

Catalog Number
Project
Type

CLZ

Recessed LED Clean Room



SPECIFICATIONS

DESCRIPTION

The CLZ is an IP65, IC-rated luminaire which provides a cost-effective LED clean room lighting solution. Gasketed housing and door frame create a sealed enclosure. The CLZ is available in 2x2 and 2x4 sizes. Available options such as anti-microbial paint, 90 CRI, and 12W emergency driver. Suitable for ISO 5 Cleanrooms. This fixture was designed for healthcare facilities, cleanrooms, and any insulated ceilings.

DOORFRAME

Inset door frame constructed of .063" aluminum. White TGIC polyester powder coat standard, with optional anti-microbial white paint. Closed-cell gasket completely seals the doorframe and the housing.

ELECTRICAL SYSTEM

Electronic driver 0-10V 1% dimming standard. Long-life LED system rated for >100K hours (L70 @ 25°C). Complies with federal energy efficiency standards.

OPTICAL SYSTEM

A variety of lensing options are available to fit the needs of any application. If additional lensing options are needed, consult factory.

LISTINGS

Approved to CSA and UL standards.
 Food Safe, NSF Listed.
 IP65 rating.
 ISO 5 certified.

MOUNTING

Recessed grid mounting.

HOUSING

Available in 20 gauge cold roll steel or .063" aluminum. If options needed are not listed, consult factory. Seam-welded construction. Closed cell gasket seals doorframe to housing. White TGIC polyester powder coat standard. Anti-microbial paint optional.

LED

80 CRI or 90 CRI LEDs available in 2700K, 3000K, 3500K, 4000K and 5000K. Life is 100,000 hours at 70% lumen maintenance. LM79, LM80 and TM21 compliant.

WARRANTY

5 - Year Limited Warranty. Complete warranty and terms located at: www.aelnow.com/warranty

Output	Delivered Lumens	System Wattage	L70 @45C (hrs)
5L	5000	32	>100K
7L	7000	45	>100K
9L	9000	58	>100K
11L	11000	71	>100K
13L	13000	84	>100K

*Delivered Lumens shown were tested with 4000K LEDs.

Approximate Color Temperature Multiplier	
5000K	1.03
4000K	1
3500K	0.97
3000K	0.94
2700K	0.91

ORDERING INFORMATION

Example: CLZ24-40-9L-B20-ALHINS-PA125-M

Custom Lumen Output: CLZ24-40-9500L-B20-ALHINS-PA125-M for 9,500 lumens

Series	CCT	Illumination Level ¹	Housing
CLZ22 2x2	27 2700K	5L 5000 lumens	B20 20 Gauge Cold Roll Steel
CLZ24 2x4	30 3000K	7L 7000 lumens	ALH .063" Aluminum
	35 3500K	9L 9000 lumens	
	40 4000K	11L 11000 lumens	
	50 5000K	13L 13000 lumens	
		XXL xxxx lumens (<i>custom</i>)	

Door Frame	Inverted Lens	Voltage
Inset Doorframe ALHINS .063" Aluminum Doorframe (Painted)	PA125 .125 Prismatic Acrylic S Satin Lens <small>Other lens options available, consult factory.</small>	M 120/277V

Driver Options	Circuits	Options
BLANK 0-10V Dimming Driver (<i>included standard</i>)	1 1 Circuit	12EBL 12 Watt Emergency Driver
CD5 0-10V 5% to Off Dimming Driver	2 2 Circuits	90 90 CRI
EDN Electronic Driver Non-Dimming		AM Anti-Microbial White Paint
FLDD Fifth Light Dali, Dimming		VDO Lutron Vive Integral Fixture Control (RF with Daylight and Occupancy Sensing)
LDE1 Lutron Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology		CPOL Clear .125 Polycarbonate Outer Lens
LDE5 Lutron LDE5 5-Series Ecosystem 5% Dimming		

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DIMENSIONS

