

DESCRIPTION

The Lumark Wal-Pak wall luminaire provides traditional architectural style with high performance energy efficient illumination. Rugged die-cast aluminum construction, stainless steel hardware along with a sealed and gasketed optical compartment make the Wal-Pak virtually impenetrable to contaminants. IP66 Rated. Three available lamp sources including patented energy efficient LED, pulse start metal halide and high pressure sodium. UL/cUL wet location listed. The Wal-Pak wall luminaire is ideal for pathway illumination, building entrances, vehicle ramps, schools, tunnels, stairways and loading docks.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Housing

Rugged one-piece die-cast aluminum housing and hinged, removable die-cast aluminum door. One-piece silicone gasket seals the optical chamber. UL 1598 wet location listed and IP66 ingress protection rated.

Electrical

Ballasts, LED driver and related electrical components are hard mounted to the die-cast housing for optimal heat sinking and operating efficiency. Wiring is extended through a silicone gasket at the back of the housing. Three 1/2" threaded conduit entry points allow for thru-branch wiring. LED thermal management system incorporates both conduction and natural convection to transfer heat rapidly away from LED source. Integral LED electronic driver incorporates internal fusing designed to withstand a 6kV surge test and is Class 2 rated for 120-277V with an operating temperature of -40° to 55°C. Wal-

Pak LED systems maintain greater than 93% of the initial light output after 72,000 hours of operation. UL listed HID high power factor ballasts are Class H insulation rated (high pressure sodium: 250, 400W [-40°C / -40°F]). High efficiency HID ballasts are available in 120, 208, 240, 277, 347 and 480V.

Optical

Highly reflective anodized aluminum reflectors provide high efficiency illumination. Optical assemblies include impact resistant borosilicate refractive glass, and full cutoff IESNA compliant configurations. Patented, solid state LED luminaires are thermally optimized with three lumen packages. HID models are offered in horizontal medium or mogul-based metal halide [MP] or high pressure sodium [HP] lamps.

Door Assembly

Single point, captive stainless steel hardware secures the removable hinged door allowing for ease of

installation and maintenance. Door assembly is hinged at the bottom for easy removal, installation and re-lamping.

Finish

Finished in five-stage super TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Standard color is bronze. Additional colors available in white, grey, bronze, black, dark platinum and graphite metallic. Consult your lighting representative at Cooper Lighting Solutions for a complete selection of standard colors. Options to meet Buy American and other domestic preference requirements.

Efficiency Standards Notice
Select luminaires are manufactured to USA and California efficiency regulations.



WP WAL-PAK

27, 32 and 46W

LED

250 - 400W

Pulse Start Metal Halide

250 - 400W

High Pressure Sodium

WALL MOUNT LUMINAIRE



TECHNICAL DATA

UL/cUL Wet Location Listed
IP66 Rated
40°C Maximum Ambient Temperature
External Supply Wiring 90°C Minimum
EISA ©, ARRA, Title 20 Compliant
LM79 / LM80 Compliant
DesignLights Consortium® Qualified*

ENERGY DATA

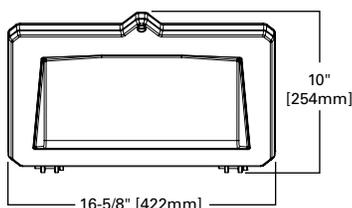
CWA Ballast Input Watts
200W HPS HPF (250 Watts)
250W MP HPF (283 Watts) ©
400W HPS HPF (465 Watts)
400W MP HPF (452 Watts) ©

SHIPPING DATA

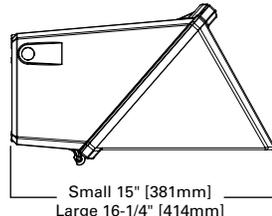
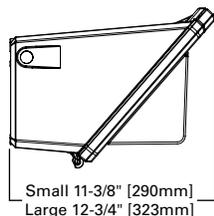
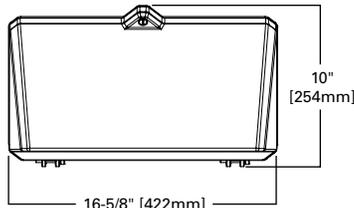
Approximate Net Weight:
32-42 lbs. (15-19 kgs.)

DIMENSIONS

BOROSILICATE GLASS DOOR (GL)



FULL CUTOFF DOOR (FC)



POWER AND LUMENS

Catalog Number	Lumens	Power Consumption (Watts)	B.U.G. Rating	Correlated Color Temperature CCT (Kelvin)	Color Rendering Index (CRI)
Borosilicate Glass Door (GL)					
LDWP-GL-3B-ED-7040	3,270	27W	B1-U3-G1	4000K	73
LDWP-GL-4B-ED-7040	4,160	32W	B1-U3-G2	4000K	73
LDWP-GL-6B-ED-7040	5,828	46W	B1-U4-G4	4000K	73
LDWP-GL-3B-ED	3,333	27W	B1-U3-G1	5000K	72
LDWP-GL-4B-ED	4,199	32W	B1-U3-G3	5000K	73
LDWP-GL-6B-ED	5,883	46W	B1-U4-G4	5000K	73
Full Cutoff Door (FC)					
LDWP-FC-3B-ED-7040	1,884	27W	B1-U0-G1	4000K	72
LDWP-FC-4B-ED7040	2,239	32W	B1-U0-G1	4000K	73
LDWP-FC-6B-ED-7040	3,137	47W	B1-U0-G1	4000K	73
LDWP-FC-3B-ED	1,912	27W	B1-U0-G1	5000K	72
LDWP-FC-4B-ED	2,279	32W	B1-U0-G1	5000K	73
LDWP-FC-6B-ED	3,192	46W	B1-U0-G1	5000K	73

