

Champ VMVL LED luminaires with emergency back-up

Cl. I, Div. 2, Groups A, B, C, D
Cl. I, Zone 2
Cl. II, Div. 1, Groups E, F, G
Cl. III & Simultaneous Presence

UL Listed
CSA Certified
Wet Locations
Type 4X; IP66

7L

Champ VMVL LED luminaires are engineered to provide maintenance-free illumination in the most demanding hazardous rated environments.

Champ VMVL LED luminaires are now available with an integral battery back-up with 90 minutes of emergency lighting to keep your facility and people safe.

Applications:

- Egress and emergency lighting for areas requiring uninterrupted lighting during power failure
- Hazardous rated indoor and outdoor emergency lighting in manufacturing plants, heavy industrial, chemical and petrochemical facilities, platforms, loading docks and parking areas

Certifications and compliances:

NEC/CEC:

- Class I, Division 2, Groups A, B, C, D
- Class I, Zone 2
- Class II, Division 1, Groups E, F, G
- Class III
- Simultaneous Presence
- Wet locations, Type 4X, IP66

UL standards:

- UL844 – Hazardous (Classified) Locations
- UL1598 – Luminaires
- UL1598A – Marine Locations
- UL924 – Emergency Luminaire

CSA standard:

- C22.2 No. 137

Photometrics:

- Refer to www.eaton.com (under the Resources tab of each product family) for specific photometric IES files



Electrical ratings:

Current draw: 120-277
VAC^A

Model	Input power (watts)	Nominal lumens	Battery EM	
			not charging	Battery EM charging ^C
VMVL-3 ^B	30	3,250	0.10 - 0.27A	0.12 - 0.32A
VMVL-5	46	5,537	0.16 - 0.45A	0.18 - 0.50A
VMVL-7	68	7,442	0.21 - 0.61A	0.23 - 0.66A
VMVL-9	76	9,234	0.26 - 0.76A	0.28 - 0.81A
VMVL-11	102	11,114	0.32 - 0.92A	0.32 - 0.92A

All models – emergency output mode

VMVL-UNV1	1,000 lumens (100-277V)
Voltage range, VAC ^A	100-277V at 50/60 Hz
Power factor	≥0.90
THD	≤20%

All models

Surge protection	4kV
Effective projected area	1.35 ft ²
Dimensions (HxW)	15.68" x 11.56"
Weight	32.7 lbs

Temperature performance data:

VMVL-3 to VMVL-7

	40°C	50°C
Class I, Division 2	T4A	T4A
Class II, Division 1	T6	T6
Simultaneous rating		
Class I, Divisions 1 & 2	T3A	T3
Class I, Zone 2	T4	T4
Zone 21	68°C	68°C

VMVL-9 and VMVL-11

	40°C
Class I, Division 2	T6
Class II, Division 1	T6
Simultaneous rating	
Class I, Divisions 1 & 2	T3A
Class I, Zone 2	T6
Zone 21	68°C

^A IEC voltage; 100-240 VAC at 50/60 Hz.

^B For VMVL-3: PF >0.9 from 100-255 VAC.

^C Maximum AC power draw by the charge controller is 4 watts.

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Ordering information:

Part number example

VMVL-3-W-2A-G-UNV1-EM1

Light source / intensity

3	3,000 nominal lumens
5	5,000 nominal lumens
7	7,000 nominal lumens
9	9,000 nominal lumens
11	11,000 nominal lumens

Color temperature

BLANK	Cool white (5000K), 70 CRI
N [Ⓢ]	Neutral white (4000K), 80 CRI
W	Warm white (3000K), 80 CRI

Mounting style

BLANK	No mounting module	2C	¾" ceiling
J	1½" stanchion, 25° angled	3C	1" ceiling
P	1½" stanchion, straight	20C	20mm ceiling
2A	¾" pendant	25C	25mm ceiling
3A	1" pendant	2HA	¾" flexible pendant
20A	20mm pendant	2TW	¾" wall
25A	25mm pendant	3TW	1" wall
2B	¾" cone pendant	20TW	20mm wall
3B	1" cone pendant	25TW	25mm wall

Lens guard

BLANK	No guard
G	Wire guard

Optics

BLANK	Type V optic standard
R1 [Ⓢ]	Type I optic
R3 [Ⓢ]	Type III optic

Voltage

UNV1	100-277 VAC, 50/60 Hz
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Options

EM1	Emergency driver system
S812	Trunnion mount with pin
S831	Safety cable
S890	Quick Clip

Lens material

BLANK	Clear glass
S891	Diffused glass
S903	Polycarbonate

7L

Options:

Description	Suffix
• Emergency driver system.....	EM1
• Trunnion mount with pin	S812
• Safety cable	S831
• Quick Clip	S890
• Diffused glass lens	S891
• Polycarbonate lens	S903

Ⓢ Consult factory for lead time.
Ⓢ Available on VMVL-3 to VMVL-7 models only.
Ⓢ Available with ceiling mounted modules only.

Accessories (ordered separately):

Description	Cat. #
• Trunnion mount kit with pin	VMVL S812 K1 [Ⓢ]
• Safety cable	VMVL S831 K1
• Quick Clip	VMVL S890 K1
• Wire guard	P3002
• Replacement EM battery.....	VMVL EM BATTERY REPLACEMENT KIT
• Replacement EM driver...	VMVL EM DRIVER REPLACEMENT KIT