



Clear Polycarbonate

Diffused Polycarbonate

Clear Glass

Glass Refractor

## APPLETON™ HAZARDOUS CONTENDER™ LED LUMINAIRES

### APPLICATIONS

- Enclosed and gasketed fixtures suitable for use in:
  - A wide range of industrial, chemical processing and other areas where flammable gases, vapors, and dusts are present
  - Marine and wet locations
  - Areas of low clearance, low ceiling heights or where fixture weights must be minimized
  - Areas where water inside conduit is an issue
- Typical applications include:
  - Walkways/catwalks
  - Stairwells
  - Grain elevators
  - Tunnels
  - Pipe racks
  - Offshore rigs
  - Vessel lighting
  - Cooling towers
  - Processing areas

### FEATURES

- Mounts directly to the following Crouse-Hinds™ Champ® VMV mounting hoods:

Pendant:	APM2, APM3
Flexible Pendant:	HPM2
Ceiling:	CM2, CM3
Wall:	TWM2, TWM3
Quad:	QM25
25° Stanchion:	JM5
Straight Stanchion:	PM5

- Compact light weight low profile design is suited for low mounting heights.
- Customize to the application requirements with four different field replaceable globe options: clear and diffused polycarbonate, clear glass, or prismatic glass refractor.

✦ Crouse-Hinds is a registered trademarks of Cooper Crouse-Hinds.

- Three light output levels for retrofit of HID fixtures up to 175 W.

Nominal Lumens ①	HID Equivalent	Model Number
3300	70–100W	VMV3LCG5BU
4400	100–150W	VMV4LCG5BU
5500	150–175W	VMV5LCG5BU

① Nominal lumen value for 5000K, clear glass globe, Type V. Detailed lumen information is provided in tables in catalog pages.

- Luminaire comes pre-wired with 12" of 14 AWG SO cable protruding from the IP68 watertight NPT hub at the top of the luminaire hood.
- Standard 6 kV surge protection.
- Ambient Temperature:
  - BU: -40 °C to +65 °C (-40 °F to +149 °F)
  - BH: -40 °C up to +65 °C (-40 °F up to +149 °F)
- Heavy duty, high temperature silicone rubber gaskets.
- LED L70 rated at 100,000 Hours with a calculated fixture life of 200,000 hours @ +25 °C (+77 °C).
- Field replaceable globes and IP66 rated LED driver.
- Rugged housing with superior thermal design translates to long luminaire life.

### OPTIONS

- Glass globe and glass refractor guard available, purchase separately.
- Compatible with Mercmaster™ LED Low Profile visor, angled reflector, and safety cable accessories, purchase separately.

### STANDARD MATERIALS

- Luminaire body: cast copperfree (4/10 of 1% max.) aluminum
- All hardware: stainless steel
- Globe: polycarbonate or glass
- Refractor: heat-resistant prismatic glass

- Glass globe guard: stainless steel wire
- Glass refractor guard: die cast aluminum
- Reflector: fiberglass reinforced white polyester

### STANDARD FINISHES

- Luminaire bodies and glass refractor guard: gray epoxy powder coat finish, electrostatically applied for complete uniform protection

### DESIGNLIGHTS™ CONSORTIUM

- Check DLC QPL for current list of products.

### NEC/CEC RATINGS

- Class I, Division 2, Group A, B, C, D
- Class I, Zone 2, Group IIC
- Class II, Division 1, Group E, F, G
- Zone 21 and 22, Group IIIC
- Class II, Division 2 Group F, G
- Class III
- Suitable for use in Wet Locations
- Marine Outside Type (Salt Water) For USA ONLY
- Type 3R, 4 and 4X
- IP66/67
- Simultaneous Exposure
- American Bureau of Shipping (ABS) Certified
- Master Contract 164460; Certificate Number 70170001

