Mercmaster™ III Low Profile Luminaires

High Pressure Sodium and Pulse Start Metal Halide

Listed for simultaneous exposure to combustible dusts and flammable gases or vapors.

NEC/CEC:
Class I, Division 2, Groups A, B, C, D
Class I, Zone 2, AEx nA nR IIC (Z2)
Class I, Zone 2, AEx nR IIC (ZB)
Class II, Division 1 and 2, Groups E, F, G
Class III

NEC/CEC:
Simultaneous Exposure
  (Class I, Division 2/Class II, Division 1)
Fixtures Outside Type (Salt Water)
Type 4X
IP66

Order using catalog numbering guide below or select catalog number from tables on following pages.

Catalog Numbering Guide

ML	A	L	15	2	G1	G	MT	R	Z2

Series:
ML - Mercmaster III Low Profile

Lamp Type:
I - Incandescent
L - High Pressure Sodium
P - Pulse Start Metal Halide

Hub Size:
2 - 3/4" NPT
3 - 1" NPT
4 - 1-1/4" NPT stanchion
5 - 1-1/2" NPT stanchion

Guard Options:
G - Cast Guard
N - No Guard

Options:
E - Emergency Quartz ⑤
F - Fuse Kit (Specify Voltage)
R - Hot Restrike ③
S - Smart Starter ④
H1 - Photocontrol 120 V
H2 - Photocontrol 208 V
H3 - Photocontrol 240 V
H4 - Photocontrol 277 V
D - E-27 Export Socket

Optional Fusing ⑥
FN - 120 V
FP - 208 V
FS - 240 V
FT - 277 V
FF - 480 V

Mounting:
A - Pendant (rigid mounting)
C - Ceiling
D - Pendant Cone Hood
F - Pendant (flexible mounting)
R - 90° Stanchion
S - 25° Stanchion
W - Wall

Wattage:
10 - 100 W HPS, PSMH
15 - 150 W HPS, PSMH and 60-150 W max. Incandescent
17 - 175 W PSMH
50 - 50 W HPS, PSMH
70 - 70 W HPS, PSMH

Optical Assembly: ②
G1 - Globe
J1 - NEMA I Glass Refractor
J3 - NEMA III Glass Refractor
J5 - NEMA V Glass Refractor
P2 - NEMA II Polymeric Refractor
P3 - NEMA III Polymeric Refractor
P4 - NEMA IV Polymeric Refractor
P5 - NEMA V Polymeric Refractor

Voltage: ①
LB - Incandescent, 120, 60 Hz
MT - 120/208/240/277, 60 Hz
5MT - 120/208/240/277/480, 60 Hz
48 - 480, 60 Hz
125 - 120, 50 Hz
225 - 225, 50 Hz
226 - 220, 60 Hz
236 - 230, 60 Hz
245 - 240, 50 Hz
246 - 240, 60 Hz

Suffix:
Z2 - Zone 2 suffix (required for AEx nA nR rating)
ZB - Zone 2 suffix (required for AEx nR)

① *Other voltages, frequencies available – contact your local sales representative. Voltages shown are limited to specific combinations; refer to following pages.*
② *Polymeric Refractor suitable for Class II, Groups F and G, NEMA 4X and Marine Type Electric Fixtures Outside Type (Salt Water) only (100 W PSMH Max.). Reflectors ordered separately.*
③ *Available for 50-150 W HPS fixtures only.*
④ *Available for HPS or PSMH fixtures.*
⑤ *Fixtures equipped with quartz auxiliary lamp do not comply with NEC/CEC requirements and are not suitable for use in classified locations*
⑥ *Optional fusing is available for use with MT, 5MT and 48 voltage suffixes ONLY.*

Appleton®

HID/AREA: NEC/CEC ENCLOSED AND GASKETED

EMERSON

Mercmaster™ III Low Profile Luminaires

High Pressure Sodium and Pulse Start Metal Halide

Listed for simultaneous exposure to combustible dusts and flammable gases or vapors.

NEC/CEC:
Class I, Division 2, Groups A, B, C, D
Class I, Zone 2, AEx nA nR IIC (Z2)
Class I, Zone 2, AEx nR IIC (ZB)
Class II, Division 1 and 2, Groups E, F, G
Class III

NEC/CEC:
Simultaneous Exposure
(Class I, Division 2/Class II, Division 1)
Fixtures Outside Type (Salt Water)
Type 4X
IP66

Ballast Bodies

Ballast Body for Glass Refractor

High Pressure Sodium
High Power Factor (Min. P.F. 90%)

Ballast Body for Glass Globe or Polymeric Refractor

Pulse Start Metal Halide
Super Constant Wattage Autotransformer (Min. P.F. 90%)

