



Specifications

15 Watt LED floodlight with die cast aluminum housing, integral glare shield and tempered lens. Sleek good looks with minimal size. Supplied with 6" leads and ground wire.

Housing:

Precision die cast aluminum

Light Engine: PHILIPS LUMILED Actual Draw: 15W Lumen output: 1350 Lumens Power Factor: >.90 Color Temperature: 3000K

CRI: 85

Swivels:

1/2" NPS threaded arm with serrated locking swivel fits all standard mounting boxes. EZ Grip locknuts color matched to fixture.

Body Color:

Black, Gray, Bronze, Green

UL Listing:

Suitable for wet locations.

Voltage: 120-277VAC

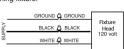
Warranty: 5 years

WIRING

WARNING: Make sure power is OFF before installing or maintaining fixture.

- Connect the black fixture lead to the black supply lead.
- 2. Connect the white fixture lead to the white supply lead.
- Connect the copper ground wire to the supply ground.













MORGAN HOPE FLEXIBLE NEON BORDER LED

Traditional NEON effect, 21st Century technology.....

A Low Wattage - High Output - LED Flexible Tube designed to replace Neon and Cold Cathode Lighting.

The MORGAN HOPE Neon Border LED is a flexible tubing system using high output LED technology enclosed in a colored PVC extrusion. It is designed to replicate the light source normally provided by Neon or Cold Cathode feature lighting. This brightly colored tube is designed to emit rich and vibrant feature lighting at night when powered and retain its accent color during the day when switched off.

The Benefits of the Morgan Hope Flexible neon lights are numerous including:-

Low wattage-high output, extremely long lifetime, low maintenance, very durable PVC exterior, easy to install and suitable for both indoor and outdoor installations.

Applications for the MORGAN HOPE Flexible Neon Border cover areas such as:

- Feature Band lighting for Restaurants, Bars, Clubs, Hotels, Petroleum Stations, etc....
- Cove Lighting for both exterior and interior applications.
- Feature band lighting for signage and billboards.
- Back lighting signage applications.
- Accent and Wall Wash lighting for bridges, buildings, towers, monuments, etc.....









FLEXIBLE NEON BORDER LED

Morgan Hope Flexible Neon Border LED is supplied in 6 foot lengths (actual measurement 70 Inches). Custom lengths are available upon request. Certain sections are manufactured to enable the installer to field cut the product every 3 inches, see field cutting instructions.

The Morgan Hope Flexible Neon Border LED 24VDC system carries a 5 year limited warranty and requires Morgan Hope LED power supplies and surge protection to complete the system.

The light engine uses high output, high quality surface mount LED's mounted on printed flexible circuit board. This circuit board is then completely encapsulated in silicone to maintain a water tight seal. The light engine is mounted into a UV grade PVC exterior and is factory sealed. Industrial grade sealant is injected into the tubing to ensure a waterproof seal.







Technical Specifications

Input Voltage: Low Voltage 24V

Use only Morgan Hope 24V LED driver. Available in 100W and 60W output.

1.8W for - Red - Yellow - Orange 1.6Wfor - Green - Blue - White - Warm White 25 surface mount LED's.

Tube Size:

LED's per foot:

Warranty:

"RD for RED

"GR" for Green "BL" for Blue

"CW" for Cool White 6500K "WW" for Warm White 3000K 5 Year Limited Warranty

Aluminium Channel, PVC Channel **Mounting Options:**

100W Driver 40 feet. Maximum power length:

60W Driver 25 feet.

UL and cUL Recognized, CE, ROHS System Certifications: Operating Temperature: -40 degrees C thru +70 degrees C.

** Product may contract or expand with temperature fluctuations

Accessories









VOLTAIRE MINI ARCHITECTURAL WALL PACK



LED

CATALOG # TYPE

PROJECT:

EXAMPLE

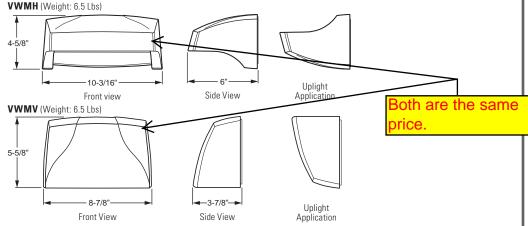
VWM H - L20/740 - T3 - DBZ - SDGL - OPTIONS - DIM - UNV SERIES

SHIELDING TYPE LUMEN CRI & DISTRIBUTION FINISH ACCESSORIES PACKAGE CCT

DRIVER OPTIONS/ VOLTAGE



CROSS SECTIONS



ORDERING INFORMATION

SERIES

VWM Voltaire Mini Architectural Wall Pack

TYPE Horizontal Vertical

LED PACKAGE

See back for fixture performance data.

LUMEN PACKAGE	NOMINAL LUMENS	MINIMUM CRI & CCT	AVERAGE SYSTEM WATTAGE	
L10	1,000	830 =80 CRI, 3000K 840 = 80 CRI, 4000K	13	
L17	1,700	750 = 70 CRI, 5000K	16	
L20	2000	730 =70 CRI, 3000K 740 = 70 CRI, 4000K 750 = 70 CRI, 5000K	25	

DISTRIBUTION

Lambertian distribution (L10 & L17 only)

Т3 Type III (L20 only)

FINISH OPTIONS

For custom color, visit the VWM at hew.com.1

Black (RAL #9004) BLK DBZ Dark bronze DBR Medium bronze GRAY Standard gray

SLV Satin aluminum (RAL #9006) WHT White (RAL #9003)

SHIELDING

Solite® diffused textured tempered glass lens SDGL Clear tempered glass lens CGL

OPTIONS

See back for option details.

