

Catalog Number	
Notes	Type

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The HW4G hazardous location LED wallpack provides a traditional form factor to easily retrofit outdated fixtures in classified locations to LED.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. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_Conditions.aspx.

Note: Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

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: Inches (millimeters) unless otherwise noted.

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



ORDERING INFORMATION

Example: HW4G 7000LM T3M MVOLT 40K DWHXD

Series	Lumen Package	Optic	Voltage	Color temperature	Options	Primary Finish
HW4G	3000LM 3000 Lumens	T3M Type III Medium	120 120 Volt	40K 4000K	SF Single fuse ‡	DBXD Black super durable paint
	7000LM 7000 Lumens		208 208 Volt	50K 5000K	DF Double fuse ‡	DGXD Gray super durable paint
			240 240 Volt		TRS Tamper resistant screws ‡	DWHXD White super durable paint
			277 277 Volt		WG Wire Guard (ships separately) ‡	DBZXD Bronze super durable paint
			347 347 Volt ‡			
			480 480 Volt ‡			
			MVOLT Multi-volt 120, 208, 240, 277			

‡ Option Value Ordering Restrictions

Option value	Restriction
347	Not available with 3000LM lumen package.
480	Not available with 3000LM lumen package.
DF	Available with 208, 240, 480V only. Shipped installed. Not for use in Canada.
SF	Available with 120, 240, 277, 347V only. Shipped installed. Not for use in Canada.
TRS	Shipped installed.
WG	Casting is pre-drilled for guard. Wire guard with fasteners ships separately.

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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.

Performance Package	Drive Current (mA)	System Watts	Dist. Type	50K (5000K, 65 CRI)				
				Lumens	B	U	G	LPW
3000LM	1000	39W	T3M	3398	0	3	3	87
7000LM	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

Performance Package	Drive Current (mA)	System Watts	Current (A)					
			120	208	240	277	347	480
3000LM	1000	39W	0.36	0.21	0.18	0.16	-	-
7000LM	1000	72W	0.67	0.38	0.33	0.29	0.23	0.17

HW4G Ambient Temperatures

Lumen Package	Temperature
3000LM	40° C
7000LM	35° C

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DIMENSIONAL DATA

