

# 33 LED SERIES

PROJECT: \_\_\_\_\_  
 TYPE: \_\_\_\_\_  
 PRODUCT: \_\_\_\_\_  
 APPROVED BY: \_\_\_\_\_



33 Series

## PRODUCT FEATURES

- Intended for Minimum to Supermax Correctional Facilities, Detention Centers, Public Housing, Athletic Facilities, and more
- Available in 2ft and 4ft doorframe design with continuous piano hinge
- Removable reflector unitized with all electrical components for easy installation and maintenance
- This product is Made in America and complies with the Buy American Act (BAA), and the Build America, Buy America Act (BABAA)
- The 33 LED Series is covered by our New Star Promise.

## ORDERING INFORMATION

Example: 33W2-A-L240-1C-A/C-90C-UN



33						
Series	Style W = Wide N = Narrow	Size 2 = 2ft 4 = 4ft	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): L2 = Low L4 = Standard L6 = Medium L8 = High (only 33W4) CL = Custom Lumen Output** Narrow (N): L2 = Standard L3 = High CL = Custom Lumen Output**	Color Temp. 35 = 3500K 40 = 4000K 50 = 5000K	Circuits 1C = 1 Circuit 2C = 2 Circuits
				*Performance Data on Page 3. **Must be specified at time of quote. Must not exceed fixture maximum output.		

/						
Outer Lens	Inner Lens	CRI	Voltage	Driver	Options	
0 = No Lens A = .125 Clear Poly. B = .156 Clear Poly. 1 = .187 Clear Poly. 2 = .250 Clear Poly. 3 = .375 Clear Poly. 5 = .187 Clear Temp. Glass 6 = .250 Clear Temp. Glass 7 = .375 Clear Temp. Glass*	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.	80C = 80 CRI 90C = 90 CRI	12 = 120V 27 = 277V 34 = 347V UN = Universal (120V-277V)	DM = 0-10V dimming with 10-100% range DM1 = 0-10V dimming with 1-100% range	FZ = Fuse* LN = LED Night Light** UV = .005 UV Absorbing Overlay AH = Allen head screws WL = Wet Location EL1 = Emerg. Battery LED 10W*** EL2 = Emerg. Battery LED 20W***	
*Must use with 12Ga. or 14Ga. frame	*Not rated for Wet Locations				*Cannot use with UN voltage **Integrated switch allows light levels at 100%, 70%, 40% and 10% levels. ***Remote. Field installation required. If stored, batteries should be fully re-charged every six months and kept between 0°C-25°C to maintain optimal battery capacity	

## SPECIFICATIONS

**HOUSING:** Die-formed, seam welded, and ground smooth cold rolled steel or stainless steel hinged doorframe design. Incorporates a removable reflector unitized with all electrical components for easy installation and maintenance.

**FRAME:** Die formed one-piece frame with tightly closed corners (material and gauge to match housing).

**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. Other color temperatures available, consult factory. 82 CRI standard. Standard 0-10V driver provided. 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). Standard 0-10V driver provided.

