

Ordering Information

| Catalog No. | Finish | Lamp | Mounting |
|---------------|----------|--------------------------------|--|
| 8109AL | Aluminum | 20W T4 CMH | All Monopoint, Multipoint, recessed track, suspension track, suspension stems, sloped ceiling adapter, Basic, Advent and Radius Track systems only. Ceiling and horizontal or vertical wall mounted. Not compatible with ProSpec track system. |
| 8109BK | Black | M/C 156 | |
| 8109WH | White | GU6.5 TAL base Not Included | |

Reflectors (Sold Separately)

| | |
|---------------------|---|
| 24MHT4RS | Clear Spot Reflector |
| 24MHT4RNF | Clear Narrow Flood Reflector |
| 24MHT4RF | Clear Flood Reflector |
| 24MHT4RSCCZ | Champagne Bronze Spot Reflector |
| 24MHT4RNFCCZ | Champagne Bronze Narrow Flood Reflector |
| 24MHT4RFCCZ | Champagne Bronze Flood Reflector |
| 24MHT4RSWRM | Incandescent Warming Spot Reflector |
| 24MHT4RNFWRM | Incandescent Warming Narrow Flood Reflector |
| 24MHT4RFWRM | Incandescent Warming Flood Reflector |

Features

- Track Attachment Fitting:** Molded polycarbonate. Integral color in gray, black or white. Rotates into track and locks into place with the use of push tabs.
- Push Tab:** Molded polycarbonate. Locks and detaches unit.
- Track Adaptor Housing:** Die-cast aluminum
- Movable Contact:** Solid Brass. Extends for connection to 2nd circuit in Advent track.
- Ground Contact :** Solid brass
- Pivot Mounts:** Allows for 350° horizontal and 0-90° vertical rotation with tensioned mounts for controlled aim.
- Ballast Housing:** Extruded housing with die-cast aluminum covers.
- Ballast:** High Power Factor metal halide electronic ballast. Thermally protected, 0.20 amps maximum input current, 24.5 watts input power.
- Lamp Housing:** 0.04" (1.02mm) aluminum
- Inner Housing:** 0.04" (1.02mm) aluminum. Black finish.
- Reflector Knobs:** Steel zinc-plated knurled knobs. Secured the reflector without tool.
- Lampholder:** Twist and Lock GU6.5 base allows lamp positioning with a single rotation. 5kV (250V) pulse rated porcelain body socket with nickel-plated contacts. 18 AWG Teflon leads with fiberglass outer sleeve.
- Protective Glass:** 0.13" (3.18mm) tempered glass. attenuation barrier. (UV) attenuation barrier.
- Housing Cover:** 0.04" (1.02mm) aluminum
- Cover Knobs:** Color steel knurled knobs. Finish matches luminaire color. Detaches housing cover without tool.

Accessories

- 8195:** Holds one accessory for 25 series (2 1/2" dia.)
- AF25 series:** Diffusion/ Special Filters
- ADF25 series:** Color Filters
- AL35HC:** Louver (Hex cell) black. Doesn't require 8195 accessory holder.
- AF35FR:** Softening lens does not require 8195 holder.

Finish

All painted finishes are baked powder or enamel.

Markings

cCSAus Listed, for dry locations only.

Job Information

Type:

Job Name:

Cat. No.:

Lamp(s):

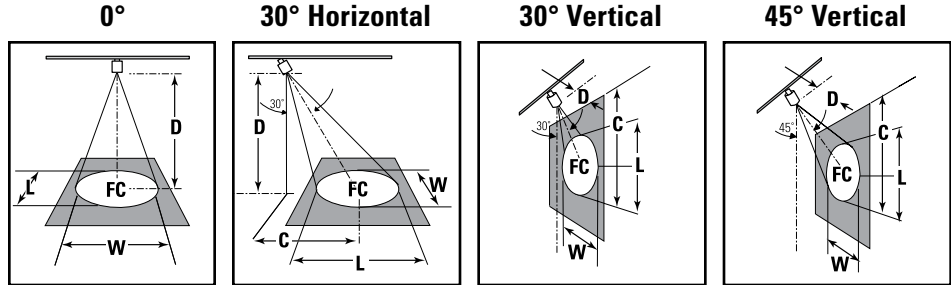
Notes:

Aiming Angle:

L Beam length
W Beam Width
C Distance to center beam
D Distance
A Aiming Angle
FC Footcandles

L and **W** are the outer points where the candle power drops to 50% of the maximum. **FC** are the initial footcandles at the center of the beam.

