



PERMA-GARD® LUMINAIRE

UL844, UL1598, UL1598 OUTDOOR SALT WATER, CANADIAN UL1598, NEMA 4X

APPLICATIONS

- For adverse, severe duty and hazardous classifications. (HID lamps)

SPECIFICATION FEATURES

- 1598 Listed
Suitable For Wet Locations
- 844 Listed
 - Class I, Division 2, Groups A, B, C and D
- 1598 Outdoor Salt Water Listed (formerly UL595)
- Listed
 Class I, Division 2, Groups A, B, C and D
- Meets NEMA 4X standards
- Standard construction is IP66 (units with small globe)
 All other opticals IP65
- No exposed metal parts
- Corrosion-resistant materials
- Choice of optical assemblies
- Quick electro-mechanical connection
- Shipped in single pack: Mounting, Ballast, Optical, Accessories
- Maxi-Lux® guard
- NEMA decal
- Wiring compartment
- Mogul base socket

ORDERING NUMBER LOGIC

PRODUCT IDENT	WATTAGE	LIGHT SOURCE	VOLTAGE	BALLAST TYPE	AMBIENT °C	MOUNTING	OPTICAL	ACCESSORIES (IF REQUIRED)	OPTIONS (IF REQUIRED)
XXXX	XX	X	X	X	X	XXX	XX(X)(X)	XXX	XXX
PMGA = Perma-Gard Luminaire	HID 05 = 50 07 = 70 10 = 100 15 = 150 (55V) 17 = 175	M = MH S = HPS C = Merc Standard: lamp not included	60Hz* 0 = 120/208/240/277 MULTIVOLT 1 = 120 2 = 208 3 = 240 4 = 277 5 = 480 D = 347 F = 120x347 *For 50 Hz, contact factory	See Ballast Selection Table A = Autoreg H = HPF Reactor or Lag K = Hot Restart M = Mag-Reg NOTE: K is not available with 70 or 150 watt	See Temperature Profile information Standard Maximum Ambient Temperature is 40°C. Certain Merc ratings available in 55°C. X = For all available temperature ratings, as determined by optical.	3PR = 3/4-in. Pendant Rigid** 4PR = 1-in. Pendant Rigid** 3WR* = 3/4-in. Wall 4WR* = 1-in. Wall 5SR* = 1-1/4-in. Straight Stanchion 6SR* = 1-1/2-in. Straight Stanchion NOTE: *With these mountings a PMG-4PR is included. **Cannot use flexible mounting.	See Temperature Profile information ALB5 = Angled Low Bay Optical 15-in. (381mm) GG = Small Globe with guard GN = Small Globe LB5 = Low Bay Optical 15-in. (381mm) TA2 = Low Bay Optical 22-in. (559mm)	See Accessories AR5 = Angled Reflector 15-in. (381mm) use with globe and guard DR5 = Dome Reflector 15-in. (381mm) use with globe and guard	F = Fusing (Not available with multivolt or CSA or UL1598 Outdoor Salt Water or metal halide units) Q = Time Delay Automatically Switched Quartz (not available for Class I, Div. 2)

BALLAST SELECTION TABLE

Maximum ambient temperature is 40° C unless otherwise indicated.

Wattage	Light Source	Voltage							
		Multivolt	120	208	240	277	480	347, 120X347	
50	HPS	H	H,K	H,K	H,K	N/A	N/A	N/A	
70,100 150 (55V)	HPS	H	H,K*M,G	H,K*M,G	H,K*M,G	H,K*M,G	M,G	H	
	HPS	H	H,M,G	H,M,G	H,M,G	H,M,G	M,G	H	
175	MH	A	A	A	A	A	A	A	
100**, 175	Merc	N/A	A	A	A	A	A	N/A	

NOTE: N/A = Not Available
 ** 100W Merc is Reg
 * 70 watt "K" not available

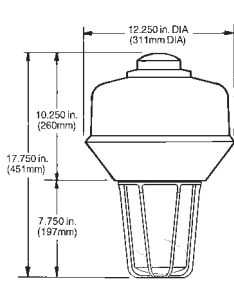
CANADIAN NOTES:

1. "H", HPF, "A", Autoreg, available 120, 277 or 347 volts only.
2. 208, 240, and 480 volts require CWI ballast. Use "G" when available. Contact factory for all others.
3. Multivolt not available.
4. "K" Hot Restart not available.

