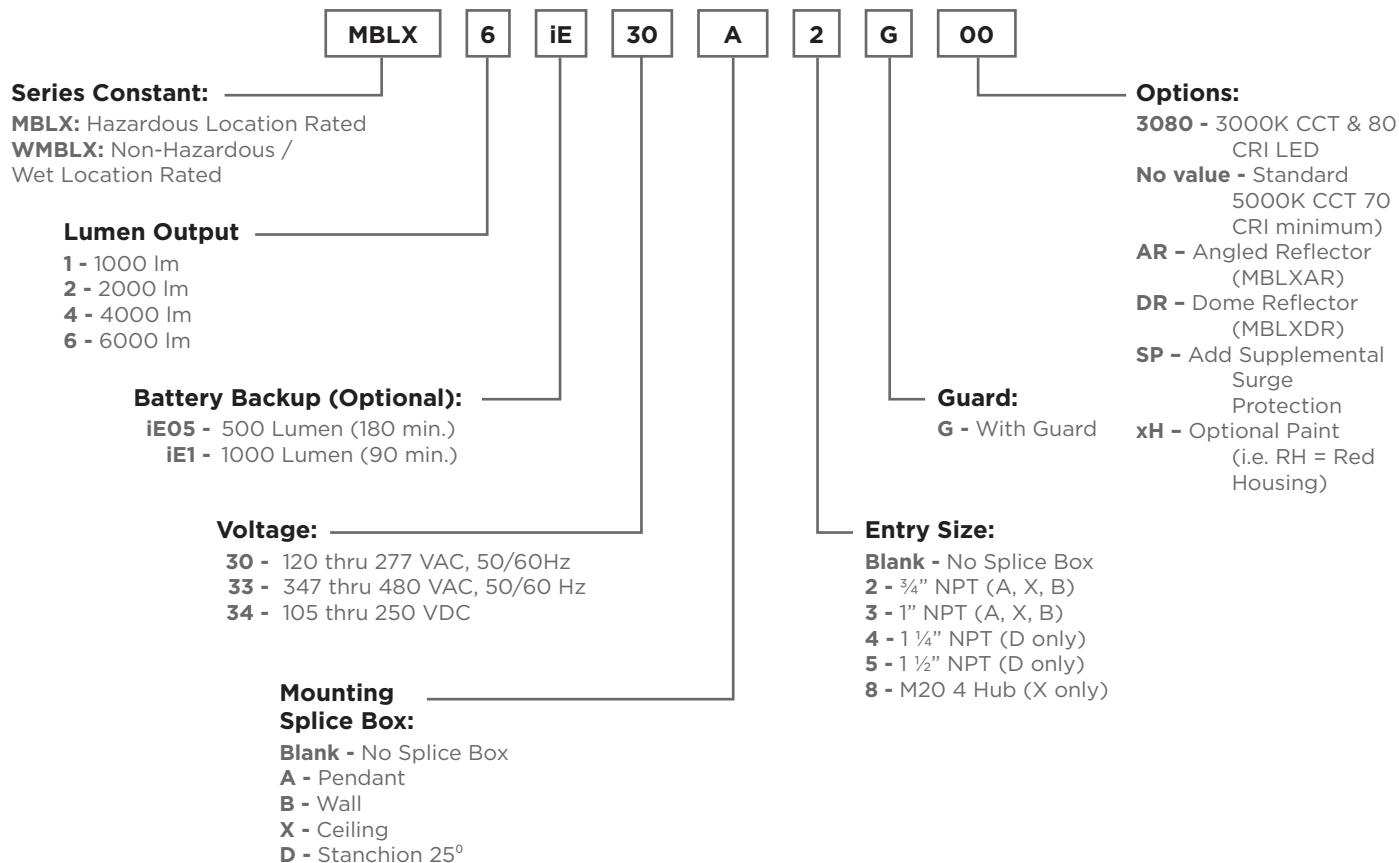
- Die-cast fixture housing and guard made from corrosion resistant copperfree aluminum alloy
- Tempered glass globe
- Baked Powder epoxy/polyester finish, electrostatically applied for complete, uniform corrosion protection
- Die-cast aluminium mounting splice boxes
- All stainless steel external hardware
- White polycarbonate reflectors
- Battery Type: Lithium iron phosphate (LiFePO4)

Electrical Ratings:

- 120-277 VAC 50/60Hz
- 377-480 VAC 50/60Hz
- 105-250 VDC
- Surge protection: 6kV standard
- Optional supplementary 20KA/10KV (120-277VAC), 10KA/10KV (347-480VAC) surge protection available

