MTR Column

se'lux ®

Project: _____

Type: _____ Qty: _____

| _____ | - | _____ | - | _____ | - | _____ | - | _____ | - | _____ |
| Fixture Series | | Height | | Lamp Type/Wattage | | Finish | | Voltage | | Options |

Series	Height	Lamp Type / Wattage		Finish	Voltage	Options
MTRT MTR* Column Round Tapered Pole	**12** 12′	**1T8** (1x)FO32T8	⊕	**WH** White	**120**	**REC** GFCI Receptacle
	14 14′			**BK** Black	**277**	
MTRS MTR* Column Round Straight Pole	**16** 16′	**2T8** (2x)FO32T8	⊗	**BZ** Bronze	**347**	Consult factory for other heights and options
		3T8 (3x)FO32T8	⊗	**SV** Silver		
MTRC MTR* Column Round 8" Straight Pole				**SP** Specify RAL#		
* US Patent No. 4,669,034		**4T8** (4x)FO32T8	⊗			

MTRT / MTRS   MTRC

Ø 8" (203mm)   Ø 7⅞" (200mm)

50⅛" (1273mm)   49⅛" (1249mm)

SCALE 1 : 12
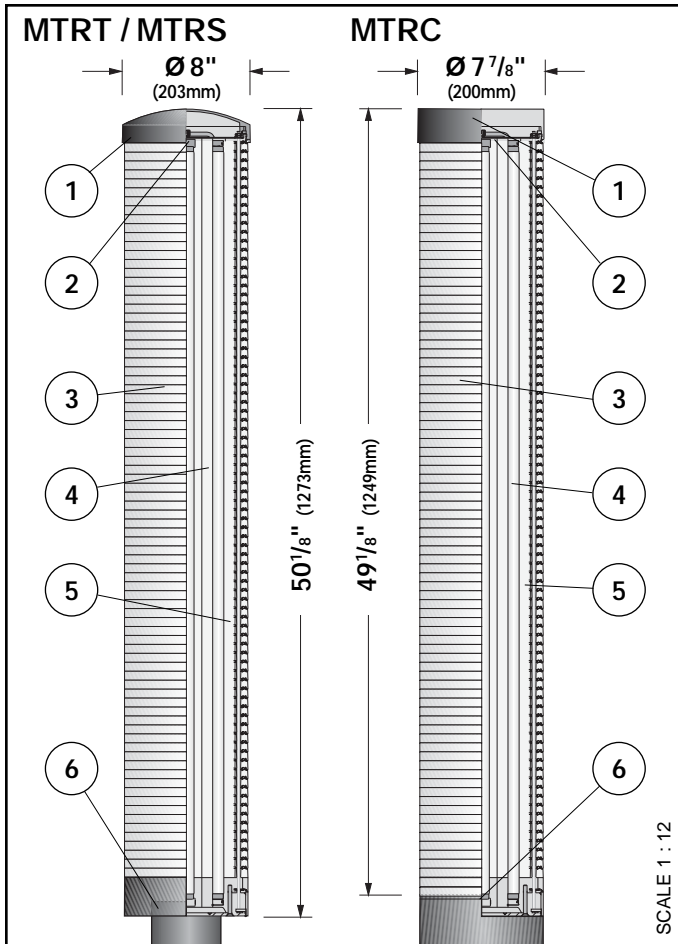
1. Fixture Cover - Die-cast, aluminum cover, with smooth crisp form to reflect and complement the column design. Thick-walled, aluminum cover is painted white on the interior for maximum luminaire efficiency. Removes by loosening three vandal-resistant, stainless steel screws for easy access to lamp chamber.

2. Gasketing - Continuous gaskets provide weather-proofing, dust, and insect control at base of column, fixture cover, and between MTR rings.

3. Shielding - Consists of 8" (200mm) diameter injection-molded acrylic multi-prisms for total reflection (MTR). MTR rings have a wall thickness of .591" and are patterned after the light-bending characteristics of a prism (US Patent 4,669,034).

4. Lamps - One, two, three or four FO32T8 (32 watts each) fluorescent lamps on removable gear tray, mounted vertically. Lamps provided by others.

