

Hazardous area LED lighting
Champ-Pak® CPMV LED wall pack

CROUSE-HINDS
SERIES

Champ-Pak CPMV

LED wall pack for hazardous areas



Safe. Reliable. Efficient.
3,000, 5,000 & 7,000 lumen models

EATON

Powering Business Worldwide



Champ-Pak CPMV wall packs

Safe. Reliable. Efficient.

Featuring a broad range of LED luminaires for harsh, hazardous and industrial environments, Eaton's Crouse-Hinds delivers lighting solutions that perform reliably in even the worst operating conditions. This reduces energy, maintenance, and manpower costs.

Why LED?

Energy efficiency

LED average energy consumption is significantly less than traditional fluorescent and HID fixtures

Start/restart time

Instant illumination vs. 10 minute restrike time for HID

Light quality

Higher color rendering compared to fluorescent and HID

Environmental benefits

Mercury-free LED eliminates disposal costs and lower energy consumption for a smaller carbon footprint

Why Crouse-Hinds?

Industry-best reliability

Built to withstand a wide array of applications

Thermal management

Effective heat sinking ensures longer life

Quality of light

Custom optics designed to maximize light distribution and intensity

Globally certified

Designed to global specifications for IEC and NEC applications

Serviceable drivers

Easy access to drivers for service or replacement

Design features

Built to last:

- Type 4X rated
- Impact-resistant lens sealed from the outside environment provides ingress protection against water and dust
- 60,000+ hours of operation at 55°C
- 5 year fixture warranty†

† Refer to the authorized distributor price book for Crouse-Hinds standard Terms and Conditions.



High efficiency:

- Up to 116 lumens per watt

Multiple lens options:

- Clear glass lens standard
- Optional lenses include diffused glass or clear polycarbonate

Simple installation and replacement:

- Contractor-friendly design is ideal for both retrofit and new construction
- Available with lever lock connectors



Rugged design

- Engineered to perform in ambient temperatures from -40°C to +55°C
- Die cast aluminum LED housing provides efficient thermal path to heat sink assembly
- Vertical fin design facilitates air flow and dust shedding



Why choose Champ-Pak LED wall packs?

Reliability. CPMV LED wall packs are engineered to deliver high lumen output and maintenance-free long life in the toughest conditions.

CPMV7L vs. 150 watt HID



70%
ENERGY EFFICIENCY



65%
TOTAL COST OF OWNERSHIP



100%
MAINTENANCE REDUCTION

Assumptions: Calculations based on overall life of the LED system. Energy cost of \$.09 per kilowatt; 24 hour per day operation; labor rate of \$75 each for 2 workers; average time for fixture maintenance of 1 hour.

Champ-Pak[®] CPMV LED wall pack



Rugged wall pack solutions.

Eaton's Crouse-Hinds Champ-Pak CPMV LED wall packs are engineered to provide maintenance-free illumination, long life and high performance in Class I, Division 2 areas.

The Champ CPMV LED is available from 3,000 to 7,000 lumens and is designed for extreme conditions and hazardous applications.

Available models:

Model number	Nominal lumens*	Watts	Efficacy	Equivalent MH luminaire
CPMV3L	3,400	30.6	111 Lm/W	70W
CPMV5L	5,200	44.8	116 Lm/W	100W
CPMV7L	6,800	58.9	115 Lm/W	150W-175W

*Nominal lumens based on 5000K CCT with clear glass lens. Wattage measured at 120 VAC.

Primary applications:

- Oil and gas refineries, drilling rigs, petrochemical facilities, food and beverage facilities, platforms, loading docks, tunnels, outdoor wall mounted general area lighting, and where flammable vapors, gases, ignitable dusts, fibers or flyings are present
- Locations requiring continuous and consistent light levels in extreme ambient temperatures
- Where extremely corrosive, wet, dusty, hot and/or cold conditions exist
- IP66, NEMA 4X, marine, wet locations and hose-down environments
- Classified and hazardous locations

Electrical ratings:

Model number	120V		277V		347V		480V	
	Input power	Input amps	Input power	Input amps	Input power	Input amps	Input power	Input amps
CPMV3L	30.6	0.26	30.6	0.11	29.9	0.09	30.3	0.07
CPMV5L	44.8	0.37	43.9	0.16	43.3	0.13	43.7	0.09
CPMV7L	58.9	0.50	57.8	0.23	56.0	0.16	56.2	0.12

