

## 33L SERIES LED

33LN2/33LN4/33LW2/33LW4

### SPECIFICATION FEATURES

- 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 3500°K, 4000°K and 5000°K. Other color temperatures available, consult factory. Standard 0-10V driver provided. Optional dimming function (DM) with 10-100% range.
- FASTENERS:** Tamper resistant countersunk flat head Torx screws with center pin reject.
- FINISH:** White powder coat finish following iron phosphate pre-treatment.
- GASKET:** Black neoprene gasket around door frame to prevent light leaks.



#### APPLICATION:

Minimum to Supermax Confinement, Psychiatric Wards, Public Housing, Detention Centers, Transportation, Athletic Facilities, and more.

#### MOUNTING:

Surface installation.

#### LABEL:

Fixture is certified to UL standards.



### ORDERING INFORMATION

Ex: 33LW2-A-L2401-A/C-UN

PRODUCT FAMILY	STYLE	NOMINAL SIZE <small>*Dimensional Data Pg. 2</small>	GAUGE	LUMEN™ OUTPUT <small>*Performance Data Pg. 2</small>	LAMP TYPE
33L	W = Wide N = Narrow	2 = 2ft. 4 = 4ft.	A = 12Ga. CRS B = 14Ga. CRS C = 16Ga. CRS D = 18Ga. CRS E = 14Ga. SS (Brushed) F = 16Ga. SS (Brushed) G = 18Ga. SS (Brushed) H = 14Ga. SS (Painted) J = 16Ga. SS (Painted) K = 18Ga. SS (Painted)	Wide (W): L1 = Low L2 = Standard L3 = Medium Narrow (N): L1 = Standard L2 = Medium	35 = 3500°K 40 = 4000°K 50 = 5000°K
CIRCUITS	OUTER LENS	INNER LENS	VOLTAGE	OPTIONS	
1 = 1 Circuit 2 = 2 Circuits	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 ^	0 = No Lens A = .125 Prismatic Acrylic B = .125 Prismatic Poly. C = .156 Prismatic Poly. D = .187 Prismatic Poly. E = .156 Prismatic Temp. Glass F = .156 Prismatic Acrylic G = .140 DR Acrylic LC3 = .125 White Frosted Poly.	12 = 120V 27 = 277V 34 = 347V UN = Universal (120V-277V)	FZ* WL EL1 EL2 LN UV AH DM	

#### KEY

FZ = Fuse\*  
WL = Wet Location  
EL1 = Emergency Batt. Low  
EL2 = Emergency Batt. High

LN = LED Night Light. Integrated switch allows light levels at 100%, 70%, 40%, and 10% levels.  
UV = .005 UV Absorbing Overlay  
AH = Allenhead Scres with center pin reject  
DM = 0-10V dimming with 10-100% range.  
Dimming wires will be extended outside of fixture.

\* Cannot use with UN voltage  
.. Subject to change  
^ Must use with 12Ga. or 14Ga. Frame

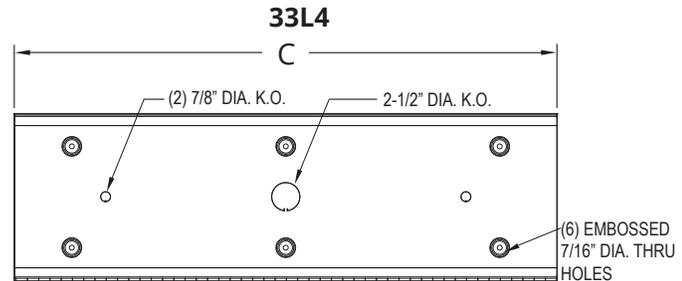
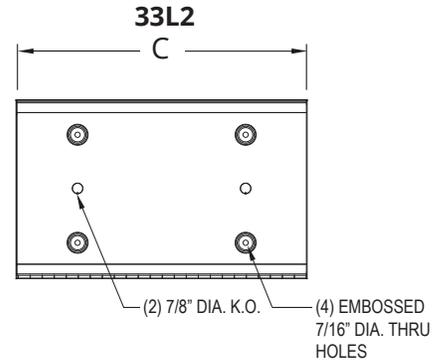
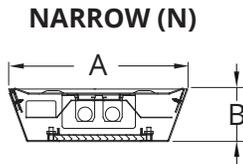
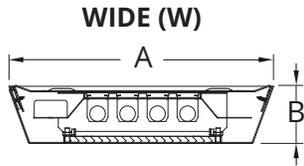
Notes:  
Specifications and Dimensions are subject to change without notice.  
For additional options and dimensional details please consult your New Star Lighting Representative.

