

# 551-552-554

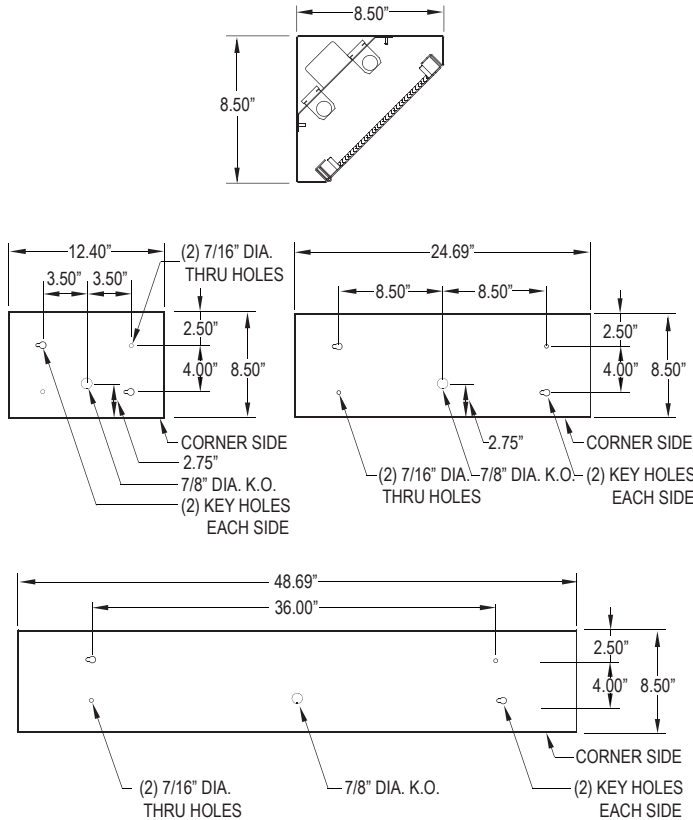
## CONFINEMENT SERIES CORNER LUMINAIRE

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



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

### DIMENSIONAL DATA



### FEATURES

The New Star™ 551-552-554 "Confinement corner mount fixture is design for security applications to meet max security use

- 18-14 gauge non-clamshell corner luminaire
- 16 gauge concealed full length continuous staked piano hinge with welded ends
- Lens options held in place with Z-Channel and weld studs
- Black neoprene gasket around door frame to prevent light leaks
- Tamper resistance Torx head center pin screws standard
- Wet location optional

### 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.

#### 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:

Polycarbonate or tempered glass lens sealed to frame.

#### LENS RETAINER:

14 gauge cold rolled retaining angles attached to through door studs for positive lens clamping

#### 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:

White powercoat finish following an iron phosphate pre-treatment.

#### LABEL:



### ORDERING INFORMATION

Product Family Gauge # of Lamps Lamp Type # of Ballasts/Drivers

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|  |  |  |   |  |
|--|--|--|---|--|
| <p>551<br/>8-1/2" x 12-3/8" x 8-1/2"</p> <p>552<br/>8-1/2" x 24-11/16" x 8-1/2"</p> <p>554<br/>8-1/2" x 48-11/16" x 8-1/2"</p> | <p>A = 12 Ga. CRS G = 18 Ga. SS<br/>B = 14 Ga. CRS (Brushed)<br/>C = 16 Ga. CRS H = 14 Ga. SS<br/>D = 18 Ga. CRS (Painted)<br/>E = 14 Ga. SS J = 16 Ga. SS<br/>(Brushed) (Painted)<br/>F = 16 Ga. SS K = 18 Ga. SS<br/>(Brushed) (Painted)</p> | <p>Fluorescent: LED 552:<br/>551 L2 = 2 Row (25W)<br/>1 = 1 Lamp L3 = 3 Row (37.5W)<br/>2 = 2 Lamp<br/>552-554 LED 554:<br/>1 = 1 Lamp L2 = 2 Row (50W)<br/>2 = 2 Lamp L3 = 3 Row (75W)<br/>3 = 3 Lamp</p> | <p>Fluorescent: 5511 Fluorescent: 552 LED:<br/>18 = 18W Triple Gx24q-2 17 = Lin. 17W T8 35 = White 3500° K<br/>8Q = 18W Quad G24q-2 14 = Lin. 14W T5 40 = White 4000° K<br/>26 = 26W Triple Gx24q-3 24 = Lin. 24W T5 HO 50 = White 5000° K<br/>6Q = 26W Quad G24q-3 40 = 40 Twin 2Gx11<br/>32 = 32W Triple Gx24q-3 (1 lamp only)<br/>42 = 42W Triple Gx24q-4 Fluorescent:554<br/>32 = 32W T8<br/>28 = 28W T5<br/>54 = 54W T5 HO</p> | <p>Fluorescent:<br/>1 = 1 Ballast<br/>2 = 2 Ballast<br/>LED:<br/>1 = Driver<br/>2 = Driver</p> |
|--|--|--|---|--|

