

Industrial Mercmaster™ LED Generation 3 Series Luminaires

Standard

Ordinary Locations

NEC/CEC/NOM Standard Model: Type 3R, 4, 4X | IP66/IP67 | IK08 | Suitable for Use in Wet Locations | Marine Outside Type (Salt Water)

IECEE CB Standard Model: IP66 | IK08

Notable: American Bureau of Shipping (ABS) Certified | International Dark Sky (IDA) Approved

Lumen Output (Efficacy) — Standard Model ①

Model	HID Equivalency	Light Distribution Pattern	CCT (Correlated Color Temperature)	CRI (Color Rendering Index)	Lumen Output	Efficacy (lm/W)	CCT	CRI	Lumen Output	Efficacy (lm/W)	CCT	CRI	Lumen Output	Efficacy (lm/W)
Clear Glass Globe														
MLGL3	70-100W	Type I	3000K	80	2800	93	4000K	80	3100	103	5000K	70	3500	117
		Type III	3000K	80	3100	102	4000K	80	3200	107	5000K	70	3700	123
		Type V	3000K	80	3100	103	4000K	80	3200	107	5000K	70	3450	115
		Type V Wide	3000K	80	3150	105	4000K	80	3250	108	5000K	70	3500	117
MLGL5	100-150W	Type I	3000K	80	4200	91	4000K	80	4600	100	5000K	70	5300	115
		Type III	3000K	80	4400	96	4000K	80	4800	104	5000K	70	5400	117
		Type V	3000K	80	4650	101	4000K	80	4800	114	5000K	70	5150	112
		Type V Wide	3000K	80	4700	102	4000K	80	4900	107	5000K	70	5250	114
MLGL7	175-250W	Type I	3000K	80	6400	112	4000K	80	7100	125	5000K	70	8000	140
		Type III	3000K	80	6600	116	4000K	80	7300	128	5000K	70	8300	146
		Type V	3000K	80	7250	119	4000K	80	7600	125	5000K	70	8000	131
		Type V Wide	3000K	80	7750	124	4000K	80	7900	130	5000K	70	8300	136
MLGL9	250-350W	Type I	3000K	80	8500	111	4000K	80	8800	117	5000K	70	9900	132
		Type III	3000K	80	8600	115	4000K	80	9300	124	5000K	70	10400	139
		Type V	3000K	80	8550	107	4000K	80	9000	113	5000K	70	10150	127
		Type V Wide	3000K	80	8850	111	4000K	80	9300	116	5000K	70	10500	131
MLGH9	250-350W	Type I	3000K	80	8100	108	4000K	80	8800	117	5000K	70	9900	132
		Type III	3000K	80	8600	115	4000K	80	9300	124	5000K	70	10400	139
		Type V	3000K	80	9300	124	4000K	80	10100	135	5000K	70	11200	149
		Type V Wide	3000K	80	8500	113	4000K	80	9200	123	5000K	70	10300	137
MLGH1	350-400W	Type I	3000K	80	9900	106	4000K	80	10700	115	5000K	70	12000	129
		Type III	3000K	80	11200	115	4000K	80	11300	122	5000K	70	12600	135
		Type V	3000K	80	11400	123	4000K	80	12300	132	5000K	70	13600	146
		Type V Wide	3000K	80	10300	111	4000K	80	11200	120	5000K	70	12500	134
MLGH3	400W	Type I	3000K	80	12000	104	4000K	80	12900	112	5000K	70	14500	126
		Type III	3000K	80	12600	110	4000K	80	13600	118	5000K	70	15300	133
		Type V	3000K	80	13700	119	4000K	80	14900	130	5000K	70	16400	143
		Type V Wide	3000K	80	12500	109	4000K	80	13500	117	5000K	70	15100	131
MLGH6	400-600W	Type I	3000K	80	14500	100	4000K	80	15700	108	5000K	70	17700	122
		Type III	3000K	80	15100	104	4000K	80	16400	113	5000K	70	18400	127
		Type V	3000K	80	17000	117	4000K	80	18000	124	5000K	70	20100	139
		Type V Wide	3000K	80	15000	103	4000K	80	16300	112	5000K	70	18200	126
MLGX1	600-750W	Type I	3000K	80	17170	102	4000K	80	18188	108	5000K	70	19206	114
		Type III	3000K	80	17931	106	4000K	80	18994	112	5000K	70	20057	119
		Type V	3000K	80	20006	118	4000K	80	21366	126	5000K	70	21937	130
		Type V Wide	3000K	80	17830	106	4000K	80	18887	112	5000K	70	19944	118
MLGX5	1000W	Type I	3000K	80	19468	93	4000K	80	20623	98	5000K	70	21777	104
		Type III	3000K	80	20342	97	4000K	80	21548	103	5000K	70	22754	108
		Type V	3000K	80	23776	113	4000K	80	25392	121	5000K	70	26070	124
		Type V Wide	3000K	80	21285	101	4000K	80	22547	107	5000K	70	23809	113

① All lumen values are typical (tolerance +/-10%).