# 33L SERIES LED

33LN2/33LN4/33LW2/33LW4



## DIMENSIONAL DATA



	A	B	C
<b>33LN2</b>	10.96"	3.13"	24.23"
<b>33LN4</b>	10.96"	3.13"	48.43"
<b>33LW2</b>	14.96"	3.13"	24.43"
<b>33LW4</b>	14.96"	3.13"	48.43"

## PERFORMANCE DATA

MODEL	OUTPUT	LAMP TYPE	LUMENS DELIVERED	EFFICACY (lm/W)	INPUT POWER (W)
33LN2	Standard	3500°K	1438	115	12.5
		4000°K	1500	120	12.5
		5000°K	1563	125	12.5
	Medium	3500°K	2875	115	25
		4000°K	3000	120	25
		5000°K	3125	125	25
33LN4	Standard	3500°K	2875	115	25
		4000°K	3000	120	25
		5000°K	3125	125	25
	Medium	3500°K	5750	115	50
		4000°K	6000	120	50
		5000°K	6250	125	50
33LW2	Low	3500°K	1438	115	12.5
		4000°K	1500	120	12.5
		5000°K	1563	125	12.5
	Standard	3500°K	2875	115	25
		4000°K	3000	120	25
		5000°K	3125	125	25
	Medium	3500°K	4180	110	38
		4000°K	4370	115	38
		5000°K	4560	120	38
33LW4	Low	3500°K	2875	115	25
		4000°K	3000	120	25
		5000°K	3125	125	25
	Standard	3500°K	5750	115	50
		4000°K	6000	120	50
		5000°K	6250	125	50
	Medium	3500°K	8250	110	75
		4000°K	8625	115	75
		5000°K	9000	120	75

Notes:  
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# 33L SERIES FLUORESCENT

33LN2/33LN4/33LW2/33LW4

## SPECIFICATION FEATURES

- HOUSING:** Die formed, seam welded, and ground smooth cold rolled steel or stainless steel. Incorporates a removable reflector unitized with all electrical components for easy installation and maintenance.
- 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.
- ELECTRONICS:** Electronic Ballast <10% THD standard. Lamps by others.
- FASTENERS:** Tamper resistant countersunk flat head Torx screws with center pin reject.
- FINISH:** White powder coat finish following iron phosphate pre-treatment.
- GASKET:** Black neoprene gasket around door frame to prevent light leaks.



**APPLICATION:**  
Minimum to Supermax Confinement, Psychiatric Wards, Public Housing, Detention Centers, Transportation, Athletic Facilities, and more.

**MOUNTING:**  
Surface installation.

**LABEL:**  
Fixture is certified to UL standards.



## ORDERING INFORMATION

Ex: 33LW2-A-2401-A/C-UN

PRODUCT FAMILY	STYLE	NOMINAL SIZE <small>*Dimensional Data Pg. 2</small>	GAUGE	# OF LAMPS	LAMP TYPE
33L	W = Wide N = Narrow	2 = 2ft. 4 = 4ft.	A = 12Ga. CRS B = 14Ga. CRS C = 16Ga. CRS D = 18Ga. CRS E = 14 Ga. SS (Brushed) F = 16Ga. SS (Brushed) G = 18Ga. SS (Brushed) H = 14Ga. SS (Painted) J = 16Ga. SS (Painted) K = 18Ga. SS (Painted)	<b>33LW:</b> 2 = 2 Lamp 3 = 3 Lamp 4 = 4 Lamp <b>33LN:</b> 1 = 1 Lamp 2 = 2 Lamp	<b>33L2:</b> 17 = Linear 17W T8 14 = Linear 14W T5 24 = Linear 24W T5 HO 40 = 40 Twin 2Gx11 ( 2 Lamp only ) <b>33L4:</b> 32 = 32W T8 28 = 28W T5 54 = 54W T5 HO
# OF BALLASTS	OUTER LENS	INNER LENS	VOLTAGE	OPTIONS	
1 = 1 Ballast 2 = 2 Ballasts	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 ^	0 = No Lens A = .125 Prismatic Acrylic B = .125 Prismatic Poly. C = .156 Prismatic Poly. D = .187 Prismatic Poly. E = .156 Prismatic Temp. Glass F = .156 Prismatic Acrylic G = .140 DR Acrylic LC3 = .125 White Frosted Poly.	12 = 120V 27 = 277V 34 = 347V ■ UN = Universal (120V-277V)	DB* E1* ◀ E2* ◀ PR AH FZ* WL UV NL*	