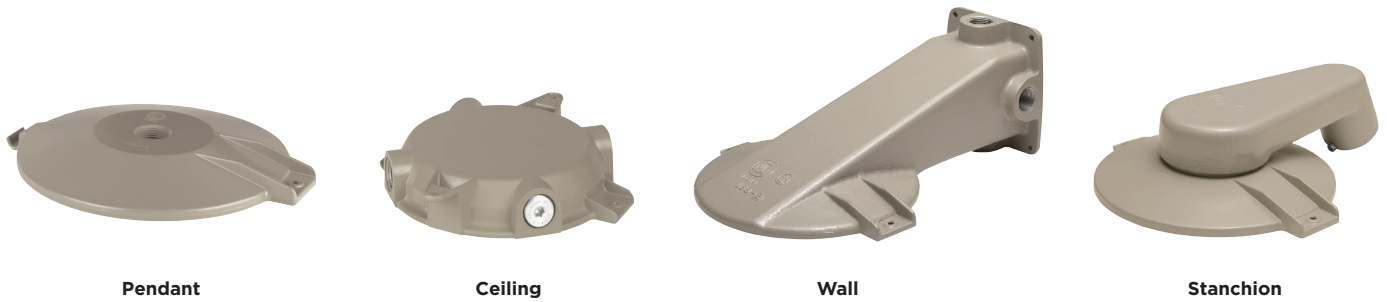


Catalog Logic



Temperature Ratings / Ambient Suitability

Catalog Number	Weight	Watts	Hz.	Primary Volts	Oper. Amps.	Delivered Lumens	40 °C Class I Div. 2 Oper. Temp.	40 °C Class II Div. 1 Oper. Temp.	40 °C Supply Wire Temp.	55 °C Class I Div. 2 Oper. Temp.	55 °C Class II Div. 1 Oper. Temp.	55 °C Supply Wire Temp	Ambient Temp °C
MBLX130	6.0 LBS.	10	50/60	120-277	.08-.04	1212	T6	T6	75	T5	T5	90	55
MBLX133			50/60	347-480	.03-.02		T6	T6	75	T5	T5	90	55
MBLX134			50/60	120-277VAC/125-250VDC	.08-.04		T6	T6	75	T5	T5	90	55
MBLX230		14	50/60	120-277	.12-.05	2000	T6	T6	75	T5	T5	90	55
MBLX233			50/60	347-480	.04-.03		T6	T6	75	T5	T5	90	55
MBLX234			50/60	120-277VAC/125-250VDC	.11-.06		T6	T6	75	T5	T5	90	55
MBLX430		27	50/60	120-277	.23-.10	3868	T6	T6	75	T5	T5	90	55
MBLX433			50/60	347-480	.08-.06		T6	T6	75	T5	T5	90	55
MBLX434			50/60	120-277VAC/125-250VDC	.22-.11		T6	T6	75	T5	T5	90	55
MBLX630		46	50/60	120-277	.38-.17	6210	T6	T6	75	T5	T5	90	55
MBLX633			50/60	347-480	.13-.10		T6	T6	75	T5	T5	90	55
MBLX634			50/60	120-277VAC/125-250VDC	.37-.18		T6	T6	75	T5	T5	90	55



MB MOUNTING BRACKETS				
CATALOG NUMBER				HUB SIZE
PENDANT	CEILING	WALL	STANCHION	
MBA-2	MBX-2	MBB-2	—	3/4"
MBA-3	MBX-3	MBB-3	—	1"
—	MBX-8	—	—	M20
—	—	—	MBD-4	1-1/4"
—	—	—	MBD-5	1-1/2"

Accessories



MBLXAR

MBLX PC Angle Reflector



MBLXDR

MBLX PC Dome Reflector



MBLXGL

MBLX Glass Globe



MBLXGRD

MBLX Guard



Self-Testing Battery Backup



Electronics Includes:

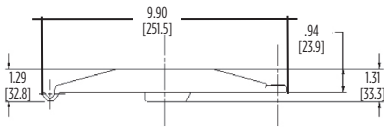
- Self-diagnostics monitors LED status, LED driver circuit, battery capacity and charger function and displays any fault detection by means of a flashing code
- Self-test feature automatically runs a 1 minute test once a month and an alternating 30-60 minute test once every 6 months. LED indicator provides visible fault detection and charging status
- User initiated 1 or 90-minute system test feature
- 15 minute re-transfer delay
- Automatic unit transfer in brown-out conditions (below 80% of nominal AC input voltage)
- 90 or 180 minute run time options.

Test Switch Indicator Status

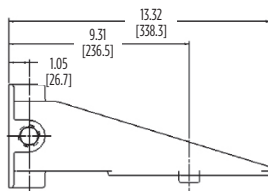
LED Indicators Status	EM Driver Status / Mode
Solid Green	Sysern OVAC OK (Self-diagnostic Enabled or Disabled.)
Slow Flashing Red, 4s on/1s off	Battery not detected, check battery switch or connection.
flashing Red, 1s on/1s off	Battery Failure. replace battery.
Flashing Green, 1s on/1s off	Self Diagnostic test underway.
Fast Flashing Red, 0.1s on/0.1s off	Abnormal driver performance, replace driver.
Very Slow Flashing Red, 4s on/4s off	Over temperature.
None. Both LEDs OFF	Normal working in EM mode.
Green/Red alternative flashing, 1s green/1s red	No load or output over voltage protection triggered.



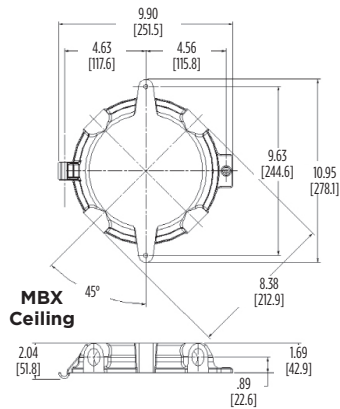
Dimensions



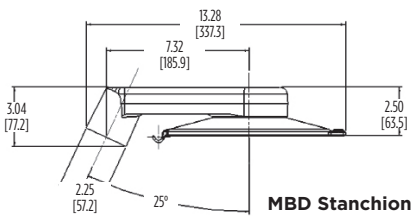
MBA Pendant



MBB Wall Mount



MBX Ceiling



MBD Stanchion