PC Factory-installed button-style photocell (120V, 208V, or 277V only; must specify voltage)

SP10 10kA/10kV surge protection

DRIVER

DIM Dimming driver prewired for 0-10V controls

VOLTAGE

120V 120 208 208V 277 277V UNV 120-277V

FEATURES

GENERAL

- ► Engineered with the highest quality materials to ensure reliability, performance, and quality.
- Provides security and accent lighting for walkways, entries, perimeters, and facades.
- Intended for use in both uplight and downlight applications.
- Aesthetically designed horizontal and vertical housings blend seamlessly with a variety of architectural styles.
- Purposefully modeled to allow runoff of dirt and water for an always-clean appearance.
- Optional energy-saving photocell available.
- Rated >50,000 hours at 70% lumen maintenance (L70).
- ANSI 3000K, 4000K, or 5000K CCT.
- Minimum 70 CRI.
- Available in six standard finish options.
- ► This fixture is proudly made in the USA.

THERMAL

- ► Integral die-cast aluminum heatsink provides optimal passive thermal management.
- Concealed heatsink design preserves architectural appearance.
- Rated ambient operating temperature -30°C to 50°C (L10, L17), -30°C to 45°C (L20).

OPTICAL

► Full cutoff, dark-sky compliant optics (downlight applications only) place light where it's needed with minimal glare.

ELECTRICAL

- 0-10V dimming standard.
- 10kA/10kV surge protection optional.





For custom colors other than RAL. manufacturers' code plus two swatches (minimum 1" square) required.





VOLTAIRE MINI ARCHITECTURAL WALL PACK

LED

SPECIFICATIONS

Housing – Die-cast aluminum enclosure. **Thermal Management** – Integral die-cast aluminum heatsink and LED source provide passive thermal management. Rated ambient operating temperature -30°C to 50°C (L10, L17), -30°C to 45°C (L20).

Optical System - General output provides full cutoff.

LED Source - ANSI 3000K, 4000K, or 5000K CCT; 70 or 80 CRI LEDs. L20: circuit board design. L10 & L17: Chip on board.

LED Driver - 0-10V dimming.

Electrical - 120-277 VAC input range; 50-60Hz; power factor >.90; THD <20% at full load. FCC Class A compliant. Quick-disconnect wiring provided.

Finish - Super durable polyester powder coat bonded to phosphate-free, multi-stage pretreated metal, meets and exceeds AAMA 2604 specifications for outdoor durability. Available in six standard colors. Custom colors

Mounting - Surface mounts directly over a 4" maximum outlet box. Must be anchored to adequate structure that can safely support fixture weight (6.5 Lbs).

Listings -

- cCSAus certified as luminaire suitable for wet locations
- DesignLights Consortium qualified product. Not all versions of this product may be DLC qualified, see the DLC Qualified Products List at www.designlights.org/QPL
- Calculated L70 >50,000 hours per IES TM-21
- Tested to IES LM-79-08 standards
- Lighting Facts listed.
- IDA Dark-Sky approved (downlight applications only).
- RoHS compliant.
- IP65 rated.
- Title 24 compliant with PC option.
- BUG classified per IES TM-15-11.

Warranty - 5-year limited warranty, see hew.com/warranty.

DISTRIBUTION DETAILS









VWMHTL VWMVTL

VWMH/VT3 Clear Glass (CGL)

VWMH/V T3 Solite Glass (SDGL)

FIXTURE PERFORMANCE DATA

Series		Lumen Package	Average System Wattage ¹	ССТ	Clear Glass (CGL)		Solite Glass (SDGL		
	Distribution				Delivered Lumens ²³	Efficacy (Im/W) ²³	Delivered Lumens ²³	Efficacy (Im/W) ²³	BUG Ratings
		L10	13	3000	1188	91.3	1104	85.0	B1-U0-G0
VWMH				4000	1250	96.2	1163	89.4	
	TL			5000	1349	103.8	1255	96.5	
	11.	L17	16	3000	1644	102.8	1529	95.6	
				4000	1731	108.2	1610	100.6	
				5000	1840	115.0	1711	107.0	
		L20	25	3000	2387	95.5	2197	87.9	B1-U0-G1
	T3			4000	2390	95.6	2229	89.2	
				5000	2510	100.4	2341	93.6	
vwmv		L10	13	3000	1006	77.4	936	72.0	B1-U0-G0
				4000	1059	81.5	985	75.8	
	TL			5000	1201	92.4	1117	85.9	
	"			3000	1520	95.0	1414	88.4	
	'	L17	16	4000	1600	100.0	1488	93.0	
				5000	1704	106.5	1585	99.0	
		L20	25	3000	2139	85.6	2022	80.9	B1-U0-G1
	Т3			4000	2290	91.6	2136	85.4	
				5000	2301	92.0	2146	85.8	

- Wattage shown is average for 120V through 277V input.
- Efficacy/lumen output shown is average based on voltage input of 120V through 277V.
- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.

LUMEN MAINTENANCE

L	.umen Package	Ambient Temp.	Reported L70 Hours (TM-21)
		25°C	>60,000
	L20	35°C	>60,000
		45°C	>60,000
		25°C	>55,000
	L10/L17	35°C	>55,000
		45°C	>55,000

- Predicted lumen maintenance calculated from LED manufacturer IES LM-80 data and in-situ temperature measurement
- Reported L70 hours in accordance with IES TM-21

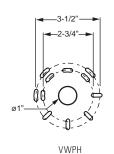
OPTIONS

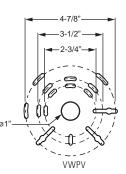


Factory-installed button-style photocell (120V, 208V, or 277V only; must specify voltage)

MOUNTING DETAILS

BOLT PATTERN DETAIL





Williams H.E. WILLIAMS, INC.