## KEY

DB = Dimming Ballast (0-10V)\*  
E1 = Emerg. Ballast (450lm)\* ◀  
E2 = Emerg. Ballast (1350lm)\* ◀  
PR = Program Rapid Start  
RF = RIF (Radio Interference Filter)\*

AH = Allenhead Scres with center pin reject  
FZ = Fuse\*  
WL = Wet Location  
UV = .005 UV Absorbing Overlay  
NL = Night Light\*

\* Cannot use with UN voltage  
^ Must use with 12Ga. or 14Ga. Frame  
◀ Consult factory for T5 availability  
■ Consult factory for lamp-ballast options

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# 33L SERIES FLUORESCENT

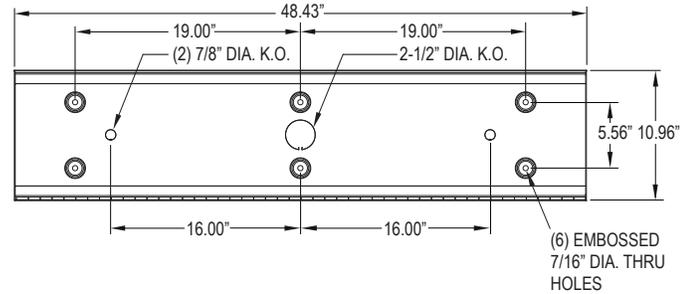
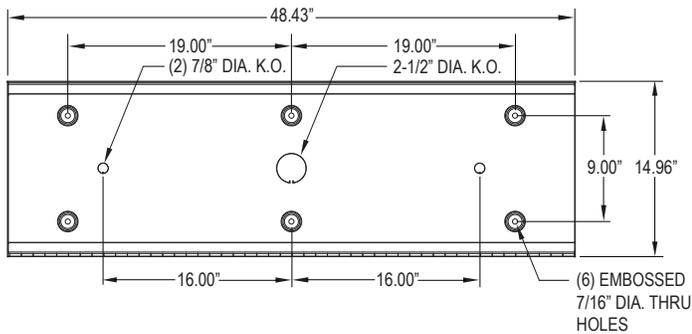
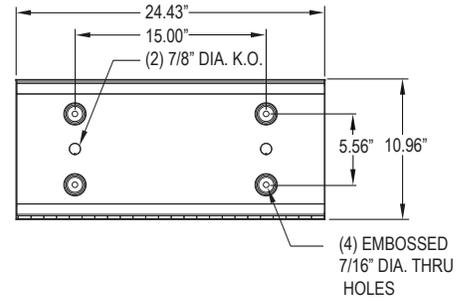
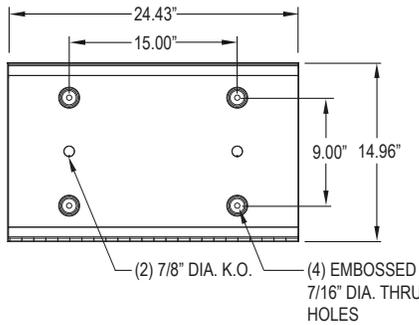
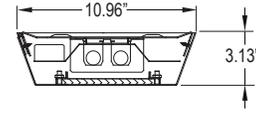
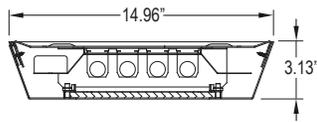
33LN2/33LN4/33LW2/33LW4



## DIMENSIONAL DATA

### WIDE (W)

### NARROW (N)



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