5. Diffusing Cylinder - Satine acrylic cylinder between lamps and MTR rings to diffuse lamp image for maximum performance and visual comfort.

6. Column Fitter - Die-cast aluminum fitter, with built-in gasketing ridges, for smooth transition to column.

7. Ballast (not shown)- Electronic ESB, high power factor, class P , type A sound rating. Minimum lamp starting temperature 0 F (-20 C). Consult factory for more detailed ballast information.

8. Base Cover - (not shown) Standard two-piece base cover is made from die-cast 356 alloy aluminum which is heat treated to produce a T6 temper, measuring 4½" (115mm) height by 12½" (316mm) diameter.

Exterior Luminaire Finish - SELUX utilizes a high quality Polyester Powder Coating. All se lux luminaires and poles undergo a five stage intensive pretreatment process where product is thoroughly cleaned, phosphated and sealed. se lux powder coated products provide excellent salt and humidity resistance as well as ultra violet resistance for color retention. All products are tested in accordance with test specifications for coatings from ASTM and PCI.

Standard exterior colors are White (WH), Black (BK), Bronze (BZ), and Silver (SV). RAL colors (SP) are available, please specify RAL#.

MTR Column

se'lux®

Photometry

MTRT with 1T8 lamp
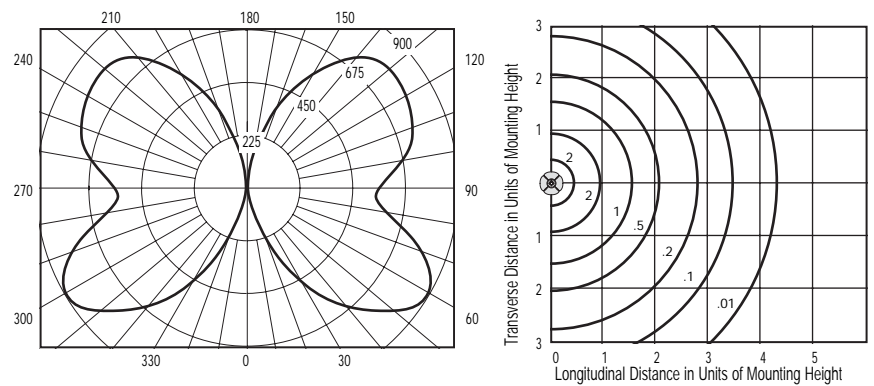
Catalog # MTRT - 12 - 1T8
Report # SX 17021

- Maximum candela of 540.2 at 60° from vertical.
- IES classification - Type IV Non-Cutoff
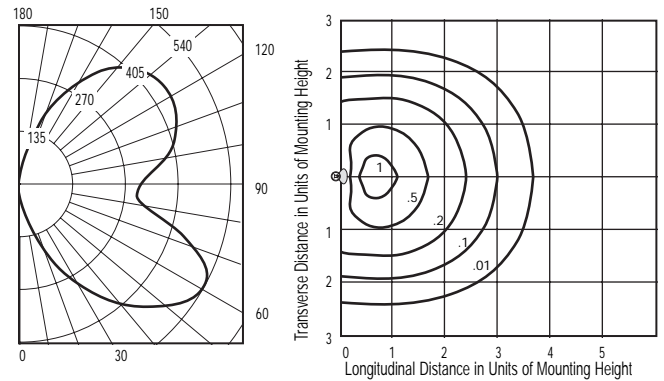
MTRT with 4T8 lamps

Catalog # MTRT - 12 - 4T8
Report # SX 17020

- Maximum candela of 898.2 at 57.5° from vertical.
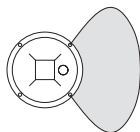- IES classification - Type V Semi-Cutoff
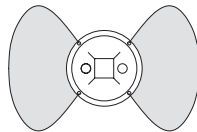
Conversion Chart

Values based on 14′ (4.3m) mounting height.