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Catalog Number for Driver Housing and Globe or Refractor — Standard Model

Lumen Level	CCT	Optics	Clear Polycarbonate Globe ①②③④⑤	Polycarbonate Diffused Globe ①②③④⑤	Clear Glass Globe ①②③④⑤	Refractor ①②③④⑤
3500	5000K	Type I	IMLGL3CP1	IMLGL3CD1	IMLGL3CG1	—
		Type III	IMLGL3CP3	IMLGL3CD3	IMLGL3CG3	—
		Type V	IMLGL3CP5	IMLGL3CD5	IMLGL3CG5	IMLGL3CJ5
		Type V Wide	IMLGL3CPW	IMLGL3CDW	IMLGL3CGW	—
5500	5000K	Type I	IMLGL5CP1	IMLGL5CD1	IMLGL5CG1	—
		Type III	IMLGL5CP3	IMLGL5CD3	IMLGL5CG3	—
		Type V	IMLGL5CP5	IMLGL5CD5	IMLGL5CG5	IMLGL5CJ5
		Type V Wide	IMLGL5CPW	IMLGL5CDW	IMLGL5CGW	—
7500	5000K	Type I	IMLGL7CP1	IMLGL7CD1	IMLGL7CG1	—
		Type III	IMLGL7CP3	IMLGL7CD3	IMLGL7CG3	—
		Type V	IMLGL7CP5	IMLGL7CD5	IMLGL7CG5	IMLGL7CJ5
		Type V Wide	IMLGL7CPW	IMLGL7CDW	IMLGL7CGW	—
9500 ⑥	5000K	Type I	IMLGL9CP1/IMLGH9CP1	IMLGL9CD1/IMLGH9CD1	IMLGL9CG1/IMLGH9CG1	—
		Type III	IMLGL9CP3/IMLGH9CP3	IMLGL9CD3/IMLGH9CD3	IMLGL9CG3/IMLGH9CG3	—
		Type V	IMLGL9CP5/IMLGH9CP5	IMLGL9CD5/IMLGH9CD5	IMLGL9CG5/IMLGH9CG5	IMLGL9CJ5/IMLGH9CJ5
		Type V Wide	IMLGL9CPW/IMLGH9CPW	IMLGL9CDW/IMLGH9CDW	IMLGL9CGW/IMLGH9CGW	—
11,500	5000K	Type I	IMLGH1CP1	IMLGH1CD1	IMLGH1CG1	—
		Type III	IMLGH1CP3	IMLGH1CD3	IMLGH1CG3	—
		Type V	IMLGH1CP5	IMLGH1CD5	IMLGH1CG5	IMLGH1CJ5
		Type V Wide	IMLGH1CPW	IMLGH1CDW	IMLGH1CGW	—
14,500	5000K	Type I	IMLGH3CP1	IMLGH3CD1	IMLGH3CG1	—
		Type III	IMLGH3CP3	IMLGH3CD3	IMLGH3CG3	—
		Type V	IMLGH3CP5	IMLGH3CD5	IMLGH3CG5	IMLGH3CJ5
		Type V Wide	IMLGH3CPW	IMLGH3CDW	IMLGH3CGW	—
17,500	5000K	Type I	IMLGH6CP1	IMLGH6CD1	IMLGH6CG1	—
		Type III	IMLGH6CP3	IMLGH6CD3	IMLGH6CG3	—
		Type V	IMLGH6CP5	IMLGH6CD5	IMLGH6CG5	IMLGH6CJ5
		Type V Wide	IMLGH6CPW	IMLGH6CDW	IMLGH6CGW	—
20,000	5000K	Type I	IMLGX1CP1	IMLGX1CD1	IMLGX1CG1	—
		Type III	IMLGX1CP3	IMLGX1CD3	IMLGX1CG3	—
		Type V	IMLGX1CP5	IMLGX1CD5	IMLGX1CG5	IMLGX1CJ5
		Type V Wide	IMLGX1CPW	IMLGX1CDW	IMLGX1CGW	—
24,000	5000K	Type I	IMLGX5CP1	IMLGX5CD1	IMLGX5CG1	—
		Type III	IMLGX5CP3	IMLGX5CD3	IMLGX5CG3	—
		Type V	IMLGX5CP5	IMLGX5CD5	IMLGX5CG5	IMLGX5CJ5
		Type V Wide	IMLGX5CPW	IMLGX5CDW	IMLGX5CGW	—

① For 120-277 Vac, 50/60 Hz, add suffix **-BU** to catalog number. For 347-480 Vac, 50/60 Hz, add suffix **-BH** to catalog number.

② For other CCT options, change the 7th digit in part number from "C" to "W" for Warm 3000K CCT or "N" for Neutral 4000K CCT. Example: IMLGL7CP5BU to "W" for Warm, IMLGL7WP5BU.

③ Guards are available for fixtures with globe or refractor. See following pages for accessory ordering information.

④ For fusing add "F" to end of catalog number. Example: IMLGL7CP5BUF.

⑤ Use of fuse voids Marine Outside Type (Salt Water) rating. Only available for cCSAus rating. For additional 10 kV of surge, add "S" to the end of catalog number. Example: IMLGH6CD5BUS.

⑥ IMLGH9 only available with certified High Ambient option (-A).

LED Luminaires | Area / Task | Ordinary Location | NEC / CEC