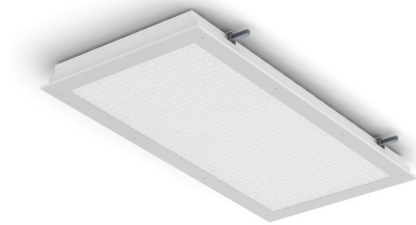


PROJECT: \_\_\_\_\_  
 TYPE: \_\_\_\_\_  
 PRODUCT: \_\_\_\_\_  
 APPROVED BY: \_\_\_\_\_



37M Series

## PRODUCT FEATURES

- Intended for Minimum to Maximum Security Correctional Facilities, Detention Centers, and more
- Concealed internal 16-gauge drop hinge
- Suitable for Damp Locations and IK10 Listed per IED60068
- This product is Made in America and complies with the Buy American Act, and the Build America, Buy America Act

## ORDERING INFORMATION

Example: 37M12-F/C-LB235-1C-0/A-UN



37M						
<b>Series</b>	<b>Nominal Size</b> 12 = 1 x 2 14 = 1 x 4 22 = 2 x 2 24 = 2 x 4  *Nominal Size. Dimensional Data on Page 2.	<b>Housing</b> A = 12Ga. CRS Painted B = 14Ga. CRS Painted C = 16Ga. CRS Painted D = 18Ga. CRS Painted E = 14Ga. Stainless Steel F = 16Ga. Stainless Steel G = 18Ga. Stainless Steel H = 14Ga. SS Painted J = 16Ga. SS Painted K = 18Ga. SS Painted	<b>Frame</b> A = 12Ga. CRS Painted B = 14Ga. CRS Painted C = 16Ga. CRS Painted E = 14Ga. SS Brushed F = 16Ga. SS Brushed H = 14Ga. SS Painted J = 16Ga. SS Painted	<b>Lumen Output*</b> <b>37M12-14:</b> L2 = Low L3 = High CL = Custom Lumen Output** <b>37M12-14:</b> L2 = Low L4 = Standard L6 = Medium L8 = High CL = Custom Lumen Output**  *Subject to change. Performance Data on page 3. **Must be specified at time of quote. Must not exceed fixture maximum output. Must specify "DMI" if selecting dimming.	<b>Color Temp.</b> 35 = 3500K 40 = 4000K 50 = 5000K TW1 = Tunable White 2700K to 5000K* TW2 = Tunable White 2700K to 6500K*  *Specify TW Driver under Options	<b>Circuits</b> 1C = 1 Circuit 2C = 2 Circuits*  *Refers to Inboard/ Outboard control. Recommended to be used with 4ft.

<b>Outer Lens</b> 0 = No Lens 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*  *Must use with 12Ga. or 14Ga. Frame	<b>Inner Lens</b> A = .125 Prismatic Acrylic B = .125 Prismatic Poly. C = .156 Prismatic Poly. D = .187 Prismatic Poly. F = .156 Prismatic Acrylic G = .140 DR Acrylic* H = .125 White Frost Poly. LC3 = .125 White Frosted Poly.  *Not rated for Wet Locations.	<b>Voltage</b> 12 = 120V 27 = 277V 34 = 347V UN = Universal (120V-277V)	<b>Options</b> FZ1 = Fuse (120V) FZ2 = Fuse (277V) LN = LED Night Light* EL1 = Emerg. Bat. LED 10W** EL2 = Emerg. Bat. LED 20W (N/A with 1x2)** AH = Allen Head Screws with Center Pin Reject DM = 0-10V dimming with 10-100% range DMI = 0-10V dimming with 1-100% range <b>TW Drivers:</b> DALI8 = DALI Type 8 (One DALI Address) TW0 = 2-Channel 0-10V dimming (Brightness & CCT)  *3500K. Non-dimming. Integrated switch allows light levels at 100%, 70%, 40% and 10% levels. **If stored, batteries should be fully recharged every six months and kept between 0°C-25°C to maintain optimal battery capacity.	<b>Accessories</b> PF = Plaster Frame & Yoke CB = Cross Bar
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**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 housing. 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:** Concealed internal 16-gauge drop hinge.

**LENS:** Outer and inner lens options secured with "Z" retainers with welded studs 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 dimming function with 10-100% or 1-100% 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 with center pin reject.

**FINISH:** White antimicrobial powder coat finish following multi-stage iron phosphate pre-treatment unless stainless steel brushed is specified.

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

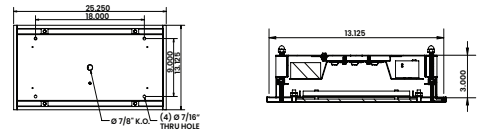
**INSTALLATION:** Easy Flange installation with adjustable 90° swing arm system. Hardware by others.

**WARRANTY:** New Star Promise.

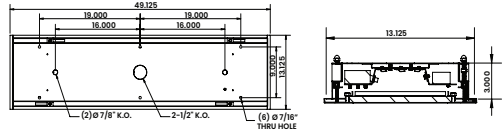
**LABEL:** Suitable for Damp Locations. IK10 Listed per IEC60068. This product is Made in America and complies with the Buy American Act, and the Build America, Buy America Act.

## DIMENSIONAL DATA

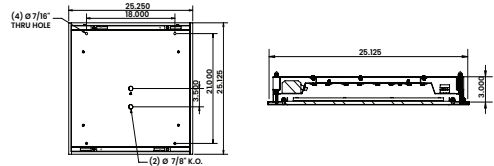
### 37M12



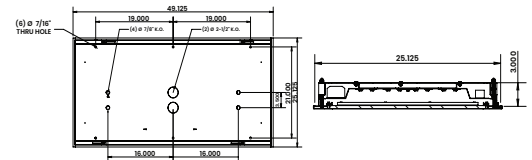
### 37M14



### 37M22



### 37M24



The 37M 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.



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## PERFORMANCE DATA

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

MODEL	OUTPUT	COLOR TEMP.	LUMENS DELIVERED	EFFICACY (lm/w)	INPUT POWER (W)
37M12	L2 = Low	4000K	2750	110	25
	L3 = High	4000K	4125	110	37.5
37M14	L2 = Low	4000K	5500	110	50
	L3 = High	4000K	8250	110	75
37M22	L2 = Low	4000K	2750	110	25
	L4 = Standard	4000K	5500	110	50
	L6 = Medium	4000K	8250	110	100
	L8 = High	4000K	11000	110	100
37M24	L2 = Low	4000K	5500	110	50
	L4 = Standard	4000K	11000	110	100
	L6 = Medium	4000K	16500	110	150
	L8 = High	4000K	22000	110	200



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