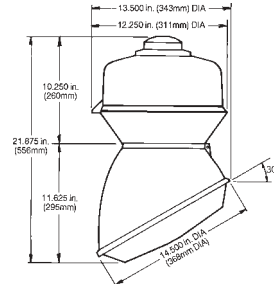
PERMA-GARD® LUMINAIRE
UL844, UL1598, UL1598 OUTDOOR SALT WATER, CANADIAN UL1598, NEMA 4X

PERMA-GARD HAZARDOUS LOCATION LIGHTING

FIXTURE DIMENSIONS

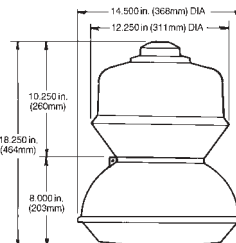


GG=Glass globe with guard

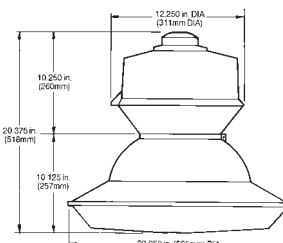


ALB5=Angled 15 in. (381mm)

OPTICAL CHOICE

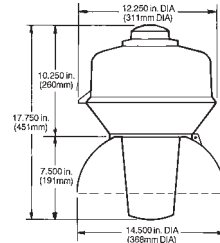


LB5=15 in. (381mm) low bay refractor

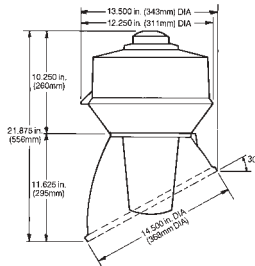


TA2=22 in. (569mm) low bay refractor

ACCESSORIES



PMG-DR5=Dome reflector



PMG-AR5=Angled reflector

DATA

Add weight for each component to get total luminaire weight.

PERMA-GARD LUMINAIRE WEIGHTS

	Approximate Net Weight	
	Lbs	Kgs
Ballast Housing Assembly		
50 watt HPS	15	7
70 watt HPS	15	7
100 watt HPS	15	7
150 watt (55V) HPS	17	8
175 watt metal halide	15	7
100 watt mercury	14	6
175 watt mercury	15	7

	Approximate Net Weight	
	Lbs	Kgs
Mounting Hub Assembly 3PR or 4PR	2	1
Optical Assembly ALB5 refractor	3	1
GN globe	3	1
LB5 refractor	3	1
TA2 refractor	5	2

PHOTOMETRIC SELECTION AND THIRD PARTY CERTIFICATIONS AND STANDARDS TABLE

Photometric Curve Number 35-17- - - All light sources clear unless otherwise indicated. Third Party Certifications and Standards

	UL844, CSA	UL1598 Outdoor Salt Water	UL1598 Suitable For Wet Locations	NEMA 4X	50-150W HPS	50-150W HPS (Coated)	175W MH Merc	175W MH 100,175W Merc (Coated)
Globe and guard (PMG-GN, PMG-NG)	X	X	X	X	7407	7432	7419	7393
Globe and guard (PMG-GN, PMG-NG) and dome reflector (PMG-DR5)	X	X	X	X	7404	7428	7415	7394
Globe and guard (PMG-GN, PMG-NG) and angled dome reflector (PMG-AR5)	X	X	X	X	7406	7430	7417	7400
Globe (PMG-GN)	X	X	X	X	7410	7431	7418	7392
Globe (PMG-GN) and dome reflector (PMG-DR5)	X	X	X	X	7403	7427	7426	7391
Globe (PMG-GN) and angled dome reflector (PMG-AR5)	X	X	X	X	7405	7429	7416	7399
15-in. (381mm) acrylic refractor (PMG-LB5) (Not 175W MH)	X	N/A	X	N/A	7408	7433	7420*	7395*
15-in. (381mm) angled dome acrylic refractor (PMG-ALB5) (Not 175W MH)	X	N/A	X	N/A	7412	7435	7422*	7401*
22-in. (569mm) acrylic refractor (PMG-TA2)	X	N/A	X	N/A	7409	7437	7424	7397

NOTE: N/A = Not Available *Mercury only

NOTES

You must use temperature profile data to properly select hazardous luminaire. See Page H-13.

REFERENCES

See Page H-13 for Temperature Profiles and Limitations.
 See Page H-36 for start of Accessories.
 See Page H-41 for Component Ordering Logic.
 See Pages H-42 for Explanation of Options and Other Terms Used.