All models

Voltage range, VAC	120-277V at 50/60 Hz, 347-480V at 60 Hz
Voltage range, VDC	125, 250VDC
Power factor	≥0.90
Surge	6kV standard
THD	≤ 20%

Certifications & compliances:

- DesignLights Consortium[®] Qualified (*pending*)
- NEC and CEC
 - UL Standards: UL1598, UL1598A, UL 844, UL8750,
 - CSA Standard: C22.2 No. 137
- Class I, Division 2, Groups A, B, C, D,
- Class II, Division 2, Groups F, G
- Class III & Simultaneous Presence
- Marine and Wet Locations, NEMA 4X and IP66



Temperature codes:

Classified area	40°C	55°C
Class I, Division 2 Groups A, B, C, D	T5	T4A
Class II, Division 2 Groups F, G	T6	T6



Champ-Pak CPMV wall packs are designed, tested and certified for extreme environments

Ordering information

Part number example CPMV3LW-UNV1-S891

Champ-Pack CPMV LED wall pack, NEC/CEC rated, 3,400 lumens, 3000K warm white, wall mount, 120-277 VAC, diffused glass window

CPMV 3L

Light source/intensity

3L	3,400 nominal lumens
5L	5,200 nominal lumens
7L	6,800 nominal lumens

W

Color temperature

BLANK	Cool (5000K)
N*	Neutral (4000K)
W	Warm (3000K)

*Consult factory for availability.

- UNV1

Voltage

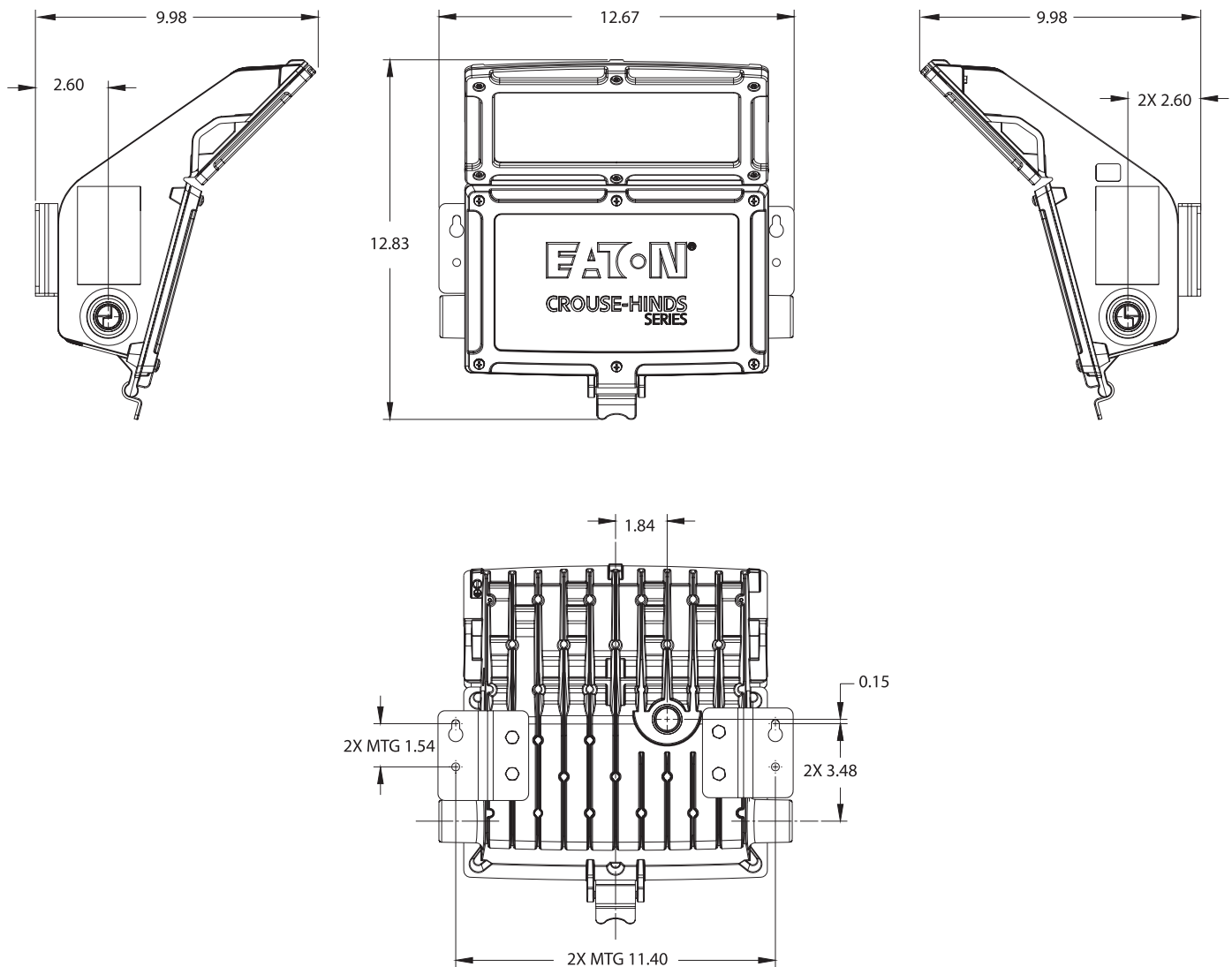
-UNV1	120-277 VAC, 50/60 Hz; 125, 250VDC
-UNV34	347-480 VAC, 50/60 Hz