Mounting Height		Multiply
12′	(3.7m)	1.36
14′	(4.3m)	1.00
16′	(4.9m)	0.77

1T8

2T8

3T8
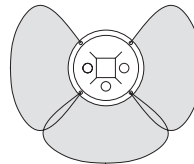
4T8
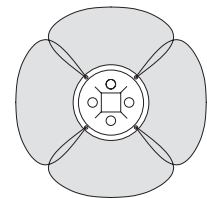
MTR Column

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Mounting Information
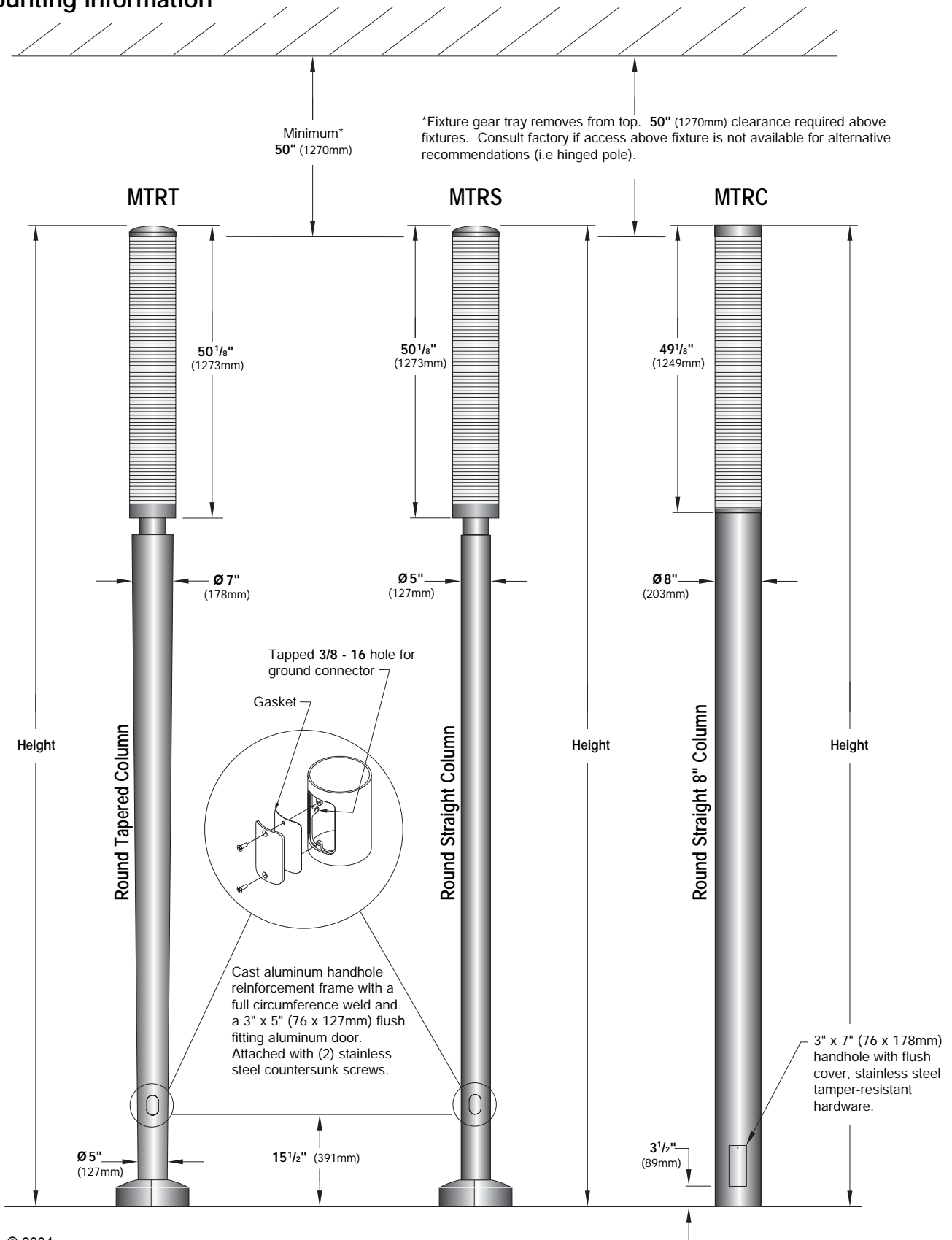
Minimum*
50" (1270mm)

*Fixture gear tray removes from top. **50"** (1270mm) clearance required above fixtures. Consult factory if access above fixture is not available for alternative recommendations (i.e hinged pole).

