

CLU RECESSED FLANGED AMBER & WHITE LED CLEAN ROOM



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 ETL 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. Antimicrobial 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.

DOORFRAME GASKET: One-piece closed cell gasket seals doorframe to housing.

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

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ORDERING INFORMATION

Example: CLU-14-35-45AW-G-B18-B18-INS-156P-M-1

| SERIES | SIZE | | CCT | | LED OPTIONS | | MOUNTING | HOUSING | | DOOR FRAME | | |
|--------|------|---------|----------------------------------|-------|--------------------------|------|--------------------------|--------------------|-----|--------------------------|-----|--------------------------|
| CLU | 14 | 1X4 | 35 | 3500K | 1X4 | 45AW | 45W Amber & 45W White | G Grid F Flange | B18 | 18 Gauge Cold Roll Steel | B18 | 18 Gauge Cold Roll Steel |
| | 22 | 2X2 | 40 | 4000K | | 45A | 45W Amber | | B20 | 20 Gauge Cold Roll Steel | B20 | 20 Gauge Cold Roll Steel |
| | 24 | 2X4 | 50 | 5000K | | 90A | 90W Amber | | B22 | 22 Gauge Cold Roll Steel | B22 | 22 Gauge Cold Roll Steel |
| | 2X2 | 45AWD | 45W Amber & 45W White (dual-row) | SH18 | 18 Gauge Stainless Steel | SH18 | 18 Gauge Stainless Steel | | | | | |
| | | 45AD | 45W Amber (dual-row) | SH20 | 20 Gauge Stainless Steel | SH20 | 20 Gauge Stainless Steel | | | | | |
| | | 90A | 90W Amber | ALH | .063" Aluminum | ALH | .063" Aluminum | | | | | |
| | 2X4 | 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 | | | | | | | | | |

| DOOR FRAME TYPE | LENS | VOLTAGE | CIRCUITS | OPTIONS |
|-----------------------|--|------------------------------|------------------------------|--|
| INS Inset Doorframe | A125 .125 Clear Acrylic | M Multi-Volt (120-277VAC) | 1 1 Circuits 2 2 Circuits | 14EBL 14 Watt Emergency Ballast |
| OVL Overlap Doorframe | 125P .125 Clear Polycarbonate | | | AM Anti-Microbial White Paint |
| | 156P .156 Clear Polycarbonate | | | 90 90 CRI |
| | 187P .187 Clear Polycarbonate | | | CPOL Clear .125 Polycarbonate Outer Lens |
| | 250P .250 Clear Polycarbonate | | | |
| | PA125 .125 Prismatic Acrylic | | | |
| | PA156 .156 Prismatic Acrylic | | | |
| | PP125 .125 Prismatic Polycarbonate | | | |
| | PP156 .156 Prismatic Polycarbonate | | | |
| | PP187 .187 Prismatic Polycarbonate | | | |
| | CTG187 .187 Clear Tempered Glass | | | |
| | CTG250 .250 Clear Tempered Glass | | | |
| | CTG/PA Clear Tempered Glass with Prismatic Acrylic Overlay | | | |
| | WTP .080 White Translucent Acrylic | | | |
| | WTP White Translucent Polycarbonate | | | |
| | SY Symmetric Diffused Frosted DR Acrylic | | | |

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LED INFORMATION

| OUTPUT | 5L | 7L | 10L | 14L |
|---------------------|--------------|--------------|--------------|--------------|
| LUMENS/FT* | 500 | 700 | 1000 | 1400 |
| SYSTEM WATTAGE/FT | 3.125W | 4.375W | 6.25W | 8.75W |
| EFFICACY (LM/W) | 160 | 160 | 160 | 160 |
| CRI >82 >82 >82 >82 | | | | |
| DIMMING | 0-10V | 0-10V | 0-10V | 0-10V |
| COLOR CONSISTENCY | >3 SDCM | >3 SDCM | >3 SDCM | >3 SDCM |
| RATED LIFE (L70) | >100,000 HRS | >100,000 HRS | >100,000 HRS | >100,000 HRS |

* Lumen output was calculated with 4000K LEDs.

LUMEN ADJUSTMENT FACTORS 80 CRI

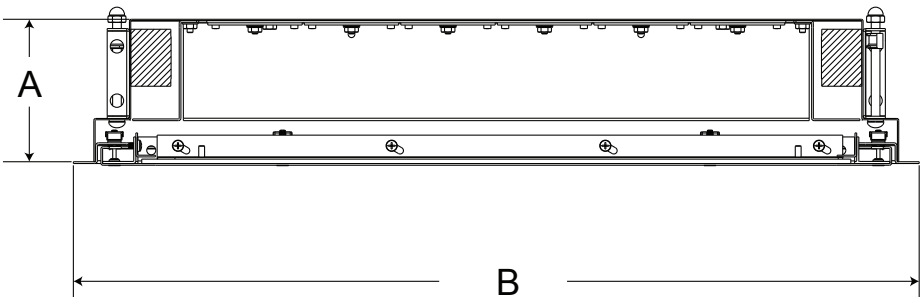
| CCT | 2700K | 3000K | 3500K | 4000K | 5000K |
|------------|-------|-------|-------|--------|--------|
| ADJUSTMENT | 93.5% | 95.2% | 96.8% | 100.0% | 103.0% |

LUMEN ADJUSTMENT FACTORS 90 CRI

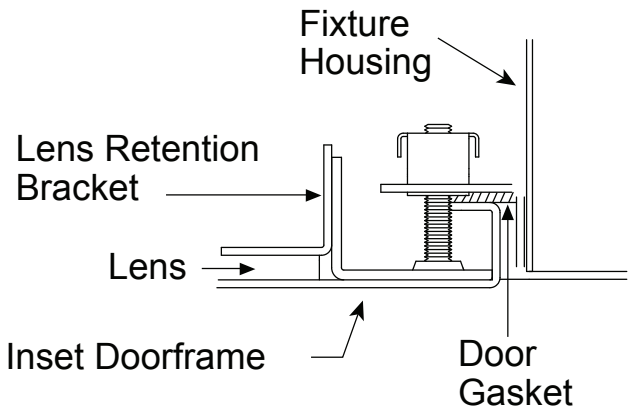
| CCT | 2700K | 3000K | 3500K | 4000K | 5000K |
|------------|-------|-------|-------|-------|-------|
| ADJUSTMENT | 77.5% | 79.2% | 80.8% | 85.1% | 87.3% |

DIMENSIONS

CROSS SECTION



GASKET PROFILE



DIMENSIONAL DATA (IN INCHES)

| | A | B |
|-----|------|-------|
| 1×4 | 4.20 | 11.75 |
| 2×2 | 4.20 | 23.75 |
| 2×4 | 4.20 | 23.75 |