- S891

Window material

BLANK	Clear glass
S891	Diffused glass
S903	Clear polycarbonate
S903D	Diffused polycarbonate

Dimensions



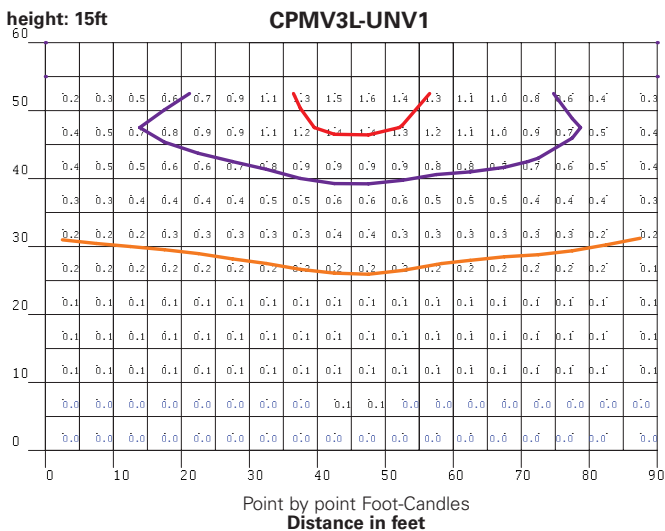
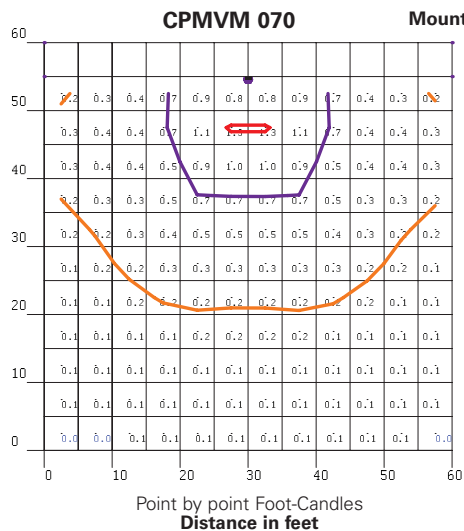
Photometrics

