

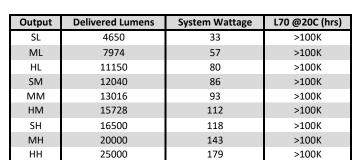


	LOWINANILS	
Catalog Number		
Project		
Туре		

CLDF

Recessed Flanged LED Clean Room





^{*}Delivered Lumens shown were tested with 4000K LEDs.

^{*}For custom lumen requirements, add desired lumens to end of part number

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

SPECIFICATIONS

DESCRIPTION

The CLDF is an IP65, Wet location, IC-rated luminaire which provides a cost-effective LED clean room lighting solution. Gasketed housing and door frame create a sealed enclosure. The CLDF is available in 1x2, 1x4, 2x2, and 2x4 sizes. Available options such as anti-microbial paint, 90 CRI, MILSTD 461G compliant, and 12W emergency driver. Suitable for biosafety labs rated BSL 1 and 2 (inset doorframe) and biosafety labs rated BSL 3 and 4 (overlap doorframe). Suitable for Class 1/ISO 3 Cleanrooms. For use in insulated ceilings. NSF/ANSI 2 Food Zone, Splash Zone and Non-Food Zone Applications.

DOORFRAME

Inset or Overlap door frame options with choice of Cold Roll Steel, Stainless Steel, or Aluminum. White TGIC polyester powder coat standard, with optional Anti-Microbial Paint. Door-frame secured to housing with stainless steel aircraft cables and captive flush mounted Phillips head stainless steel fasteners. 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. RF grid lens required for MIL STD 461G compliance.

LISTINGS

Approved to CSA and UL standards.

UL listed for wet location.

NSF Listed.

Food Safe

IP65 rated with inset doorframe, IP66 rated with overlap doorframe. Inset doorframe suitable for biosafety labs rated BSL 1 and 2, overlap doorframe suitable for biosafety labs rated BSL3 and 4.

Suitable for Class 1/ISO 3 Cleanrooms.

MOUNTING

Recessed flanged applications. Easy installation with adjustable 90° swing arm system standard. Universal mounting allows for both recessed flanged and recessed grid mounting.

HOUSING

Various housing material options are available, if options needed are not listed, consult factory. Seam-welded construction. All doors attached to the housing with stainless steel aircraft cables, and are completely sealed with closed cell gaskets. Stainless steel Philips head screws painted to match door finish to secure door frame 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

\$LUTRON



Catalog Number

Project

Туре

Example: CLDF24-40-MM-B20-B18-INS-SY-M-1-12750

Custom Lumen Output: CLDF24-40-MM-B20-B18-INS-SY-M-1-12750 for 12,750 lumens.

Serie	!S		ССТ	Illumination Level ¹			Housing	
CLDF12 CLDF14 CLDF22 CLDF24	1x2 1x4 2x2 2x4	27 30 35 40 50	2700K 3000K 3500K 4000K 5000K	SL ML HL SM MM HM	Standard Low Medium Low High Low Standard Medium Medium Medium High Medium	B20 B18 SH18 SHP18 SHB18 ALH	20 Gauge Cold Roll Steel 18 Gauge Cold Roll Steel 18 Gauge Stainless Steel (DR) 18 Gauge Stainless Steel (Painted) 18 Gauge Stainless Steel (Brushed) .063" Aluminum (Painted)	
				SH MH HH	Standard High Medium High High High		(

¹CLDF12 (1x2) only available up to ML - Medium Low (7974 lumens)

¹CLDF14 (1x4) only available up to HM - High Medium (15728 lumens)

¹CLDF22 (2x2) only available up to HM - High Medium (15728 lumens)

¹If higher lumens than are available on spec sheet are needed, consult factory

	Door Frame		Inverted Lens		Voltage
B18INS SH18INS SHP18INS SHB18INS ALHINS	SH18INS SHP18INS 18 Gauge Stainless Steel (DR) 18 Gauge Stainless Steel (Painted) SHB18INS 18 Gauge Stainless Steel (Brushed) 18 Gauge Stainless Steel (Brushed) ALHINS .063" Aluminum (Painted) Overlap Doorframe		.125 Prismatic Acrylic .156 Prismatic Acrylic .187 Prismatic Acrylic Prismatic Inner with .125 Clear Outer Polycarbonate Symmetric Diffused DR Acrylic .125 Clear Polycarbonate	M	120/277V
SH18OVL SHP18OVL SHB18OVL SHPL18OVL			K19RF KSH-19 RFI Prismatic Acrylic ² Other lens options available, consult factory.		

	Driver Options		Circuits		Options
BLANK CD5 EDN DALI	0-10V Dimming Driver (included standard) 0-10V 5% to Off Dimming Driver Electronic Driver Non-Dimming Fifth Light Dali, Dimming	1 2	1 Circuit 2 Circuits	12EBL 90 AM VDO	12 Watt Emergency Driver 90 CRI Anti-Microbial White Paint Lutron Vive Integral Fixture Control
LDE1	Lutron Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology Lutron LDE5 5-Series Ecosystem 5% Dimming			CPOL MIL1 MIL2 IF	(RF with Daylight and Occupancy Sensing) Clear .125 Polycarbonate Outer Lens MILSTD 461G compliant, 1 circuit ² MILSTD 461G compliant, 2 circuit ² Install Frame

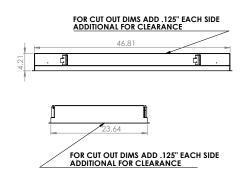
²K19RF lens option must be chosen for MILSTD 461G Compliance

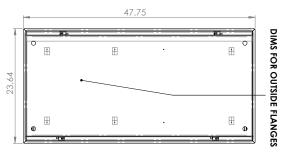




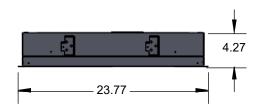
	LUMINARIES
Catalog Number	
Project	
Туре	

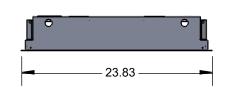
2x4





2x2





1x4



