

33L LED SERIES

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



33L Series

PRODUCT FEATURES

- 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) requirements

ORDERING INFORMATION

Example: 33LW2-A-L240-1C-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	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.		Voltage 12 = 120V 27 = 277V 34 = 347V UN = Universal (120V ~ 277V)		Options FZ = Fuse* LN = LED Night Light** EL1 = Emerg. Battery LED 10W (N/A with L3)*** AH = Allen head screws DM = 0-10V dimming with 10-100% range TW Drivers: DALI8 = DALI Type 8 (One DALI Address) TW0 = 2-Channel 0-10V dimming (Brightness & CCT) *Cannot use with UN voltage. 3500K. Non-dimming. Integrated switch allows light levels at 100%, 70%, 40% and 10% levels. **Remote. Field installation required. ***If stored, batteries should be fully recharged every six months and kept between 0°C-25°C to maintain optimal battery capacity.



New Star Lighting
 2225 W Pershing Rd, Chicago, IL 60609
 (773) 847-1400
 www.newstarlighting.com

Specifications and dimensions are subject to change without notice. For additional options and dimensional details, please consult your New Star Lighting representative.

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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, 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). Standard 0-10V driver provided. Optional dimming function (DM) with 10-100% range.

OPTIONAL TW 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 powder coat finish following multi-stage iron phosphate pretreatment.

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

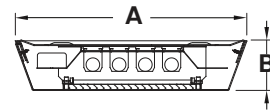
INSTALLATION: Surface installation.

WARRANTY: New Star Promise.

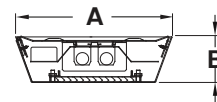
LABEL: Fixture is certified to UL standards for Wet Locations. This product is Made in America and complies with the Buy American Act (BAA).

DIMENSIONAL DATA

WIDE (W)

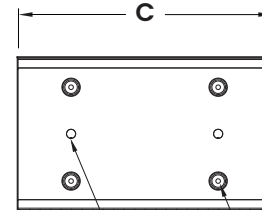


NARROW (N)



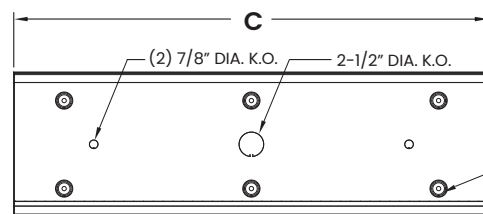
	A	B	C
33LN2	10.96"	3.13"	24.23"
33LN4	10.96"	3.13"	48.43"
33LW2	14.96"	3.13"	24.43"
33LW4	14.96"	3.13"	48.43"

33L2



(2) 7/8" DIA. K.O. (4) EMBOSSED 7/16" DIA. THRU HOLES

33L4



(2) 7/8" DIA. K.O. 2-1/2" DIA. K.O.

(6) EMBOSSED 7/16" DIA. THRU HOLES



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 luminaries 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.



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PERFORMANCE DATA

*Data is with 80 CRI chip at 4000K. 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	5750	115	25
		4000K	3000	120	25
		5000K	3125	125	25
	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



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