

CRS-LOW PROFILE

Certolux Cleanroom Surface Mount Low Profile Troffer

Project:	Catalog:	Type:
Notes:		

Product Description

The CRS-Low Profile series is engineered for demanding environments where precision and reliability matter most. Featuring a single piece, beveled doorframe, this surface-mounted luminaire ensures a continuous seal for ISO Class 3–8 cleanrooms. Its low-profile design combines durability with ease of maintenance, making it ideal for applications that require stringent contamination control and superior illumination. Suitable for use in Biosafety spaces levels 1-4.

Features

- Emergency LED battery pack
- IP65 rated
- Single piece, beveled doorframe
- Shallow design

Featured Options

- Emergency LED battery pack
- Row-mounting
- Range of lens options (see page 2, ordering key)
- DALI dimming



Construction

Precision formed, TIG welded, one piece 16 to 20 gauge cold rolled steel housings. Welded studs are used in order to mount components, offering superior performance over PEM style fasteners.

Mounting

Mounting holes are provided on the back of the housing.

Door Frame

One piece 60° beveled perimeter door frame, fabricated from 18 gauge, cold rolled steel with TIG welded corners. It is retained by stainless steel aircraft cable when opened. Specialized, military grade, flat head, stainless steel, captive fasteners with integral teflon washers easily secure door frame to housing through use of floating cage nuts.

Door Frame Gasket

Custom shaped, extruded closed cell silicone gasketing is used throughout to ensure precise, seals between door assembly and housing. Vulcanized corners ensure continuity of the seal on the frame gasket. Continuous retention-mounts mechanically secure and evenly distribute force against both gasketing and diffuser.

Reflector

Painted white reflector is standard.

Lens & Lens Retention

Standard lens: Impact resistant 0.125" diffuse acrylic lens. All lens choices provide a smooth external surface for easy cleaning. Sealed to doorframe with RTV silicone sealant and retained by continuous perimeter brackets. Other lens options available. (see product ordering guide).

Finish

5-stage pretreatment, polyester powder coating. Antimicrobial Matte white polyester powdercoat finish available.

Electrical

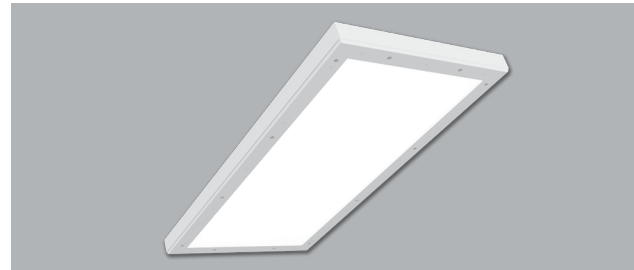
Long life LED's coupled with high efficiency drivers provide quality illumination. Rated to deliver an L80 performance for over 50,000 hours. The standard driver has a THD of <10%. Standard low-voltage dimming (0-10v, 1%). All electrical components are CSA or UL approved.

Warranty

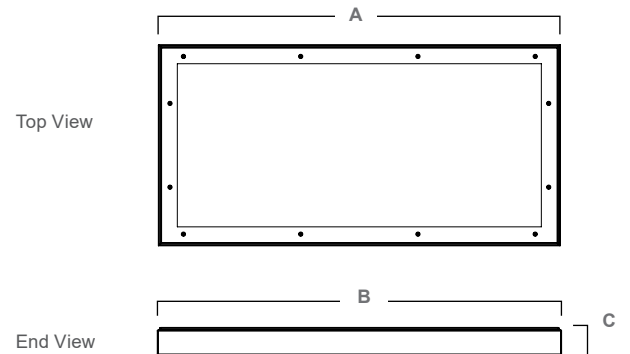
5-year limited warranty. For complete warranty, click here: 

Approvals

- ETL Listed to UL1598 and CSA22.2 no 250.0.
- Listed for wet locations (Ceiling Mount only).
- RoHS Compliant.