MTRT

50 $\frac{1}{8}$"
(1273mm)

Ø 7"
(178mm)

Round Tapered Column

Height

Ø 5"
(127mm)

15 $\frac{1}{2}$" (391mm)

MTRS

50 $\frac{1}{8}$"
(1273mm)

Ø 5"
(127mm)

Round Straight Column

Height

MTRC

49 $\frac{1}{8}$"
(1249mm)

Ø 8"
(203mm)

Round Straight 8" Column

Height

Tapped **3/8 - 16** hole for ground connector

Gasket

Cast aluminum handhole reinforcement frame with a full circumference weld and a 3" x 5" (76 x 127mm) flush fitting aluminum door. Attached with (2) stainless steel countersunk screws.

3" x 7" (76 x 178mm) handhole with flush cover, stainless steel tamper-resistant hardware.

3 $\frac{1}{2}$"
(89mm)

MTR Column

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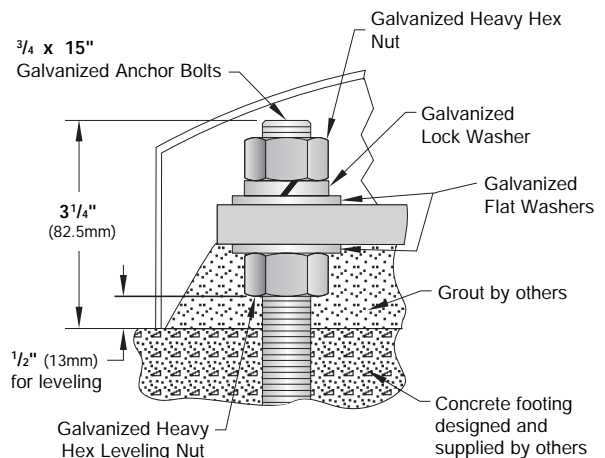
MTRT/MTRS Bolt Circle

Use caution when setting anchor bolts. Bolts must be vertically straight and centered on dimensions shown.

Ø 8 1/2" (216mm) Bolt Circle

9 1/4" (235mm)

Ø 4 11/16" (119mm) Conduit Opening

Hand Hole Location

SCALE 1 : 8
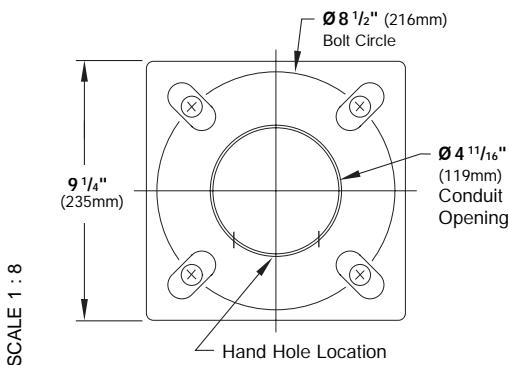
Note: Adequate drainage must be provided in concrete foundation or grout.

MTRT/MTRS Anchor Bolt Detail

3/4 x 15" Galvanized Anchor Bolts

Galvanized Heavy Hex Nut

Galvanized Lock Washer

Galvanized Flat Washers

3 1/4" (82.5mm)

Grout by others

1/2" (13mm) for leveling

Galvanized Heavy Hex Leveling Nut

Concrete footing designed and supplied by others

BC3 Standard Base Cover (MTRT/MTRS)

Die-cast aluminum, two-piece field installable base cover.

4 1/2" (112mm)

Ø 12 1/2" (316mm)

Alternate Mounting Detail (MTRT/MTRS)
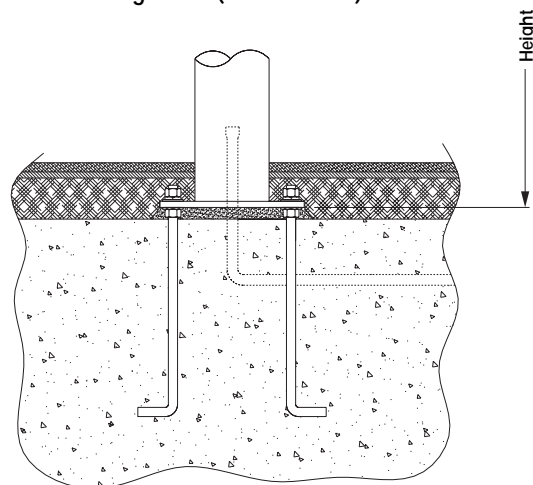
Height

