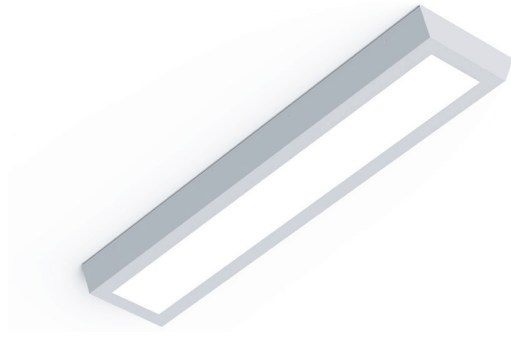


PROJECT: _____
 TYPE: _____
 PRODUCT: _____
 APPROVED BY: _____

PRODUCT FEATURES

- Ligature resistant for Behavioral Health applications
- Intended for Minimum to Supermax Confinement, Psychiatric Wards, Public Housing, Detention Centers, Transportation, Athletic Facilities, and more
- Available in 2ft and 4ft clamshell design with contraband drop slot between ceiling and back of luminaire
- Inner and outer lens secured by "Z" bracket retention system with 6" stud spacing for maximum strength
- This product is Made in America and complies with the Buy American Act (BAA), and the Build America, Buy America Act (BABAA).
- The 33L Series is covered by the New Star Promise.



33L Series



ORDERING INFORMATION

Example: 33LW2-A-L240-90C-1C-A/C-UN

| 33L | | | | | | | |
|---------------|--|---|--|---|---|--|--|
| Series | Style W = Wide N = Narrow | Size 2 = 2ft 4 = 4ft *Nominal Size. Dimensional Data on Page 2. | Housing A = 12Ga. CRS Painted B = 14Ga. CRS Painted C = 16Ga. CRS Painted D = 18Ga. CRS Painted E = 14Ga. SS Brushed F = 16Ga. SS Brushed G = 18Ga. SS Brushed H = 14Ga. SS Painted J = 16Ga. SS Painted K = 18Ga. SS Painted | Lumen Output Wide (W): L1 = Low L2 = Standard L3 = High Narrow (N): L1 = Standard L2 = Medium | Color Temp. 35 = 3500K 40 = 4000K 50 = 5000K TW1 = Tunable White 2700K to 5000K* TW2 = Tunable White 2700K to 6500K* *Specify TW Driver under Options | CRI 80C = 80 CRI 90C = 90 CRI | Circuits 1C = 1 Circuit 2C = 2 Circuits |

| / | | | | | |
|--|--|--|--|---|--|
| Outer Lens 0 = No Lens A = .125 Clear Poly. B = .156 Clear Poly. 1 = .187 Clear Poly. 2 = .250 Clear Poly. 3 = .375 Clear Poly. 4 = .500 Clear Poly. 5 = .187 Clear Temp. Glass 6 = .250 Clear Temp. Glass 7 = .375 Clear Temp. Glass* 8 = .500 Clear Temp. Glass* 9 = .750 Clear Temp. Glass* *Must use with 12Ga. or 14Ga. frame | Inner Lens A = .125 Prismatic Acrylic B = .125 Prismatic Poly. C = .156 Prismatic Poly. D = .187 Prismatic Poly. F = .156 Prismatic Acrylic G = .140 DR Acrylic* LC3 = .125 White Frosted Poly. *Not rated for Wet Locations. | Voltage 12 = 120V 27 = 277V 34 = 347V UN = Universal (120V - 277V) | Driver DM = 0-10V dimming with 10-100% range DM1 = 0-10V dimming with 1-100% range Tunable White Drivers*: DALI8 = DALI Type 8 (One DALI Address) TWO = 2-Channel 0-10V dimming (Brightness & CCT) * Compatible with TW1 or TW2 Color Temp. options | Options FZ = Fuse (120V) FZ1 = Fuse (277V) LN = LED Night Light EL1 = Emerg. Battery LED 10W*** AH = Allen head screws *If stored, batteries should be fully recharged every six months and kept between 0°C-25°C to maintain optimal battery capacity. ***Not available with L3 | |

SPECIFICATIONS

HOUSING: Die-formed, seam welded, and ground smooth cold rolled steel or stainless steel clamshell design. Incorporates a removable reflector unitized with all electrical components for easy installation and maintenance. Clamshell design incorporates a contraband drop slot gap between the ceiling and back of fixture.

BACKPLATE: Die-formed with contraband drop slot and embossed mounting holes (material to match housing). Security caulking between ceiling and fixture is not required with this backplate design.

HINGE: 16-Gauge full length continuous, staked piano hinge with welded ends to prevent removal (material to match housing).

LENS: Outer and Inner lens options secured by "Z" retainers with weld studs spaced six inches apart for maximum strength.

LED: Available in three color temperatures 3500K, 4000K, and 5000K with maximum 3-step MacAdam variation allowance. Other color temperatures available, consult factory. Minimum 50,000 hours with 70% lumen maintenance in a 25°C ambient temperature environment, compliant with IES LM-80 testing standards.