Dimensions



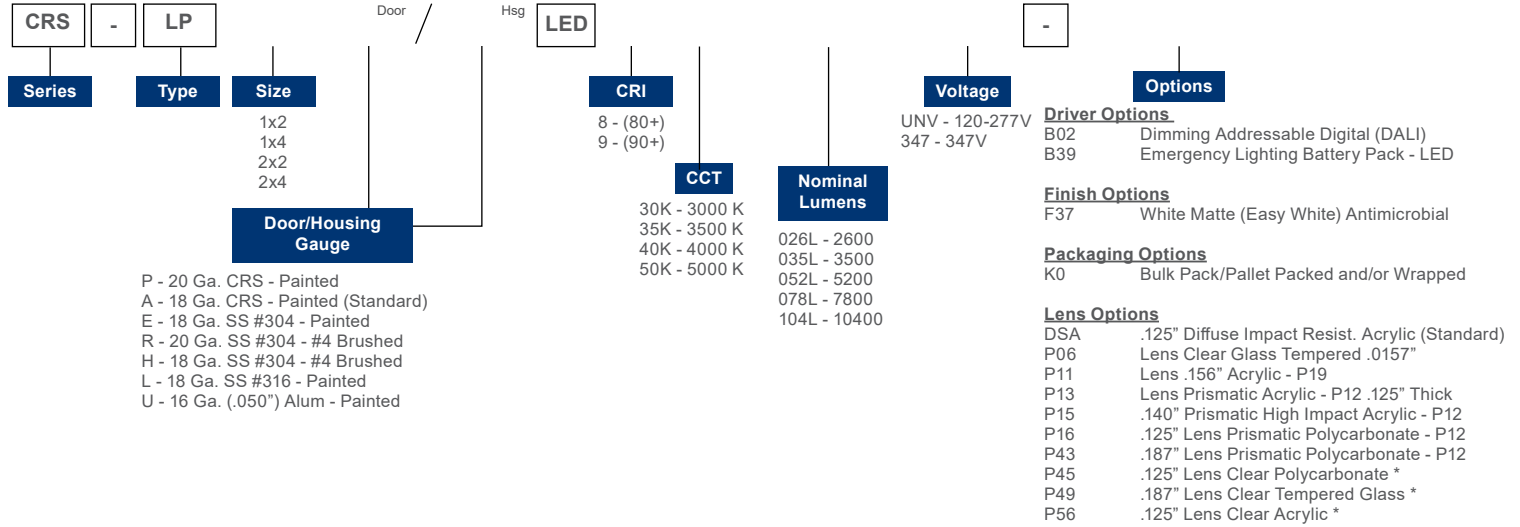
Dimensions (inch)			
Size	A	B	C
1x2	23.75	11.75	2.50
1x4	47.75	11.75	2.50
2x2	23.75	23.75	2.50
2x4	47.75	23.75	2.50

Consult the installation guide for exact dimensions.

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Order Key

EXAMPLE: CRS-LP2x4A/PLED835K075LUNV-P13



* Must be combined with a diffusing lens material such as P82 or P13.
*** Not available in 1x2

Performance Data

White LED Performance Data		
Size	Nominal Lumens	Watts
1x2	2600	25
	3500	333
1x4	2600	25
	3500	47
	7800	75
2x2	10400	98
	2600	25
	3500	33
	5200	47
2x4	7800	75
	10400	98
	15000	147
	5200	47

* Lumen values are based on 4000K, 80 CRI performance. See Lumen Multipliers below for other CCT or CRI performance data.

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

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EM Ordering Guide

EM Function	Order Code	Description	Notes
Standard EM	B39	10W EM battery pack	Standard 10W output, 90 minute run time in emergency mode.
High Wattage EM	B39(20W)	20W EM battery pack	Standard 20W output, 90 minute run time in emergency mode.
347V EM	347...B39	8W 347V EM battery pack	Fixture part number indicates 347V input voltage.
347 High Wattage EM	347...B39(20W)	20W 347V EM battery pack	Fixture part number indicates 347V input voltage.
Self Testing EM	B39(SD)	10W Self test EM battery pack	Self test instructions provided with each fixture. Digital copies available as needed.
Cold Weather	B06...B39	10W Cold weather EM battery pack suitable to -20°C	Standard EM battery pack 0°C minimum temperature.
120 Minute EM	B39(2HR)	EM battery pack with 120 minute minimum run time	Standard 14W output, 120 minute run time in emergency mode.
Specified EM	B39(xx)	Customer to specify brand, model number and/or feature.	xx Indicates model number of specified by Viscor.