CURRENT DRAW

Light Engine	3B	4B	6B
Nominal Power (Watts)	27W	32W	46W
Input Current @ 120V (A)	0.24	0.28	0.40
Input Current @ 208V (A)	0.14	0.16	0.23
Input Current @ 240V (A)	0.13	0.15	0.20
Input Current @ 277V (A)	0.11	0.13	0.18
Input Current @ 347V (A)	0.09	0.11	0.15
Input Current @ 480V (A)	0.10	0.12	0.14

LUMEN MAINTENANCE

Ambient Temperature	TM-21 Lumen Maintenance (72,000 Hours)*	Theoretical L70 (Hours)
25°C	> 93%	> 340,000
40°C	> 92%	> 316,000

* Per TM-21 data.

LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
10°C	1.07
15°C	1.04
25°C	1.00
40°C	0.94

ORDERING INFORMATION

Sample Number: LDBAA-WP-FC-4B-120V

Product Family ³	Lamp Type	Door Type ⁴	Lamp Wattage ⁵	Voltage ⁶
WP =Wal-Pak BAA-WP =Wal-Pak, Buy American Act Compliant ¹¹ TAA-WP =Wal-Pak, Trade Agreements Act Compliant ¹¹	LD =Solid State Light-Emitting Diodes (LED) ^{1,2} HP =High Pressure Sodium MP =Pulse Start Metal Halide	GL =Borosilicate Glass Door FC =Full Cutoff Door	LED 3B =(3 Package), 27W 4B =(4 Package), 32W 6B =(6 Package), 46W HP 250 =250W 400 =400W MP 250 =250W 400 =400W	120V =120V 208V =208V 240V =240V 277V =277V 347V =347V ⁷ 480V =480V ⁷ DT =Dual-Tap MT =Multi-Tap TT =Tri-Tap ED =Electronic LED Dimming (0-10V) Driver
Options (Add as Suffix) ⁸			Accessories (Order Separately)¹²	
F1 =Single Fuse (Must Specify Voltage. 120, 277 or 347V) PE =Button Type Photocontrol (Must Specify Voltage. 120, 208, 240 or 277V) LL =Lamp Included Q =Quartz Restrike T4 Lamp ⁹ EM =Emergency Quartz Restrike T4 Lamp ⁹ EMLED-CD =LED Battery Backup Cold Temperature ¹⁰ 7040 =72 CRI / 4000K CCT AP =Grey BK =Black DP =Dark Platinum GM =Graphite Metallic WH =White			WG/WPGL =Wire Guard Borosilicate Glass Lens Door WG/WPFC =Wire Guard Full Cutoff Door TR/WP =Tamper-resistant Screw and Bit VS/WPGL =Polycarbonate Vandal Shield for Borosilicate Glass Lens Door	

- NOTES:**
- DesignLights Consortium[®] Qualified and classified for DLC Standard and DLC Premium, refer to www.designlights.org for details.
 - Five-year warranty.
 - Fixture color is standard bronze unless optional color is specified.
 - Small housing offered for LED models. Large housing for 250W-400W. Clear glass is standard for full cutoff door types except for LD. LD full cutoff door is standard with Solite[®] glass.
 - LED packages based on 70 CRI / 5000K package at 25°C ambient.
 - See voltage chart for descriptions. 105°C Rated wire required for thru-branch wiring for units above 250W. Thru-branch wiring is rated for 40°C for LD. Higher wattage thru-branch wiring is rated for use in 25°C ambient operating environments.
 - Not available with thru-branch wiring. LED will be supplied with integral step down transformer.
 - Not all options can be combined. Only one emergency or battery back-up option available within the fixture. LD models utilize EMLED-CD options only for battery back-up.
 - Q or EM not available with LD or E electronic ballast.
 - EMLED-CD available with B models only. For use in 25°C ambient operating temperature environments. Specify 120V or 277V. EMLED-CD minimum -20°C/-4°F. Battery pack is a UL recognized component.
 - Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to [DOMESTIC PREFERENCES](#) website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.
 - Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.

STOCK ORDERING INFORMATION - LAMP INCLUDED

Sample Number: WPL4BC

Product Family	Lamp Type	Lamp Wattage	Door/Glass Type
WP =Wal-Pak BAA-WP =Wal-Pak, Buy American Act Compliant ³ TAA-WP =Wal-Pak, Trade Agreements Act Compliant ³	L =LED ^{1,2} P =Pulse Start Metal Halide S =High Pressure Sodium	LED 3B =27W 4B =32W 6B =46W Pulse Start Metal Halide 25 =250W 40 =400W High Pressure Sodium 25 =250W 40 =400W	[Blank] =Standard C =Full Cutoff Door

NOTE: 1 Five-year warranty. 2. DesignLights Consortium[®] Qualified and classified for DLC Standard and DLC Premium, refer to www.designlights.org for details. 3. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to [DOMESTIC PREFERENCES](#) website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.

VOLTAGE CHART

MT =Multi-Tap	120, 208, 240, 277V (Wired 277V)
TT =Triple-Tap	120, 277, 347V (Wired 347V)
ED =Electronic LED Driver	120-277V (Universal - 50-60Hz)