Outer Lens / Inner Lens - Voltage - Options

|  |   |   |   |  |
|--|---|---|---|--|
| <p>Ø = No Lens 4 = .500 Clear Poly.<br/>A = .125 Clear Poly. 5 = .187 Clear Temp.Glass<br/>B = .156 Clear Poly. 6 = .250 Clear Temp.Glass<br/>1 = .187 Clear Poly. 7 = .375 Clear Temp.Glass ^<br/>2 = .250 Clear Poly. 8 = .500 Clear Temp.Glass ^<br/>3 = .375 Clear Poly. 9 = .750 Clear Temp.Glass ^</p> | <p>Ø = No Lens E = .156 Pris. Temp. Glass<br/>A = .125 Pris. Acrylic F = .156 Pris. Acrylic<br/>B = .125 Pris. Poly. G = .140 DR Acrylic<br/>C = .156 Pris. Poly. LC3 = .125 White Frosted Poly.<br/>D = .187 Pris. Poly.</p> | <p>12 = 120V<br/>27 = 277V<br/>34 = 347V ■<br/>UN = Universal<br/>(120V-277V)</p> | <p>DB = Ballast: Dimming (0-10V) *<br/>E1 = Emerg.Ballast (450 Lumens) * ◀◀<br/>E2 = Emerg.Ballast (1350 Lumens)* ◀◀<br/>PR = Program. Rapid Start Ballast<br/>DLN = Dimmable LED Night Light.<br/>Consult factory for available color / temperatures.<br/>NL = Fluorescent Night Light *<br/>TH = Torx Head Screws</p> | <p>AH = Allenhead Screws with center pin reject<br/>FZ = Fuse Holder *<br/>WL = Wet Location<br/>UV = .005 UV Absorbing Overlay<br/>PF = Plaster Frame &amp; Yolk<br/>CB = Cross Bar<br/>LN = LED Night Light (3500°K)</p> |
|--|---|---|---|--|

^ Must Use 12 or 14 Gauge Frame  
\* Cannot use with universal voltage option

◀ Consult factory for T5 availability  
■ 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.



Based on a .125 Clear Polycarbonate outer lens / .125 Prismatic Acrylic Inner lens

| # LED BOARDS | # ROWS | WATTAGE | EFFICACY (lm/W) | DELIVERED LUMENS |
|--------------|--------|---------|-----------------|------------------|
| <b>551:</b>  |        |         |                 |                  |
| M1           | 1MD    | 30W     | 83              | 2,425 LMS        |
| <b>552:</b>  |        |         |                 |                  |
| L2           | 2 Rw   | (25.0W) | 115             | 2,875 LMS        |
| L3           | 3 Rw   | (37.5W) | 115             | 4,315 LMS        |
| <b>554:</b>  |        |         |                 |                  |
| L2           | 2 Rw   | (50.0W) | 115             | 5,750 LMS        |
| L3           | 3 Rw   | (75.0W) | 115             | 8,650 LMS        |

TAKE AN ADDITIONAL 20% OFF DELEIVERED LUMENS WHEN SPECIFYING THE LC3 LENS