

Champ® FMV LED Series Floodlight Fixtures

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

UL Listed & CSA Certified
 IECEx / ATEX
 Simultaneous Presence
 Wet Location, Type 4X, IP66

2L

The Champ FMV LED Family

FMV LED Series Floodlights are designed to provide full-spectrum, crisp, white light. Five versions of the Champ FMV LED are available, providing ideal solutions for a wide range of applications.

FMV Model	Equivalent MH HID Lamp	Energy Savings
FMV 5L	100W-150W	Up to 62%!
FMV 7L	150W-175W	
FMV 9L	175W-250W	
FMV 11L	250W-400W	
FMV 13L	400W	

Applications:

- Five lumen outputs allow for installation in numerous mounting heights
- Locations requiring continuous and consistent light levels in extreme ambient temperatures
- Areas requiring frequent on-and-off of lights
- Where flammable vapors, gases, ignitable dusts, fibers or flyings are present; indoors or outdoors
- Where extremely corrosive, wet, dusty, hot and/or cold conditions exist
- Type 4X, marine, wet locations, and hose-down environments
- Indoor and outdoor area lighting in plants, buildings, and parking areas
- Manufacturing plants; heavy industrial, chemical, petrochemical or pharmaceutical facilities; platforms; loading docks; outdoor mounted general area lighting

Drivers:

Model	5L - 13L
Standard	90-305 VAC, 50 / 60 Hz; 108-250 VDC
Option 1	347 VAC Model
Option 2	480 VAC Model

Champ FMV LED Benefits:

Enhance safety and productivity

- Instant illumination and restrike
- Better visibility with crisp, white light
- Minimum T4 temperature rating – safely operate in the most hazardous environments and any non-hazardous location
- Cold temperature operation / no warm-up required

Electrical Ratings:

	FMV 5L	FMV 7L	FMV 9L	FMV 11L	FMV 13L
Voltage Range, VAC	100-277V 50 / 60 Hz 347 / 480V 60 Hz				
Voltage Range, VDC	108-250	108-250	108-250	108-250	108-250
Input Power (Nom.)	64	89	121	149	179
Input Amps (Max.)	0.550	0.800	1.083	1.608	1.608
Power Factor	>0.85	>0.85	>0.85	>0.85	>0.85

Crouse-Hinds

by **E.T.N**

- “No lights out” feature – if a single LED fails, others will remain lit from other drivers – minimum 50% output maintained
 - Terminals – 3 x 6 sq. mm. for IEC version
- ### Reduce operation and maintenance costs
- Easy installation - compact modular fixture attaches onto existing SFA6 and SWB6
 - Energy-efficient technology – use up to 1/2 the power of standard HID luminaires
 - 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 – greatly reduces the risk of premature failure
- Operating ambient -40°C to 55°C
- Dark sky friendly with optional visor

Certifications and Compliances:

- DesignLights Consortium® approved for select models (refer to Ordering Information for details)

NEC and CEC

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

UL Standards

- UL844
- UL1598 Luminaires, UL1598A Marine

CSA Standard

- CSA C22.2 No. 137

IECEx/ATEX

- IECEx UL 11.0054X
- Ex nA nR IIC T4 Gc Tamb -30°C to +55°C
- Ex nA nR IIC T5 Gc Tamb -30°C to +40°C
- Ex tc IIIC T68°C Dc IP66 Tamb -30°C to 40°C
- DEMKO 12 ATEX 115535X
- Ex II 3 G Ex nA nR IIC T4 Gc Tamb -30°C to +55°C
- Ex II 3 G Ex nA nR IIC T5 Gc Tamb -30°C to +40°C
- Ex II 3 D Ex tc IIIC T68°C Dc IP66 Tamb -30°C to +40°C
- CEPEL Ex-1956/10



Standard Materials:

- Housing – copper-free aluminum with Corro-free™ epoxy powder coat
- Lens – shatter-resistant glass
- Gaskets – silicone
- External hardware – stainless steel
- Factory-sealed, no external seals required

LED System:

- High brightness light emitting diode (LED) arrays
- Color temperature: 3000K (CRI 82) and 5600K (CRI 65) options available
- Advanced heat sink design ensures LED does not exceed manufacturer’s temperature ratings across all specified ambient conditions
- LM-80 reports available upon request

Options:

Description	Suffix
Fused (only applies to UNV1 model, not available for 347V or 480V; NOT marine or cUL Listed) (NEC version only)	S658
Two conduit/cable glands of like thread installed	S886

Accessories

(Order Separately):

Description	Cat. No.
Bolt-on visor (sold separately)	DSV1
Bolt-on wire guard (sold separately)	P61
Floodlight slipfitter (sold separately)	SFA6
Slipfitter wall mount adapter (sold separately)	SWB6

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