

## CLU

### Recessed Flanged Amber & White LED Clean Room



STANDARD



OPTIONAL



#### DESCRIPTION

The CLU is a narrow spectrum recessed flange LED luminaire. Available with amber, white, or amber and white LEDs. With a narrow spectrum 570nm amber LED circuit, the CLU is able to provide high-purity light without UV for various applications. The high-CRI white LED circuit provides accurate color rendition at a high output.

#### DOORFRAME

Cold Roll Steel, Stainless Steel, or Aluminum options. One piece inset door frame with welded corners. 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, standard 0-10V dimming.

#### OPTICAL SYSTEM

A variety of lensing options are available to fit the needs of any application.

#### LISTINGS

Approved to CSA and UL standards.

NSF Listed.

Food Safe

Wet Location. (optional)

#### MOUNTING

Recessed mounting into grid and flange types. Adjustable swing out mounting brackets are included for flange application. Universal installation for grid or drywall ceiling applications.

#### HOUSING

Die-formed heavy gauge steel. Seam-welded construction. Stainless steel or aluminum options. All doors attached to the housing with two 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

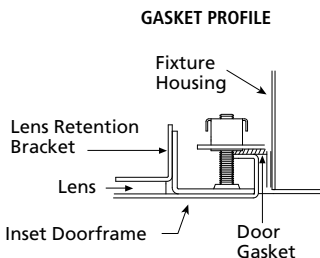
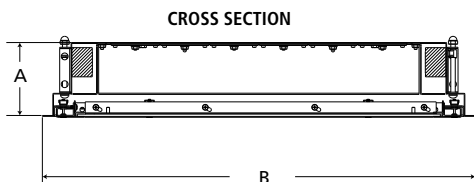
570nm amber replaceable(115 nm FWHM bandwidth) LED arrays produce less than 0.019 watts of light below 480nm, and no ultraviolet rays. Separately circuited white LED arrays are available in 3500K, 4000K and 5000K color temperatures with a minimum of 82 CRI. White circuit and amber circuit can be independently powered and dimmed.

#### WARRANTY

5 - Year Limited Warranty. Complete warranty and terms located at: [www.aelnow.com/warranty](http://www.aelnow.com/warranty)

#### DOORFRAME GASKET

One-piece closed cell gasket seals doorframe to housing.

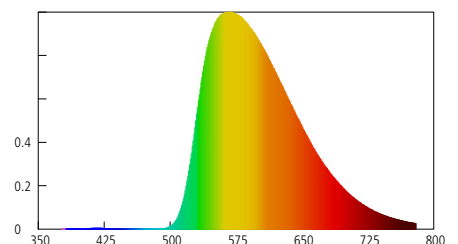


#### DIMENSIONAL DATA (IN INCHES)

	A	B
1x4	4.20	11.75
2x2	4.20	23.75
2x4	4.20	23.75

LED	lm/W	L70 @20C (hrs)
Amber	130	>60K
White	135	>80K
Amber (dual-row)	110	>60K
White (dual-row)	115	>80K

#### Spectroradiometric Parameters



\* SAMPLE NUMBER: CLU24-45AWD-40-B18-B18-INS-PA125-M-1

Series	LED	White LED	Housing	Doorframe
CLU14 1x4	1'x4'	35 3500K	B18 18 Gauge Cold Roll Steel	B18 18 Gauge Cold Roll Steel
CLU22 2x2	45AW 45W Amber & 45W White	40 4000K	B20 20 Gauge Cold Roll Steel	SH18 18 Gauge Stainless Steel
CLU24 2x4	45A 45W Amber	50 5000K	B22 22 Gauge Cold Roll Steel	ALH .063" Aluminum
	90A 90W Amber		SH18 18 Gauge Stainless Steel	
	2'x2'	SH20 20 Gauge Stainless Steel		
	45AWD 45W Amber & 45W White (dual-row)	ALH .063" Aluminum		
	45AD 45W Amber (dual-row)			
	90A 90W Amber			
	2'x4'			
	45AWD 45W Amber & 45W White (dual-row)			
	45A67WD 45W Amber & 67W White (dual-row)			
	45A90WD 45W Amber & 90W White (dual-row)			
	90AW 90W Amber & 90W White			
	45AD 45W Amber (dual-row)			
90A 90W Amber				
135A 135W Amber				

Doorframe Type	Lens	Voltage	Circuits
INS Inset Doorframe	A125 .125 Clear Acrylic	M 120/277V	1 1 Circuits
OVL Overlap Doorframe	125P .125 Clear Polycarbonate		2 2 Circuits
	156P .156 Clear Polycarbonate		
	187P .187 Clear Polycarbonate		
	250P .250 Clear Polycarbonate		
	PA125 .125 Prismatic Acrylic		
	PA156 .156 Prismatic Acrylic		
	PP125 .125 Prismatic Polycarbonate		
	PP156 .156 Prismatic Polycarbonate		
	PP187 .187 Prismatic Polycarbonate		
	PHA125 .125 Prismatic High Impact Acrylic		
	PHA140 .140 Prismatic High Impact Acrylic		
	CTG187 .187 Clear Tempered Glass		
	CTG250 .250 Clear Tempered Glass		
	CTG/PA Clear Tempered Glass with Prismatic Acrylic Overlay		
	WTA .080 White Translucent Acrylic		
	WTP White Translucent Polycarbonate		
	SY Symmetric Diffused DR Acrylic		

Options	
12EBL	1200 Lumen Emergency Ballast
AM	Anti-Microbial White Paint
90	90 CRI
CPOL	Clear .125 Polycarbonate Outer Lens