

Project	
Type	
Date	
Cat #	

## CRV - Vapour Proof

Surface/Pendant mount LED

Suitable for ISO Class 4 - 8 Cleanrooms

Agriculture, Swimming Pools, Car Washes, Parking Garages and Food Processing



### Application Features

The CRV series by Certolux is a specification-grade vapour proof LED luminaire for Cleanroom and other adverse environment applications. The luminaire can be surface or pendant(chain or cable)mounted and is IP65/IP66/IP67 certified, NEMA 4X rated. For use in Hazardous Locations, consult ordering key.

### Specifications

#### Housing

Lightweight, impact-resistant glass reinforced polyester housing. Holes on each end are 21mm(.825") nominal diameter and are provided with two EPDM rubber caps.

#### Lens and Lens Retention

Multiple injection molded lens options made from 100% Impact Modified Acrylic or polycarbonate available (See ordering key). The lens is held in place with plastic latches (optional stainless steel available, see ordering key). Acrylic lenses and diffusers are recommended in the following applications: Swimming Pools, Food Processing, Car Washes and Agriculture.

#### Warranty

Limited 5 year warranty  
(Terms and Conditions apply)

#### Gasket

Poured in place gasket provides a continuous seal between the lens and housing.

#### Mounting

Stainless steel mounting brackets allow for hole free surface mounting of the housing. Mounting brackets snap onto the housing at multiple places. Bail attachment comes standard to allow for chain or cable mounting (by others).

#### Finish

The internal component are polyester powder painted white finish and offers a high reflectivity coating for improved lighting performance and efficiency.

#### Electrical

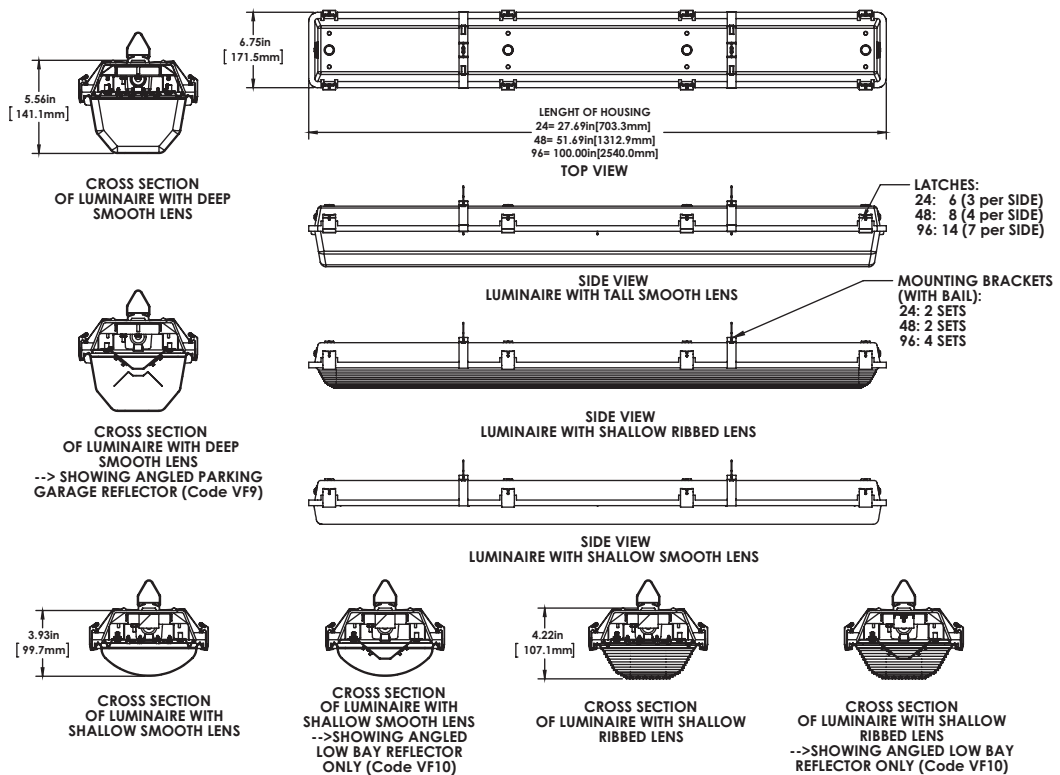
Long life LED's coupled with high efficiency drivers provide quality illumination. Rated to deliver an L80 performance >50,000 hours. The standard driver has a THD of <20%. Standard low-voltage dimming (0-10v, 1%). All electrical components are CSA or UL approved.

#### Approvals

Approved to CSA and UL standards. Wet locations, IP65/IP66/IP67, housing is NSF component listed. For use in Hazardous Locations Class I Zone 2, Zone 22. Consult ordering key for HazLoc options and Temperature Codes.