MTRC Bolt Circle

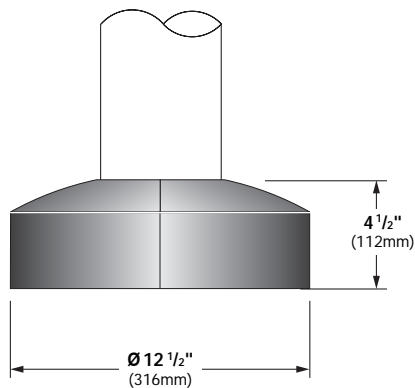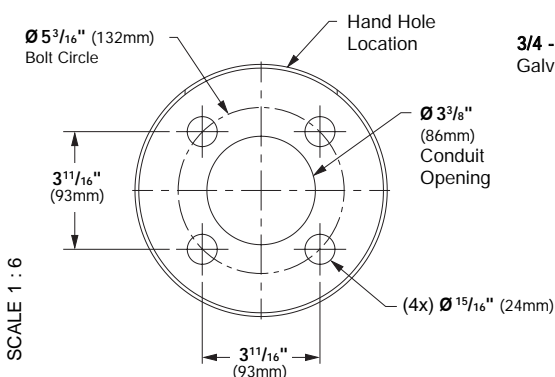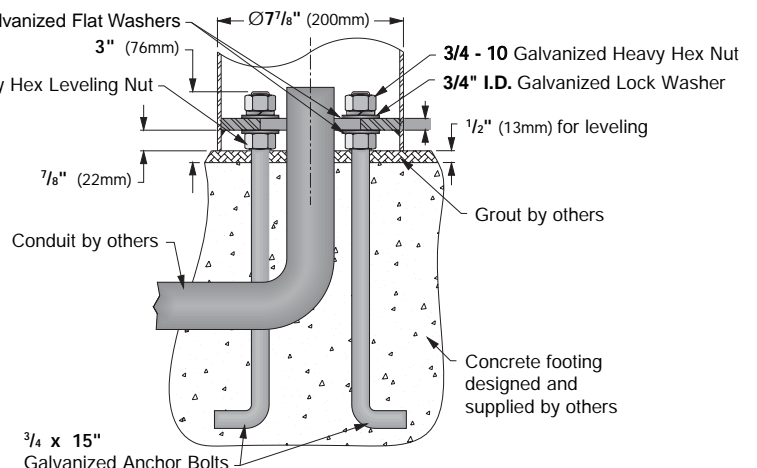Use caution when setting anchor bolts. Bolts must be vertically straight and centered on dimensions shown.

Ø 5 3/16" (132mm) Bolt Circle

Hand Hole Location

Ø 3 3/8" (86mm) Conduit Opening

3 11/16" (93mm)

(4x) Ø 15/16" (24mm)

3 11/16" (93mm)

SCALE 1 : 6

Note: Adequate drainage must be provided in concrete foundation or grout.

MTRC Anchor Bolt Detail

3/4" I.D. Galvanized Flat Washers

Ø 7/8" (200mm)

3" (76mm)

3/4 - 10 Galvanized Heavy Hex Leveling Nut

3/4 - 10 Galvanized Heavy Hex Nut

3/4" I.D. Galvanized Lock Washer

1/2" (13mm) for leveling

7/8" (22mm)

Conduit by others

Grout by others

Concrete footing designed and supplied by others

3/4 x 15" Galvanized Anchor Bolts

MTR Column

Options

GFCI Receptacle (REC) - GFCI duplex receptacle
with cast base welded to pole and gasketed,
provided with weather-proof, self-closing cover;
located 36" (915mm) from base of pole, inline with
handhole. Receptacle is intended only for portable
tools or other portable equipment to be connected
to outlet only when attended by operating personnel.