UMW2-UMW4

Confinement Series

Surface Luminaire

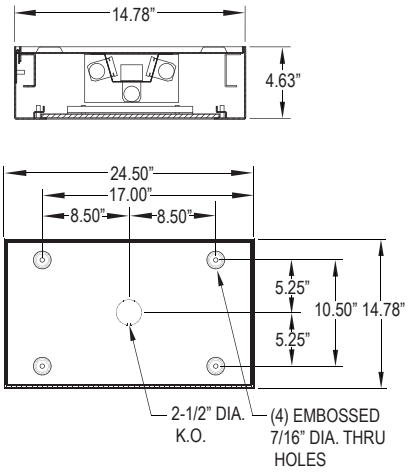
Clamshell Design for Max. to Supermax Security

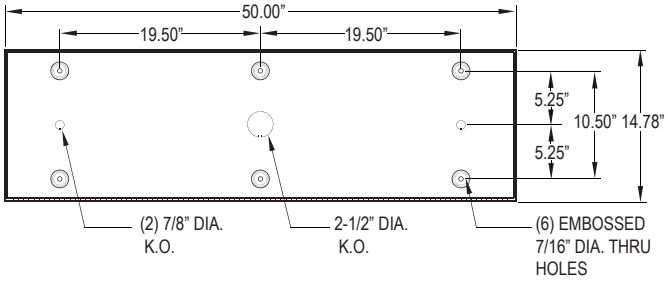
Fluorescent/LED

Made in America

Project:	
Type:	
Product:	
Approved:	
Date:	

DIMENSIONAL DATA





FEATURES

The New Star " UMW2-UMW4 " Confinement clamshell fixture is designed for max to super security application

- 16-12 gauge die formed steel or stainless steel clam shell housing with full length continuous staked piano hinge with welded end
- Reinforced internal sidewall
- 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.

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.

HINGE:

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

LENS / LENS RETENTION:

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

ELECTRONICS:

Fluorescent:

Electronic Ballast <10% THD standard. RIF available. Lamps by others.

LED:

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

LED NIGHT LIGHT:

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

GASKET:

Black neoprene gasket around door frame to prevent light leaks

FASTENERS:

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

FINISH:

Polyester powdercoat with 92% reflectance, following a 5 stage iron phosphate pre-treatment

LABEL:

c UL us

ORDERING INFORMATION

Product Family: UMW_

- UMW2
  14-3/4" x 24-1/2" x 4-5/8"
- UMW4
  14-3/4" x 50" x 4-5/8"

Gauge

- A = 12 Ga. CRS
- B = 14 Ga. CRS
- C = 16 Ga. CRS
- D = 18 Ga. CRS
- E = 14 Ga. SS (Brushed)
- F = 16 Ga. SS (Brushed)
- G = 18 Ga. SS (Brushed)
- H = 14 Ga. SS (Painted)
- J = 16 Ga. SS (Painted)

# of Lamps

Fluorescent
UMW2-UMW4:
- 1 = 1 Lamp
- 2 = 2 Lamp
- 3 = 3 Lamp

LED UMW2:
- L1 = LED 1 Row (12.5)
- L2 = LED 2 Row (25W)
- L3 = LED 3 Row (37.5W)

LED UMW4:
- L1 = LED 1 Row (25W)
- L2 = LED 2 Row (50W)
- L3 = LED 3 Row (75W)

Lamp Type

Fluorescent UMW2:
- 17 = Linear 17W T8
- 14 = Linear 14W T5
- 24 = Linear 24W T5 HO
- 40 = 40 Twin 2Gx11

Fluorescent UMW4:
- 32 = 32W T8
- 28 = 28W T5
- 54 = 54W T5 HO

LED:
- 35 = White 3500˚ K
- 40 = White 4000˚ K
- 50 = White 5000˚ K

 # Ballasts/Drivers

Fluorescent:
- 1 = Ballast
- 2 = Ballast

LED:
- 1 = Driver
- 2 = Driver

Outer Lens

- 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^

Inner Lens

- 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 Polycarbonate

Voltage

- 12 = 120V
- 27 = 277V
- 34 = 347V ■
- UN = Universal (120V-277V

Options

- DB = Ballast: Dimming (0-10V) *
- E1 = Emerg.Ballast (450 Lumens) * ◄
- E2 = Emerg.Ballast (1350 Lumens) * ◄
- EL1= Emerg. Bat. LED Low
- EL2= Emerg. Bat. LED High
- 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
* Cannot use with universal voltage option
◄ Consult factory for T5 availability
■ Consult factory for lamp-ballast options

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.

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