



## HW4G LED Wallpack Hazardous Locations



### Description

The HW4G hazardous location LED wallpack provides a traditional form factor to easily retrofit outdated fixtures in classified locations to LED. The HW4G LED wallpack features our patented prismatic borosilicate glass to resist fading and discoloration. Its IP55-rated die-cast housing with low copper content (.06) withstands corrosion and weathering.

The HW4G LED wallpack features high-efficiency LEDs with individual optics to maximize spacing. Long-life LEDs deliver up to 70% energy savings over comparable 400W HID sources for easy one-for-one replacement and low maintenance.

### Optics

- Prismatic borosilicate glass maintains highest levels of luminosity over time.
- Individual led optics maximize spacing.

### Electrical

- Light engine(s) consist of 10 or 20 high-efficacy LEDs mounted to a metal-core circuit board and integral aluminum heat sink to maximize heat dissipation and promote long life (L87/100,000 hrs at 25° C).
- Class 1 electronic driver has a power factor >90%, THD <20%, and an expected life of 100,000 hours.
- 0-10v DC dimming is standard.
- Standard 6kV surge meets Category C low operation per ANSI/IEEE C62.41.2 Standard.

### Mechanical

- Robust cast aluminum housing with low copper content (0.6% CU content) and durable gray finish withstands harsh or hostile environments
- Self-hinged door secured by captive fasteners enabling quick maintenance and is available with tamper resistant screws.
- Strategically placed LED driver for optimal performance and increased life is placed in the front casting to thermally isolate it from the light engine for low operating temperature and long life.

### Listings

- UL1598 Wet Location
- UL844: Class 1, Division 2 Groups A, B, C, D T4A
- IP 55

### Warranty

5-year limited warranty

### Typical Applications

- Petroleum Refineries
- Ethanol Facilities
- Chemical Plants
- Waste Water & Water Treatment Plants
- Power Generation Plants
- Building Facades
- Industrial Perimeters
- Storage Areas
- Manufacturing plants

### Dimensions:

Width: 16.0" (406.4mm)  
Height: 15.9" (403.9mm)  
Depth: 8.0" (203mm)  
Weight: 34 lbs. (15.42kg)



## ORDERING INFORMATION

**Example: HW4G 20C 1000 50K T3M MVOLT GYSDP**

Series	Performance Package	Drive Current	Color temperature	Optic	Voltage	Options	Color	
HW4G	10C 10 LED	1000 1000mA	40K 4000K	T3M Type III Medium	120 120 Volt	SF Single fuse <sup>2</sup>	BKSDP Black super durable paint	
	20C 20 LED		50K 5000K		208 208 Volt		DF Double fuse <sup>3</sup>	GYSDP Gray super durable paint
					240 240 Volt	TP Tamper resistant screws <sup>4</sup>	WHSDP White super durable paint	
					277 277 Volt		LWG Wire Guard <sup>5</sup>	BZSDP Bronze super durable paint
					347 347 Volt <sup>1</sup>			
					480 480 Volt <sup>1</sup>			
					MVOLT Multi-volt 120, 208, 240, 277			

### Notes:

- 1 Not available with 10C performance package
- 2 Available with 120,240,277,347 volt only, shipped installed. Fusing not permitted for use in Canada per CSA C22.2 No. 137 clause 3.4.11.
- 3 Available with 208,240,48 volt only, shipped installed. Fusing not permitted for use in Canada per CSA C22.2 No. 137 clause 3.4.11.
- 4 Shipped installed.
- 5 Casting is pre-drilled for guard. Wire guard with fasteners ships separately.

LWG Wire guard ship level	
HW4GLWG	Wire guard

## PERFORMANCE DATA

### Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Actual performance may differ as a result of end-user environment and application. Contact factory for performance data on any configurations not shown here.

LED'S	Drive Current (mA)	System Watts	Dist. Type	50K (5000K, 65 CRI)				
				Lumens	B	U	G	LPW
10C (10 LED)	1000	39W	T3M	3398	0	3	3	87
20C (20LED)	1000	72W	T3M	7027	1	3	4	97

### Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0° C	32° F	1.02
10° C	50° F	1.01
20° C	68° F	1
25° C	77° F	1
30° C	86° F	1
40° C	104° F	0.98

### Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the W4GLEDD 30C 1000 platform in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11). To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	70,000
Lumen Maintenance Factor	1	0.969	0.935	0.87

### Electrical Load

LED'S	Drive Current (mA)	System Watts	Current (A)					
			120	208	240	277	347	480
10C	1000	39W	0.36	0.21	0.18	0.16	-	-
20C	1000	72W	0.67	0.38	0.33	0.29	0.23	0.17

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## DIMENSIONAL DATA