ELECTRICAL: 120-277VAC or 347VAC, 50/60HZ electrical input high power factor electronic, constant current driver (<20% THD, >0.9 PF).

OPTIONAL TUNABLE WHITE DRIVERS:

- DALI8** - DALI Type 8 (One DALI Address)
- TWO** - Two channel 0-10V dimming: one channel for brightness, one channel for CCT

FASTENERS: Tamper resistant Torx® head fasteners.

FINISH: White polyester powder coat finish following multi-stage iron phosphate pretreatment.

GASKET: Black neoprene gasket around doorframe to prevent light leaks.

INSTALLATION: Surface installation.

WARRANTY: New Star Promise.

LABEL: Fixture is certified to UL standards. Suitable for Wet Locations. This product is Made in America and complies with the Buy American Act (BAA), and the Build America, Buy America Act (BABAA).

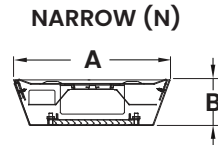
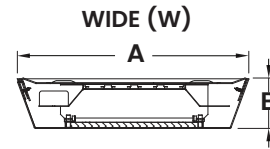


The 33L LED Series is covered by our New Star Promise.

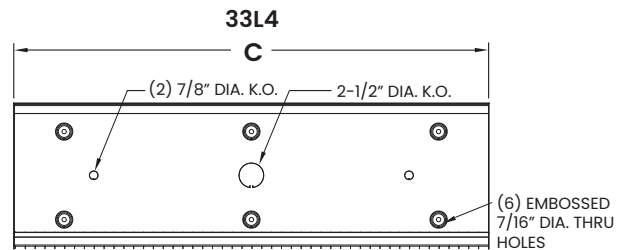
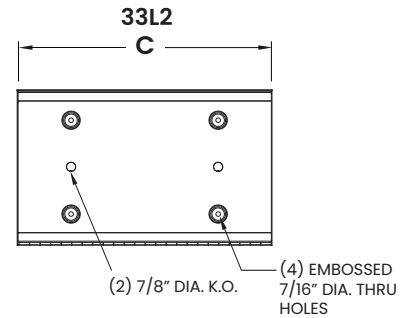
Our promise means we will repair or replace any of our High Abuse or Vandal-Resistant architectural luminaires when installed according to our instructions for the life of the original installation if the fixture should fail due to physical abuse*.

*Damage caused by gunfire and chemical reactions is not covered by the New Star Promise.

DIMENSIONAL DATA



| | A | B | C |
|--------------|--------|-------|--------|
| 33LN2 | 10.96" | 3.13" | 24.23" |
| 33LN4 | 10.96" | 3.13" | 48.43" |
| 33LW2 | 14.96" | 3.13" | 24.43" |
| 33LW4 | 14.96" | 3.13" | 48.43" |



PERFORMANCE DATA

*Data is with 80 CRI chip. LEDs are frequently updated therefore values may change without notice.

| MODEL | OUTPUT | COLOR TEMP. | LUMENS DELIVERED | EFFICACY (lm/W) | INPUT POWER (W) |
|-------|---------------|-------------|------------------|-----------------|-----------------|
| 33LN2 | L1 = Low | 3500K | 1438 | 115 | 12.5 |
| | | 4000K | 1500 | 120 | 12.5 |
| | | 5000K | 1563 | 125 | 12.5 |
| | L2 = Standard | 3500K | 2875 | 115 | 25 |
| | | 4000K | 3000 | 120 | 25 |
| | | 5000K | 3125 | 125 | 25 |
| 33LN4 | L1 = Low | 3500K | 2875 | 115 | 25 |
| | | 4000K | 3000 | 120 | 25 |
| | | 5000K | 3125 | 125 | 25 |
| | L2 = Standard | 3500K | 5750 | 115 | 50 |
| | | 4000K | 6000 | 120 | 50 |
| | | 5000K | 6250 | 125 | 50 |
| 33LW2 | L1 = Low | 3500K | 1438 | 115 | 12.5 |
| | | 4000K | 1500 | 120 | 12.5 |
| | | 5000K | 1563 | 125 | 12.5 |
| | L2 = Standard | 3500K | 2875 | 115 | 25 |
| | | 4000K | 3000 | 120 | 25 |
| | | 5000K | 3125 | 125 | 25 |
| | L3 = High | 3500K | 4180 | 110 | 38 |
| | | 4000K | 4370 | 115 | 38 |
| | | 5000K | 4560 | 120 | 38 |
| 33LW4 | L1 = Low | 3500K | 1438 | 115 | 12.5 |
| | | 4000K | 1500 | 120 | 12.5 |
| | | 5000K | 1563 | 125 | 12.5 |
| | L2 = Standard | 3500K | 5750 | 115 | 50 |
| | | 4000K | 6000 | 120 | 50 |
| | | 5000K | 6250 | 125 | 50 |
| | L3 = High | 3500K | 8250 | 110 | 75 |
| | | 4000K | 8625 | 115 | 75 |
| | | 5000K | 9000 | 120 | 75 |