Lamp Type	Lamp Watts	Catalog Number ④ For Globe	For Refractor	LB	MT	5MT	48	125	225	226	235	236	245	246
Inc.	150 Max.	**MLBG15I**	**MLBR15I**	X	—	—	—	—	—	—	—	—	—	—
HPS	50	**MLBG50L** ①②	**MLBR50L** ①②	—	X	—	—	—	X	X	—	—	X	—
HPS	70	**MLBG70L** ①②	**MLBR70L** ①②	—	X	—	X	X	X	X	—	X	X	X
HPS	100	**MLBG10L** ①②	**MLBR10L** ①②	—	X	—	X	X	X	X	—	X	X	X
HPS	150	**MLBG15L** ①②	**MLBR15L** ①②	—	X	—	X	X	X	X	—	X	X	X
PSMH	50	**MLBG50H** ②③	**MLBR50H** ②③	—	X	—	X	—	—	—	—	—	—	—
PSMH	70	**MLBG70H** ②③	**MLBR70H** ②③	—	X	—	X	X	X	—	—	—	X	—
PSMH	100	**MLBG10H** ②③	**MLBR10H** ②③	—	X	—	X	X	X	—	—	—	X	—
PSMH	150	**MLBG15P** ②③	**MLBR15P** ②③	—	X	—	X	—	—	—	—	—	X	—
PSMH	175	**MLBG17P** ②③	**MLBR17P** ②③	—	X	X	X	—	—	—	—	—	X	—

Voltages:
LB - Incandescent, 120 V 60 Hz
MT - 120/208/240/277 V 60 Hz
5MT - 120/208/240/277/480 V 60 Hz
48 - 480 V 60 Hz
125 - 120 V 50 Hz
225 - 225 V 50 Hz
226 - 220 V 60 Hz
235 - 230 V 50 Hz
236 - 230 V 60 Hz
245 - 240 V 50 Hz
246 - 240 V 60 Hz

① After voltage suffix add: -**S** for Smart Starter, -**R** for ballast body with Hot Restrike Ignitor.
② Add -**E** after voltage suffix for ballast body with provision for Quartz Emergency Light. Not suitable for hazardous locations.
③ After voltage suffix add: -**S** for Smart Starter.
④ Add -**Z2** suffix for factory sealed non-sparking/restricted breathing protection (AEx nA nR). Add -**ZB** suffix for restricted breathing protection (AEx nR).

EMERSON

Mercmaster™ III Low Profile Compact Fluorescent Luminaires
Enclosed and Gasketed. For Hazardous and Wet Locations

FLUORESCENT/AREA: NEC/CEC ENCLOSED AND GASKETED

NEC/CEC:
Class I, Division 2, Groups A, B, C, D
Class I, Zone 2, AEx nA nR IIC (Z2)
Class II, Division 1 and 2, Groups E, F, G
Class III

NEC/CEC:
Simultaneous Exposure (Class I, Division 2/
Class II, Division 1)
Fixtures Outside Type (Salt Water)
Type 4X
IP66

CEC:
Class I, Zone 2, Ex nR IIC (Z)

Order using catalog numbering guide below or select catalog number from tables on following pages.

Catalog Numbering Guide For Zone 2 Mercmaster III Compact Fluorescent Luminaires

ML	A	F	84	2	G2	G	BU	L	Z2

Series:
ML - Mercmaster III Low Profile

Lamp Type:
F - Fluorescent

Hub Size:
2 - 3/4" NPT
3 - 1" NPT
4 - 1-1/4" NPT Stanchion
5 - 1-1/2" NPT Stanchion

Guard Options:
G - Cast Guard (Glass Refractor and Globe only)
N - No Guard

Lamp Options:
L - Lamp(s) included
Blank - Lamp(s) excluded

Mounting Hood:
A - Pendant (Rigid or Flexible)
C - Ceiling
D - Pendant Cone
R - 90° Stanchion
S - 25° Stanchion
W - Wall

Wattage:
26 - One 26 Watt PL-T
32 - One 32 Watt PL-T
42 - One 42 Watt PL-T
52 - Two 26 Watt PL-T
57 - One 57 Watt PL-T ④
64 - Two 32 Watt PL-T
84 - Two 42 Watt PL-T
114 - Two 57 Watt PL-T ④

Optical Assembly: ①
G2 - VPGL2HR Globe (not for 57, 114 Watt)
G4 - VPGL4HR Globe (57, 114 Watt only) ④
J1 - NEMA I Glass Refractor
J3 - NEMA III Glass Refractor
J5 - NEMA V Glass Refractor
P2 - NEMA II Polymeric Refractor
P3 - NEMA III Polymeric Refractor
P4 - NEMA IV Polymeric Refractor
P5 - NEMA V Polymeric Refractor

Voltage:
BU - 120 to 277 V, 50/60 Hz and 125 Vdc
A5 - 347 V, 60 Hz ④

Suffix:
DP - Safety Cable
SC - Safety Chain
Z2 - Zone 2 Suffix (Required for AEx nA nR rating)
C - Safety Cable ④
F - Fused Mtg. Hood ③④ (Non-Haz. Loc. only)
P - Non-Haz. Photocell (Specify Voltage) ④
Q - Division 2 Haz. Photocell (Specify Voltage) ④
T - Terminal Blocks ④
V - Vibration Protection ④
X - Appledapter ② Mounting Hood Adapter ④
Z - Zone 2 suffix (required for Ex nR) ④

① *Polymeric refractors suitable for Class II, Groups F and G; NEMA 4X; and Marine Type Electric Fixture Outside Type (Salt Water) only.*
   Reflectors ordered separately (for use with globe fixtures only): Standard Dome: KR2-ST 30-degree Angle: KR2-AN
② *Appledapter is available for use with the pendant, ceiling and angled stanchion mounting only.*
③ *Canadian Electrical Code (CEC) does NOT allow fusing in hazardous locations.*
④ *Certified to meet the Canadian Electrical Code (CEC) only.*