### NEC/CEC CERTIFICATIONS AND COMPLIANCES

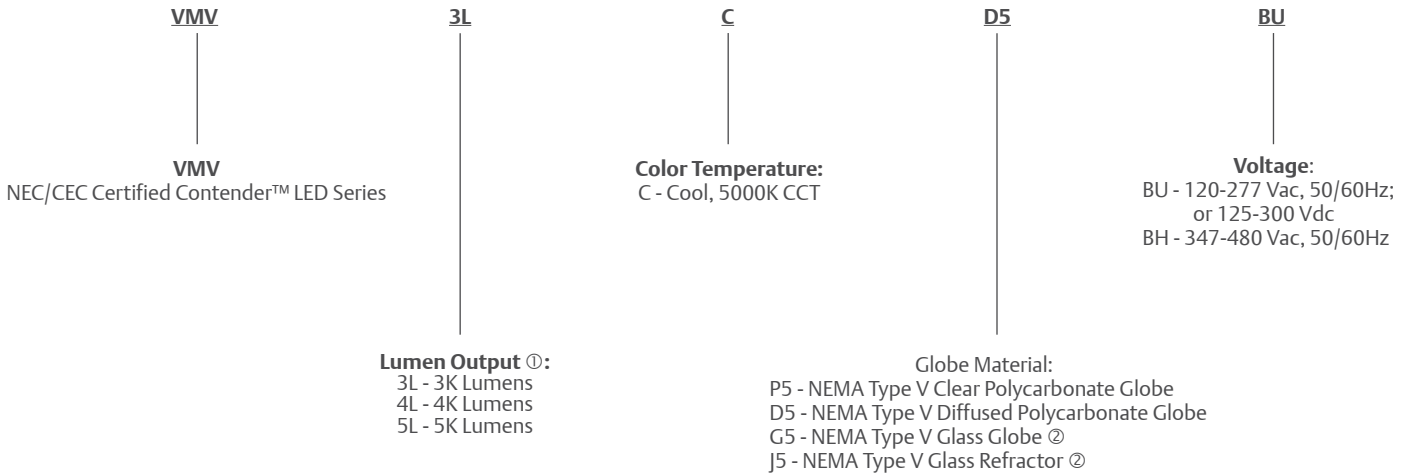
- UL Standard: UL 50E, Second Edition; UL 844, Thirteenth Edition; UL 1598, Third Edition; UL 1598A, First Edition; UL 8750, Second Edition;
- CSA Standard: C22.2 No 0-10; C22.2 No. 94.2-15; C22.2 No. E60598-1:16; C22.2 No. 137-M1981; C22.2 No. 250.0-.08; C22.2 No. 250.13-14; C22.2 No. 60529:16
- cCSAus Listed: Master contract 164460; Certificate Number 70170001

APPLETON™

For product information:  
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# APPLETON™ HAZARDOUS CONTENDER™ LED LUMINAIRES



## Example part number: VMV3LCD5BU

This is a Contender™ LED Series luminaire with 3000 lumen output, 5000K CCT color temperature, with a NEMA Type V Diffused Polycarbonate Globe. The voltage is 120-277 Vac, or 125-300 Vdc 50/60Hz.

	VMV3L		VMV4L		VMV5L	
<b>Voltage Range</b>	<b>BU:</b> 120–277 Vac, 125–300 Vdc, 50/60Hz				<b>BH:</b> 347–480 Vac, 50/60Hz	
<b>Input Power (@ 120V)</b>	28W		38W		48W	
<b>Color Temperature (CCT)</b>	5000K		5000K		5000K	
– P5 Lumens	3200		4300		5300	
– D5 Lumens	3100		4200		5150	
– G5 Lumens	3300		4400		5500	
– J5 Lumens	3000		4000		4900	
<b>Line Current</b>	0.28 @ 120V 0.13 @ 277V	0.10 @ 347V 0.06 @ 480V	0.38 @ 120V 0.16 @ 277V	0.13 @ 347V 0.08 @ 480V	0.48 @ 120V 0.20 @ 277V	0.16 @ 347V 0.10 @ 480V
<b>T-Code (@ 65°C simultaneous use)</b>	T4		T4		T4	
<b>Ambient Temperature</b>	-40°C to +65°C (-40°F to +149°F)					
<b>CCT/CRI</b>	5000K/70 CRI					
<b>Fixture Weight</b>	5.4 kg (11.8 lb)					
<b>Lifetime Warranty</b>	60,000+ hours; 5 years					

① For specific lumen output information, see Lamp Comparison Chart.

② Guards for the glass refractors and globes are ordered separately. See the Accessories for more information.