

53M22-53M24

CONFINEMENT SERIES

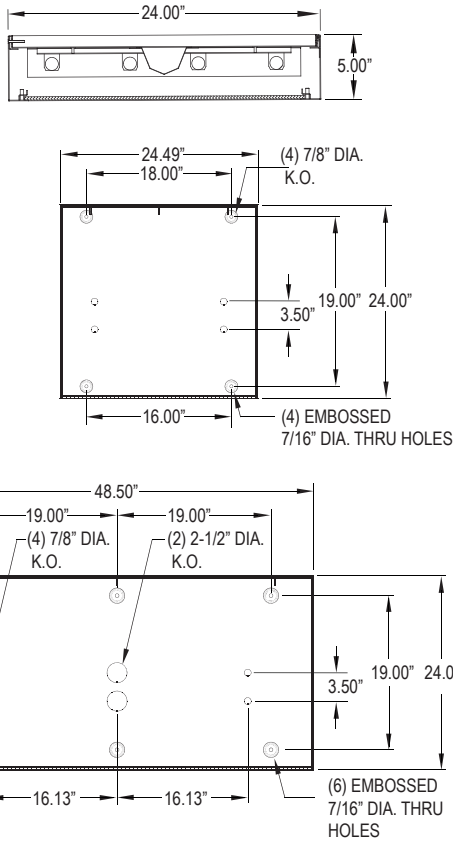
SURFACE LUMINAIRE

CLAMSHELL DESIGN FOR MIN. TO MAX. SECURITY
FLUORESCENT/LED



| |
|-----------|
| PROJECT: |
| TYPE: |
| PRODUCT: |
| APPROVED: |
| DATE: |

DIMENSIONAL DATA



FEATURES

The New Star® 53M22-53M24 " Confinement clamshell fixture is designed for security application where recessing is not possible or where surface mounting is desired.

- 18-12 gauge die formed steel or stainless steel non-clam shell housing with full length continuous staked piano hinge with welded end.
- Maximum to super maximum security application
- Wide variety of lens options held in place with Z-Channel and weld studs
- Torx head center pin screws standard
- Black neoprene gasket around door frame to prevent light leaks
- Clamshell design incorporates a contraband drop slot gap between the ceiling and the back of fixture
- Optional wet location

APPLICATION

- Confinement
- Psychiatric Wards
- Detention Centers
- Public Housing Complexes

- Transportation Applications
- Athletic Facilities
- Locker Rooms

SPECIFICATION FEATURES

HOUSING:

Die formed, seam welded, and ground smooth (specify material and gauge). Incorporates a removable reflector unitized with all electrical components for easy installation and maintenance.

LED:

Available in three standard color temperatures 3500°K, 4000°K & 5000°K. Other color temperatures available, consult factory.

BACKPLATE:

Die formed with contraband drop slot and embossed mounting holes(materials and gauge to match housing). Security caulking between ceiling and fixture is not required with this back plate design.

LED NIGHT LIGHT:

Integrated switch allows light selection at 100%,70%,40% and 10% levels

HINGE:

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

GASKET:

Black neoprene gasket around door frame to prevent light leaks

LENS / LENS RETENTION:

Lens per specification (see options) and secured by "Z" retainers with weld studs spaced six inches apart for maximum strength.

FASTENERS:

Tamper resistant countersunk, flat head Torx screws with center pin reject

FINISH:

White powercoat finish following an iron phosphate pre-treatment.

LABEL:



ORDERING INFORMATION

Product Family Gauge # of Lamps Lamp Type # of Ballast/Driver

| | | | | | | | | |
|-----------------------------|--|--|---|---|--|---|--|--|
| 53M_ | - | | - | | | | | |
| 53M22 24" x 24-1/2" x 5" | A = 12 Ga. CRS B = 14 Ga. CRS C = 16 Ga. CRS D = 18 Ga. CRS E = 14 Ga. SS F = 16 Ga. SS | G = 18 Ga. SS (Brushed) H = 14 Ga. SS (Painted) J = 16 Ga. SS (Brushed) K = 18 Ga. SS (Painted) | 53M22-53M24 2 = 2 Lamp 3 = 3 Lamp 4 = 4 Lamp 6 = 6 Lamp (53M22 only) LED 53M22: L2 = LED 2 Row (25W) L3 = LED 3 Row (37.5W) L4 = LED 4 Row (50W) | LED 53M24: L2 = LED 2 Row (50W) L3 = LED 3 Row (75W) L4 = LED 4 Row (100W) L5 = LED 5 Row (125W) L6 = LED 6 Row (150W) L7 = LED 7 Row (175W) L8 = LED 8 Row (200W) | 53M22 17 = Linear 17W T8 14 = Linear 14W T5 24 = Linear 24W T5 HO 40 = 40 Twin 2Gx11 (2 Lamp only) U6 = 32W U-Lamp ≠ (6" leg spacing) | 53M24 32 = 32W T8 28 = 28W T5 54 = 54W T5 HO LED: 53M22-53M24 35 = White 3500°K 40 = White 4000°K 50 = White 5000°K | Fluorescent: 1 = 1 Ballast 2 = 2 Ballast | LED: 1 = Driver 2 = Driver 3 = Driver 4 = Driver |

Outer Lens / Inner Lens - Voltage - Options

| | | | | | | |
|---|---|---|---|---|--|--|
| Ø = 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 ^ | Ø = No Lens A = .125 Pris. Acrylic B = .125 Pris. Poly. C = .156 Pris. Poly. D = .187 Pris. Poly. | E = .156 Pris. Temp. Glass F = .156 Pris. Acrylic G = .140 DR Acrylic LC3 = .125 White Frosted Poly. | 12 = 120V 27 = 277V 34 = 347V ■ UN = Universal (120V-277V) | DB = Ballast: Dimming (0-10V) * E1 = Emerg.Ballast (450 Lumens) * ◀▶ E2 = Emerg.Ballast (1350 Lumens) * ◀▶ PR = Program. Rapid Start Ballast AH = Allenhead Screws with center pin reject NL = Fluorescent Night Light * | LN = LED Night Light. Consult factory for available color /temperatures. FZ = Fuse Holder* WL = Wet Location UV = .005 UV Absorbing Overlay |
|---|---|---|---|---|--|--|

^ Must Use 12 or 14 Gauge Frame ◀ Consult factory for T5 availability ≠ 4 lamp only
* Cannot use with universal voltage option ■ Consult factory for lamp-ballast options ♦ Not available in LED

Notes:
Specifications and Dimensions are subject to change without notice. For additional options and dimensional details please consult your New Star Lighting Representative. For specific electronic ballast, specify brand and catalog number.