



Class I, Div. 2, Groups A,B,C,D
Class I, Zone 2, Groups IIC, IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III
Suitable for wet locations
Marine
NEMA 3, 4X



FEATURES-SPECIFICATIONS

CERTILITE® LED

Applications

CERTILITE® MBL LED 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 by the presence of flammable vapors or gases or combustible dusts as defined by the NEC.

Typical applications include manufacturing plants, and certain chemical and petrochemical processing facilities, sewage treatment plants, off-shore and dockside installations, garages and storage facilities.

Compliances

- UL-8750 for LED lighting
- UL Marine type lighting fixtures (HID models) UL-844 Standard for lighting fixtures for hazardous locations, Class I, Division 2; Class II, Divisions 1 and 2; Class III
- CSA C22.2 no. 137-M1981 electric luminaires for use in hazardous locations
- Enclosed and gasketed
- NEMA 3, 4X

Materials

- Ballast tank, splice box and guards (MBAG, VMAG) corrosion resistant copper-free aluminum alloy
- Baked powder epoxy/polyester finish, electrostatically applied for complete, uniform corrosion protection
- All external hardware - stainless steel
- Reflectors - Polyester reinforced fiberglass

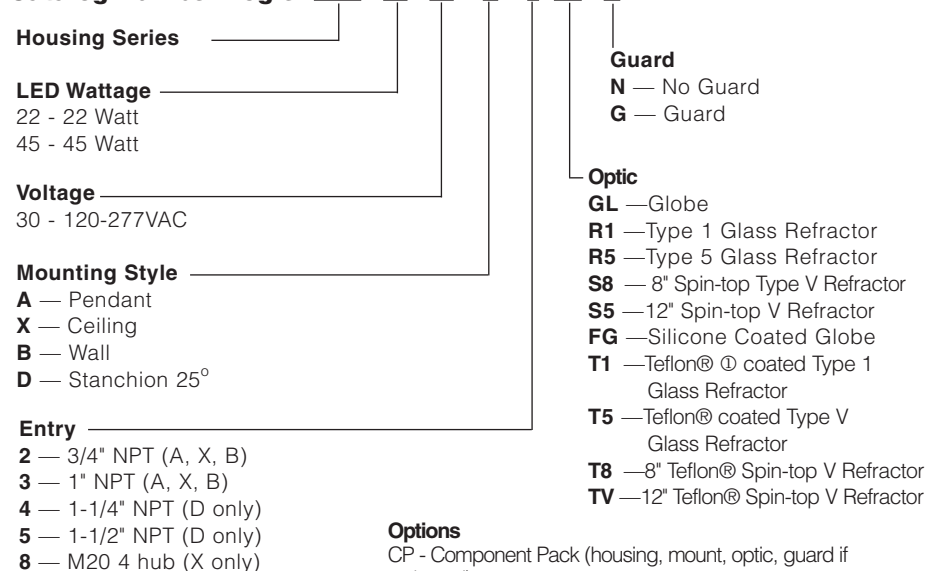
LED Luminaire Features and Standards

- Compact in Size with Traditional Industrial Appearance and Suitability
- Wide variety of optics including globes, globes with reflectors, all-glass refractors, and spin-top refractors
- Optional Mounting arrangements including Pendant, Wall, Ceiling, and Stanchion
- MBL LED Housings can be retrofitted to existing MB splice boxes; upgrade from Fluorescent or HID
- Energy Savings - less than 50 Watts of Power; 25 Watts for MBL2230
- Long Life - 50,000 - 60,000 maintenance free hours to 70% initial lumens
- Crisp White Light for Excellent Color Rendering - Chromaticity 5000°K (CCT); 70 CRI

- Ambient suitability -40°C to 40°C (to 55°C for MBL2230)
- Instant on - including after power interruption
- "World Voltage" 120-277VAC 50/60Hz
- Solder-LESS LED Board Connections - Vibration Resistant
- Dual Drivers - Redundant Systems (built-in backup), or for additional energy savings half of MBL4530 can be turned off
- LM80-08* Measurement of lumen maintenance for LED light sources
- LM79-08* Certified "Absolute" Photometry, including Chromaticity Color for Solid State Lighting
- L70 Values - Industry Nomenclature for Hours of use to 70% of Initial Lumens

* LM-xx are Illumination Engineering Society Standards designed to promote uniformity in testing procedures among test labs and manufacturers. For more information go to www.ies.org

Catalog Number Logic



Options

CP - Component Pack (housing, mount, optic, guard if selected)

AN - Assembled Fixture (components as selected)

①Teflon® is a registered trademark of DuPont, Inc.



