



Champ® NVMV LED Series

Leading the way in LED technology for industrial and hazardous applications



The Champ NVMV LED Family

NVMV LED Series Luminaires are designed to provide full-spectrum, crisp, white light with a true IES type V distribution. This white light output provides the human eye with better visual acuity compared to the poor rendering and color quality produced by a typical HPS fixture. Three versions of the Champ NVMV LED are available, providing ideal solutions for a wide range of applications.

NVMV5L* - Ideal for Low-light Applications

The NVMV5L luminaire is ideal for locations requiring lower light levels. This fixture provides light output equivalent to many 100W - 150W high pressure sodium (HPS) luminaires.

NVMV7L* - Wide Area Illumination

The NVMV7L luminaire is designed for wide area illumination and for mounting heights of greater than 3.7 meters (12 feet). Using less than 100 watts, the NVMV7L provides light output equivalent to many 175W metal halide (MH) fixtures, while providing 60,000 hours of illumination; over 6 times the life of a typical MH luminaire.

NVMV9L* - High Lumen Output

The high output NVMV9L provides increased lumen performance at the same power level of the 7L model. The NVMV9L uses advanced LED technology to achieve a higher lumen/watt rating and can be used for mounting heights up to 6 meters (20 feet).

*N prefix designates IECEX/ATEX certification.

Champ NVMV LED Benefits

Enhance safety & productivity

- Instant illumination and restrike
- Better visibility with crisp, white light
- T5 temperature rating – safely operate in the most hazardous environments
- Cold temperature operation / no warm-up required
- “No lights-out” feature – if a single LED fails, circuit provides enough useable light to remaining LEDs

Reduce operation & maintenance costs

- Easy installation - compact modular fixture attaches onto existing Champ mounting module
- Energy efficient technology use up to ½ the power of standard HID luminaire
- Provides up to 60,000 hours rated life – eliminates need for frequent lamp replacement
- Contains no mercury or other hazardous substances

Reliable performance in any environment

- Shock and vibration resistant solid-state luminaires have no filaments or glass components that could break.
- Operating ambient -40°C to 55°C
- Low temperature starting -30°C
- Dark sky compliant

Certifications & Compliances

IECEX/ATEX:

- Zone 2 (gas)
- Ⓜ II 3 G Ex nA II (T4 at 55°C)
- Ⓜ II 3 G Ex nA II (T5 at 40°C)
- Wet location, IP66
- Type of protection: nA

Certificate of Conformity:

- IECEX UL10.0008
- DEMKO 10 ATEX 0915702 (gas)

Relevant Standards:

- EN60079-0:2006
- EN60079-15:2006

Electrical Ratings

	NVMV5L	NVMV7L	NVMV9L
Voltage Range, VAC†	120V-240V	120V-240V	120V-240V
Frequency	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
Input Power	70 W	98 W	98 W
Input Amps	0.6/0.3	0.9/0.5	0.9/0.5
Power Factor	>.85	>.85	>.85

†277V option available.

Safe, Efficient and Easy to Install

Installation and replacement made simple

Modular design - This contractor-friendly design is ideal for both retrofit and new construction applications. These luminaires are installed in the same manner and use the same mounting modules as existing Champ® Series Luminaires. The compact modular design of the NVMV allows for easy component replacement and future upgrade.

High efficiency and lumen output

Driver module assembly - High efficiency LED drivers provide regulated current to the LEDs. The LED drivers are designed to provide reliable operation in the harshest environments.

Safe, reliable heat transfer

Heatsink - A durable extrusion provides safe and effective heat transfer from the LED assembly to the outside environment, ensuring low LED junction temperature, reliability and sustained lumen performance. The vertical fin design facilitates airflow and dust shedding.



NEMA 4X Rated

LED Housing Assembly - The LED housing is constructed of durable die cast aluminum providing an efficient thermal path to the heatsink assembly. The impact resistant lens is sealed from the outside environment and provides ingress protection against water and dust. Multi-die LED arrays are used to provide energy efficient, long-life white light.

IECEX/ATEX Champ Series Ordering Information

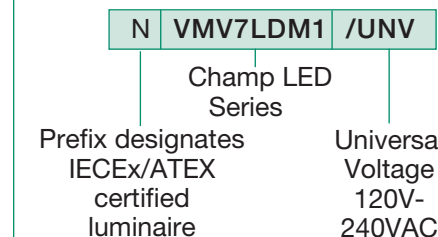
STEP ONE - Order Champ NVMV LED luminaire

5L Series	7L Series	9L Series
NVMV5LDM1/UNV	NVMV7LDM1/UNV	NVMV9LDM1/UNV

STEP TWO - Order mounting module

Mounting Module	Metric		NPT		
	M20	M25	3/4"	1"	1-1/2"
Pendant	APM20	APM25	APM2	APM3	----
Flex Pendant	----	----	HPM2	----	----
Ceiling	CM20	CM25	CM2	CM3	----
Wall	TWM20	TWM25	TWM2	TWM3	----
Stanchion Angle	----	----	----	----	JM5
Stanchion Straight	----	----	----	----	PM5

Ordering Example



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