

| |
|----------------|
| Catalog Number |
| Project |
| Type |

CLH

Flanged LED Clean Room



STANDARD

OPTIONAL



SPECIFICATIONS

DESCRIPTION

The CLH provides a supplemental, asymmetric/symmetric clean room lighting solution. CLH is available in 1x2, 1x4, 2x2 and 2x4 sizes. The CLH is IP66 compliant (with wet location option), clean room compliant, NSF listed. Anti-Microbial Paint optional.

DOORFRAME

Various doorframe options available. Consult factory for additional options. White TGIC polyester powder coat – 5-stage pre-treatment. Salt spray test: 1,000 hours; Reflectance: 92%. Doorframe secured to housing with stainless steel aircraft cables and captive flush mounted Phillips head stainless steel fasteners.

ELECTRICAL SYSTEM

Electronic driver 0-10V, 1% and 10% dimming standard. For outputs SL and ML, 0-10V 10% dimming driver (no dim to off) is standard. For outputs HL-HH, 0-10V 1% dim to off dimming driver standard. Long-life LED system rated for >120K 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 options are needed, consult factory.

LISTINGS

NSF = NSF2 listed (Non-Food, Splash Zone). UL listed for damp location. Wet location available (IP66 rated).

MOUNTING

Easy installation with adjustable 90° swing arm system standard.

HOUSING

Die formed, seam welded, and ground smooth (specify material and gauge). For additional housing options, consult factory. Die formed one-piece frame with tightly closed corners. (material and gauge to match housing).

LED

80 CRI or 90 CRI LEDs available in 2700K, 3000K, 3500K, 4000K and 5000K. Life is >120,000 hours at 70% lumen maintenance.

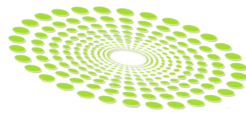
WARRANTY

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

| Output | Delivered Lumens | System Wattage | L70 @20C (hrs) |
|--------|------------------|----------------|----------------|
| SL | 4650 | 33 | >100K |
| ML | 7974 | 57 | >100K |
| HL | 11150 | 80 | >100K |
| SM | 12040 | 86 | >100K |
| MM | 13016 | 93 | >100K |
| HM | 15728 | 112 | >100K |
| SH | 16500 | 118 | >100K |
| MH | 20000 | 143 | >100K |
| HH | 25000 | 179 | >100K |

* Delivered Lumens shown were tested with 4000K LEDs and ASR (asymmetric/symmetric grid) lens.

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



Advantage

Environmental Lighting

Catalog
Number

Project

Type

| *Series | CCT | *Illumination Level | Housing |
|-----------|----------|---------------------|-------------------------------|
| CLH12 1x2 | 27 2700K | SL Standard Low | B12 Cold Roll 12 Gauge Steel |
| CLH14 1x4 | 30 3000K | ML Medium Low | B14 Cold Roll 14 Gauge Steel |
| CLH22 2x2 | 35 3500K | HL High Low | B16 Cold Roll 16 Gauge Steel |
| CLH24 2x4 | 40 4000K | SM Standard Medium | B18 Cold Roll 18 Gauge Steel |
| | 50 5000K | MM Medium Medium | B20 Cold Roll 20 Gauge Steel |
| | | HM High Medium | B24 Cold Roll 24 Gauge Steel |
| | | SH Standard High | SH14 Stainless Steel 14 Gauge |
| | | MH Medium High | SH16 Stainless Steel 16 Gauge |
| | | HH High High | SH18 Stainless Steel 18 Gauge |
| | | | ALH .063" Aluminum |