### Dimensions



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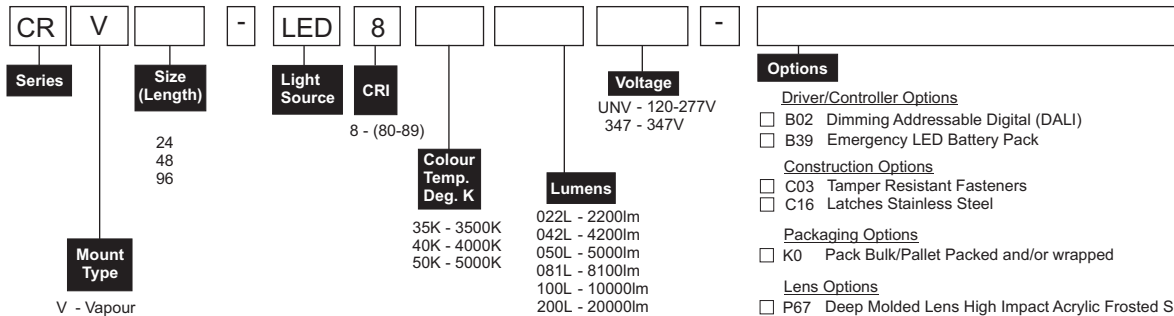
Size	Lumen Package (Ambient Min/Max)	Delivered lumens 4000K 80CRI <sup>1,2</sup>												Wattage	Temp. Codes (XH Only)
		Frosted Deep		Clear Deep		Frosted Lineal		Clear Lineal		Frosted Shallow		Clear Shallow			
		P67 Lens	lm/W	P70 Lens	lm/W	P69 Lens	lm/W	P71 Lens	lm/W	P83 Lens	lm/W	P84 Lens	lm/W		
24	022L (-40°C/50°C)	2184	110	2154	109	2086	105	2107	105.35	2184	110	2154	109	20	T4
24	042L (-40°C/50°C)	4240	128	4182	126	4050	123	4091	116.8857	4240	128	4182	126	35	
48	042L (-40°C/55°C)	4458	134	4594	138	4179	134	4221	131.9063	4458	134	4594	138	32	
48	050L (-40°C/50°C)	5149	132	5305	135	4826	123	4874	118.878	5149	132	5305	135	41	
48	081L (-40°C/45°C)	8216	128	8466	132	7701	120	7778	121.5313	8216	128	8466	132	64	
48	100L (-40°C/35°C)	10123	123	10427	127	9489	116	9584	112.7529	10123	123	10427	127	85	
96	100L (-40°C/55°C)	10298	132	10608	135	9652	123	9749	114.6941	10298	132	10608	135	85	T3C
96	200L (-40°C/50°C)	20246	123	20853	127	18978	116	19168	116.878	20246	123	20853	127	164	

Size	Lumen Package (Ambient Min/Max)	Delivered lumens 5000K 80CRI <sup>1</sup>												Wattage	Temp. Codes (XH Only)
		Frosted Deep		Clear Deep		Frosted Lineal		Clear Lineal		Frosted Shallow		Clear Shallow			
		P67 Lens	lm/W	P70 Lens	lm/W	P69 Lens	lm/W	P71 Lens	lm/W	P83 Lens	lm/W	P84 Lens	lm/W		
24	022L (-40°C/50°C)	2250	113	2219	112	2149	108	2170	108.5	2250	113	2219	112	20	T4
24	042L (-40°C/50°C)	4367	132	4307	130	4172	127	4214	120.4	4367	132	4307	130	35	
48	042L (-40°C/55°C)	4592	138	4732	142	4304	130	4347	135.8438	4592	138	4732	142	32	
48	050L (-40°C/50°C)	5304	135	5465	139	4971	127	5021	122.4634	5304	135	5465	139	41	
48	081L (-40°C/45°C)	8462	132	8720	136	7932	124	8011	125.1719	8462	132	8720	136	64	
48	100L (-40°C/35°C)	10427	127	10744	131	9774	119	9872	116.1412	10427	127	10744	131	85	
96	100L (-40°C/55°C)	10608	135	10930	139	9942	127	10041	118.1294	10608	135	10930	139	85	T3C
96	200L (-40°C/50°C)	20853	127	21488	131	19547	119	19742	120.378	20853	127	21488	131	164	

<sup>1</sup> Lumens/watt and wattage based on 25°C

<sup>2</sup> For 3500K Lumens multiply 4000K values by .97

### Options



**NOTE: Occupancy/Motion Sensors and 1% dimming are not available with Hazardous Location Luminaires (XH Option)**

† Only available with 48" Housing

**Lumen/System Watts Red LED Array (One Row)**

Size	Lumens	System Watts
48"	1020 2045	27 54

**Options**

**Driver/Controller Options**

- B02 Dimming Addressable Digital (DALI)
- B39 Emergency LED Battery Pack

**Construction Options**

- C03 Tamper Resistant Fasteners
- C16 Latches Stainless Steel

**Packaging Options**

- K0 Pack Bulk/Pallet Packed and/or wrapped

**Lens Options**

- P67 Deep Molded Lens High Impact Acrylic Frosted Smooth
- P70 Deep Molded Lens High Impact Acrylic Optically Clear Smooth
- P69 Shallow Molded Lens High Impact Acrylic Frosted Linear Ribbed
- P71 Shallow Molded Lens High Impact Acrylic Clear Linear Ribbed
- P78 Shallow Molded Lens Polycarbonate Frosted Linear Ribbed
- P79† Shallow Molded Lens Polycarbonate Clear Linear Ribbed
- P83† Shallow Molded Lens High Impact Acrylic Frosted Smooth
- P84† Shallow Molded Lens High Impact Acrylic Clear Smooth
- P85† Shallow Molded Lens Polycarbonate Frosted Smooth
- P86† Shallow Molded Lens Polycarbonate Clear Smooth

**Wiring Options**

- V11 Hub for 1/2-in NPT Threaded Pipe (3/4-in OD)
- V15 Liquid Tight Strain Relief Cord Connector for 7/8" KO
- V68 Microwave Occupancy Sensor
- V80 Red LED array - One Row

**Approval and Rating Options**

- XH Class I Zone 2 Groups IIC, IIB + H2, IIA  
 Zone 22 Groups IIB, IIA  
 (Class I Div 2 Groups A,B,C,D  
 Class II Div 2 Groups F,G  
 Class III)  
 T3C or T4

Specifications and data subject to change without notice - Other options may be available consult factory.