**FASTENERS:** Tamper-resistant Torx® head fasteners.

**FINISH:** White polyester powder coat finish following multi-stage iron phosphate pre-treatment.

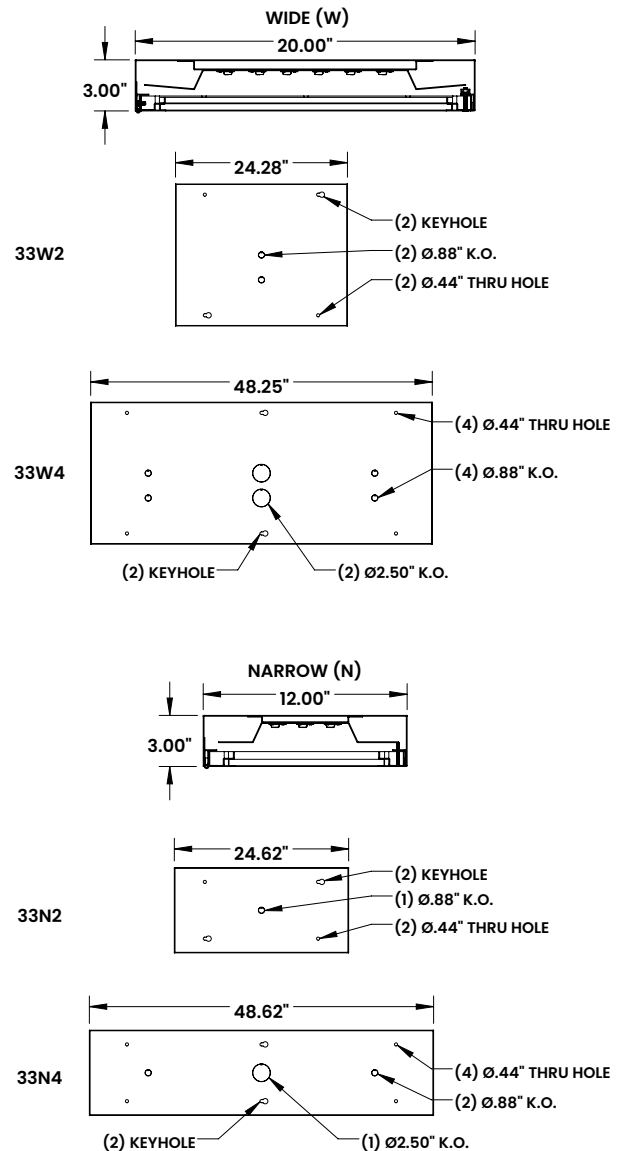
**GASKET:** Black neoprene gasket around door frame to prevent light leaks.

**INSTALLATION:** Surface installation.

**WARRANTY:** New Star Promise.

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

## DIMENSIONAL DATA



The 33 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.



**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.

© 2025, New Star Lighting. All rights reserved. Unauthorized duplication or distribution is prohibited.

## PERFORMANCE DATA

\*LEDs are frequently updated therefore values may change without notice.

MODEL	OUTPUT	COLOR TEMP.	LUMENS DELIVERED	EFFICACY (lm/w)	INPUT POWER (W)
33N2	Standard	3500K	2875	115	25
		4000K	3000	120	25
		5000K	3125	125	25
	Medium	3500K	4180	110	38
		4000K	4370	115	38
		5000K	4560	120	38
33N4	Standard	3500K	5750	115	50
		4000K	6000	120	50
		5000K	6250	125	50
	Medium	3500K	8250	110	75
		4000K	8625	115	75
		5000K	9000	120	75
33W2	Low	3500K	3000	120	25
		4000K	3125	125	25
		5000K	3250	130	25
	Standard	3500K	6000	120	50
		4000K	6250	125	50
		5000K	6500	130	50
	Medium	3500K	8625	115	75
		4000K	9000	120	75
		5000K	9375	125	75



## PERFORMANCE DATA CONT.

\*LEDs are frequently updated therefore values may change without notice.

MODEL	OUTPUT	COLOR TEMP.	LUMENS DELIVERED	EFFICACY (lm/W)	INPUT POWER (W)
33W4	Low	3500K	6000	120	50
		4000K	6250	125	50
		5000K	6500	130	50
	Standard	3500K	12000	120	100
		4000K	12500	125	100
		5000K	13000	130	100
	Medium	3500K	17250	115	150
		4000K	18000	120	150
		5000K	18750	125	150
	High	3500K	23000	115	200
		4000K	24000	120	200
		5000K	25000	125	200



**New Star Lighting**

2225 W Pershing Rd, Chicago, IL 60609

(773) 847-1400

[www.newstarlighting.com](http://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.

© 2025, New Star Lighting. All rights reserved. Unauthorized duplication or distribution is prohibited.