CPMV3L-UNV1

Illuminance (Fc)	
Average	0.3
Min.	0.0
Max.	1.6

CPMV3L-UNV1

Illuminance (Fc)	
Average	0.3
Min.	0.0
Max.	1.3

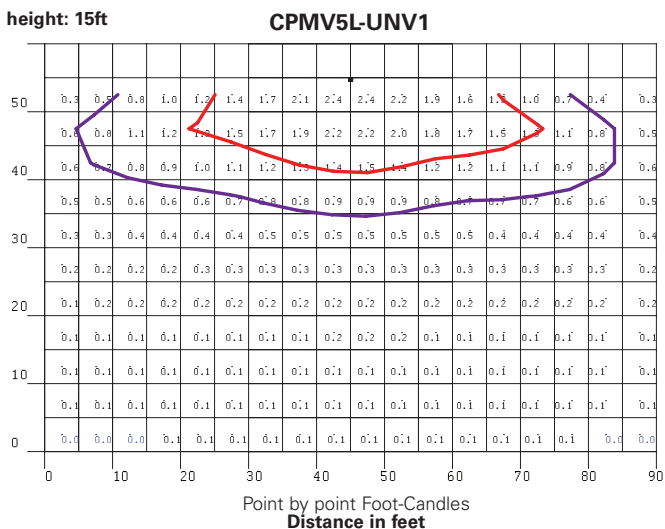
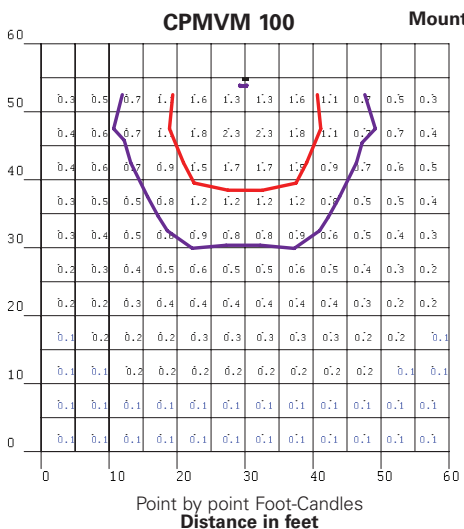


CPMV5L-UNV1

Illuminance (Fc)	
Average	0.5
Min.	0.0
Max.	2.4

CPMV5L-UNV1

Illuminance (Fc)	
Average	0.5
Min.	0.1
Max.	2.3

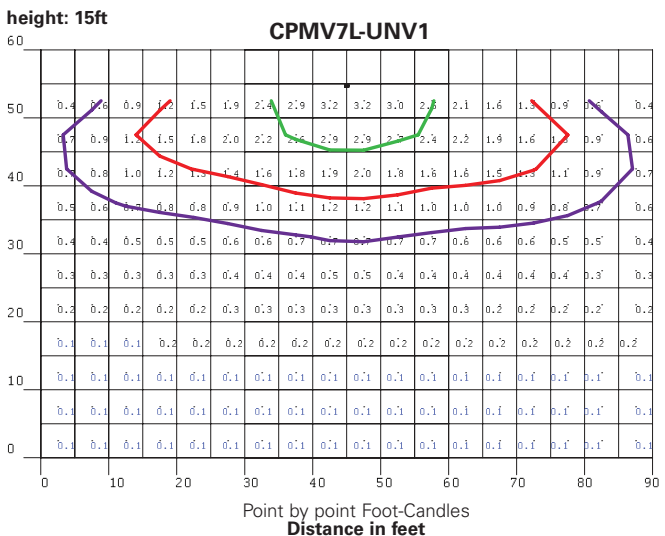
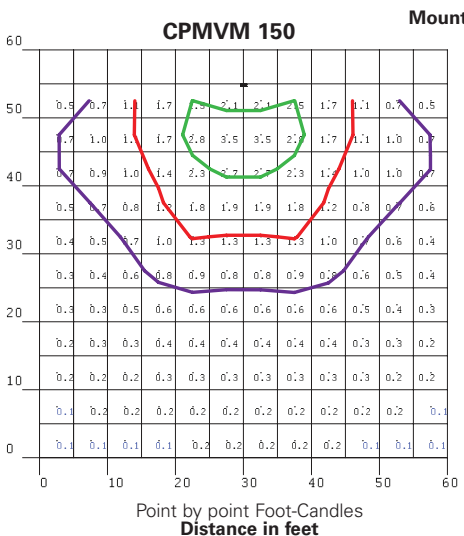


CPMV7L-UNV1

Illuminance (Fc)	
Average	0.7
Min.	0.1
Max.	3.2

CPMV7L-UNV1

Illuminance (Fc)	
Average	0.8
Min.	0.1
Max.	1.5



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