***NOTES:**

CLH12 (1x2) only available up to HL - High Low
 CLH14 (1x4) only available up to HM - High Medium
 CLH22 (2x2) only available up to HM - High Medium

| Door Type | Lens | Voltage |
|-------------------------------|----------------------------------|------------|
| B12 Cold Roll 12 Gauge Steel | N No Lens | M 120/277V |
| B14 Cold Roll 14 Gauge Steel | A12 .125 Clear Acrylic | |
| B16 Cold Roll 16 Gauge Steel | 125P .125 Clear Poly. | |
| B18 Cold Roll 18 Gauge Steel | 156P .156 Clear Poly. | |
| B20 Cold Roll 20 Gauge Steel | 187P .187 Clear Poly. | |
| SH14 Stainless Steel 14 Gauge | 25P .250 Clear Poly. | |
| SH16 Stainless Steel 16 Gauge | 375P .375 Clear Poly. | |
| SH18 Stainless Steel 18 Gauge | F1 .187 Clear Temp.Glass | |
| ALH .063" Aluminum | G1 .250 Clear Temp.Glass | |
| | H1 .375 Clear Temp.Glass | |
| | SY Symmetric Diffused DR Acrylic | |

SERIES NO. CONTINUED...

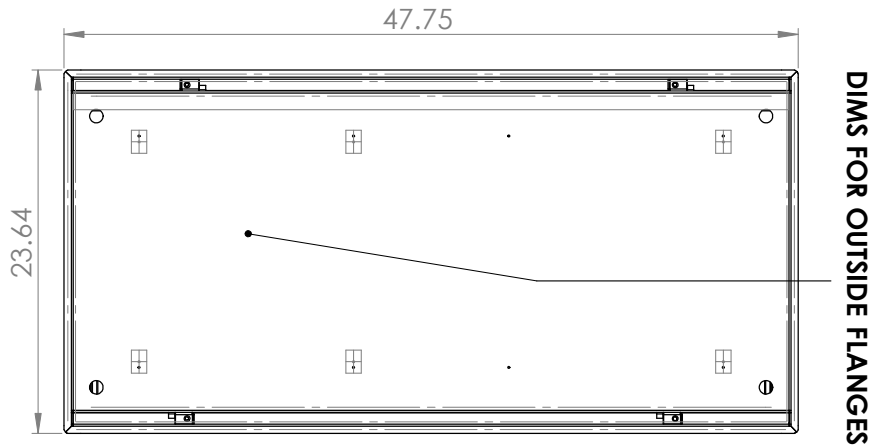
| Driver | Options |
|--|--|
| BLANK* 0-10V Dimming Driver (included standard) | 12EBL 1200 Lumen Emergency Ballast |
| CD1 0-10V 1% to Off Dimming Driver | AH Allenhead Screws with center pin reject |
| CD5 0-10V 5% to Off Dimming Driver | LN LED Night Light. Consult factory for available color/temps |
| EDN Electronic Driver Non-Dimming | FZ Fuse Holder |
| FLDD Fifth Light Dali, Dimming | WL Wet Location |
| LDE1 Lutron Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology | UV .005 UV Absorbing Overlay |
| LDE5 Lutron LDE5 5-Series Ecosystem 5% Dimming | PF Plaster Frame & Yoke |
| PSQ02U Lutron T-Series 1% 2-Channel Tunable White | CB Cross Bar |
| | PH 16 Gauge Full Length Piano Hinge Door Frame |
| | 90 90 CRI |
| | AM Anti-Microbial White Paint |
| | VDO Lutron Vive Integral RF controller with daylight and occupancy sensing |
| | FCSO Lutron vive attached RF fixture controller 0-10V/277V |

*0-10V 10% dimming driver (no dim to off) standard with SL-ML outputs. (4650 - 7974 lumens)

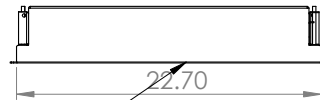
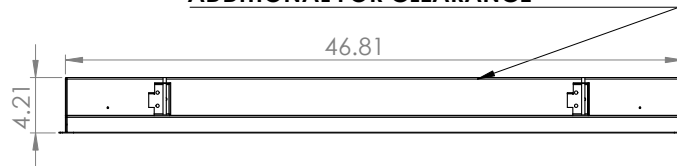
*0-10V 1% to off dimming driver standard with HL- HH outputs. (11150 - 25000 lumens)

DIMENSIONS

2x4 Dimensions



FOR CUT OUT DIMS ADD .125" EACH SIDE
ADDITIONAL FOR CLEARANCE



FOR CUT OUT DIMS ADD .125" EACH SIDE
ADDITIONAL FOR CLEARANCE