KILLARK®



PENDANT



WALL



CEILING



STANCHION


ORDERING INFORMATION
MBL SERIES PENDANT WITH OPTIC AND GUARD ①

WATTS	HUB SIZE②	VOLTAGE③	GLOBE & GUARD	TYPE I GLASS REFRACTOR & GUARD	TYPE V GLASS REFRACTOR & GUARD	8" SPIN-TOP TYPE V REFRACTOR & GUARD	12" SPIN-TOP TYPE V REFRACTOR & GUARD
22	3/4"	120-277VAC	MBL2230A2GLG	MBL2230A2R1G	MBL2230A2R5G	MBL2230A2S8G	MBL2230A2S5G
45	3/4"	120-277VAC	MBL4530A2GLG	MBL4530A2R1G	MBL4530A2R5G	MBL4530A2S8G	MBL4530A2S5G

MBL SERIES CEILING WITH OPTIC AND GUARD ①

WATTS	HUB SIZE②	VOLTAGE③	GLOBE & GUARD	TYPE I GLASS REFRACTOR & GUARD	TYPE V GLASS REFRACTOR & GUARD	8" SPIN-TOP TYPE V REFRACTOR & GUARD	12" SPIN-TOP TYPE V REFRACTOR & GUARD
22	3/4"	120-277VAC	MBL2230X2GLG	MBL2230X2R1G	MBL2230X2R5G	MBL2230X2S8G	MBL2230X2S5G
45	3/4"	120-277VAC	MBL4530X2GLG	MBL4530X2R1G	MBL4530X2R5G	MBL4530X2S8G	MBL4530X2S5G

MBL SERIES WALL WITH OPTIC AND GUARD ①

WATTS	HUB SIZE②	VOLTAGE③	GLOBE & GUARD	TYPE I GLASS REFRACTOR & GUARD	TYPE V GLASS REFRACTOR & GUARD	8" SPIN-TOP TYPE V REFRACTOR & GUARD	12" SPIN-TOP TYPE V REFRACTOR & GUARD
22	3/4"	120-277VAC	MBL2230B2GLG	MBL2230B2R1G	MBL2230B2R5G	MBL2230B2S8G	MBL2230B2S5G
45	3/4"	120-277VAC	MBL4530B2GLG	MBL4530B2R1G	MBL4530B2R5G	MBL4530B2S8G	MBL4530B2S5G

MBL SERIES 25° STANCHION WITH OPTIC AND GUARD ①

WATTS	HUB SIZE④	VOLTAGE⑤	GLOBE & GUARD	TYPE I GLASS REFRACTOR & GUARD	TYPE V GLASS REFRACTOR & GUARD	8" SPIN-TOP TYPE V REFRACTOR & GUARD	12" SPIN-TOP TYPE V REFRACTOR & GUARD
22	1-1/4"	120-277VAC	MBL2230D4GLG	MBL2230D4R1G	MBL2230D4R5G	MBL2230D4S8G	MBL2230D4S5G
45	1-1/4"	120-277VAC	MBL4530D4GLG	MBL4530D4R1G	MBL4530D4R5G	MBL4530D4S8G	MBL4530D4S5G

① Catalog numbers shown are with Guard; to omit guard change ending G to N; e.g. MBL2230A2GLN

② Catalog numbers shown are with 3/4" conduit openings; change "2" to "3" for 1" e.g. MBL2230A3GLG

③ 120VAC through 277VAC 50/60Hz

④ Catalog numbers shown are with 1-1/4" conduit openings; change "4" to "5" for 1-1/2" e.g. MBL2230D5GLG