Lamp data shown is typical. Consult lamp manufacturers for availability and performance.
 CBCP = Center Beam Candle Power.



| Lamp | Beam Spread (To 50% CBCP) | CBCP | Rated Life (Hrs.) | 0° | | | | 30° Horizontal | | | | 30° Vertical | | | | 45° Vertical | | | | | | |
|-----------|------------------------------|-------|----------------------|----|-----|-----|-----|----------------|------|-----|-----|--------------|-----|------|-----|--------------|-----|---|-----|-----|-----|-----|
| | | | | D | FC | L | W | D | C | FC | L | W | D | C | FC | L | W | D | C | FC | L | W |
| 24MHT4RS | 10° | 17773 | 12,000 | 10 | 178 | 1.7 | 1.7 | 4 | 6.9 | 139 | 2.9 | 1.4 | 4 | 6.9 | 139 | 2.9 | 1.4 | 5 | 5.0 | 251 | 1.8 | 1.2 |
| | | | | 12 | 123 | 2.1 | 2.1 | 5 | 8.7 | 89 | 3.6 | 1.7 | 5 | 8.7 | 89 | 3.6 | 1.7 | 6 | 6.0 | 175 | 2.1 | 1.5 |
| | | | | 14 | 91 | 2.4 | 2.4 | 6 | 10.4 | 62 | 4.3 | 2.1 | 6 | 10.4 | 62 | 4.3 | 2.1 | 7 | 7.0 | 128 | 2.5 | 1.7 |
| | | | | 16 | 69 | 2.8 | 2.8 | 7 | 12.1 | 45 | 5.0 | 2.4 | 7 | 12.1 | 45 | 5.0 | 2.4 | 8 | 8.0 | 98 | 2.8 | 2.0 |
| | | | | | | | | | | | | | | | | | | | | | | |
| 24MHT4RNF | 23° | 4017 | 12,000 | 6 | 112 | 2.4 | 2.4 | 6 | 3.5 | 72 | 3.3 | 2.8 | 2 | 3.5 | 126 | 3.7 | 1.6 | 3 | 3.0 | 158 | 2.5 | 1.7 |
| | | | | 8 | 63 | 3.3 | 3.3 | 8 | 4.6 | 41 | 4.4 | 3.8 | 3 | 5.2 | 56 | 5.6 | 2.4 | 4 | 4.0 | 89 | 3.4 | 2.3 |
| | | | | 10 | 40 | 4.1 | 4.1 | 10 | 5.8 | 26 | 5.5 | 4.7 | 4 | 6.9 | 31 | 7.4 | 3.3 | 5 | 5.0 | 57 | 4.2 | 2.9 |
| | | | | 12 | 28 | 4.9 | 4.9 | 12 | 6.9 | 18 | 6.6 | 5.6 | 5 | 8.7 | 20 | 9.3 | 4.1 | 6 | 6.0 | 39 | 5.1 | 3.5 |
| | | | | | | | | | | | | | | | | | | | | | | |
| 24MHT4RF | 35° | 1859 | 12,000 | 6 | 52 | 3.8 | 3.8 | 5 | 2.9 | 48 | 4.3 | 3.6 | 1.5 | 2.6 | 103 | 5.4 | 1.9 | 2 | 2.0 | 164 | 2.8 | 1.8 |
| | | | | 7 | 38 | 4.4 | 4.4 | 6 | 3.5 | 34 | 5.2 | 4.4 | 2 | 3.5 | 58 | 7.2 | 2.5 | 3 | 3.0 | 73 | 4.2 | 2.7 |
| | | | | 8 | 29 | 5.0 | 5.0 | 7 | 4.0 | 25 | 6.1 | 5.1 | 3 | 5.2 | 26 | 10.8 | 3.8 | 4 | 4.0 | 41 | 5.6 | 3.6 |
| | | | | 9 | 23 | 5.7 | 5.7 | 8 | 4.6 | 19 | 7.0 | 5.8 | 4 | 6.9 | 15 | 14.4 | 5.0 | 5 | 5.0 | 26 | 7.0 | 4.5 |
| | | | | | | | | | | | | | | | | | | | | | | |

Note: For Champagne Bronze (CCZ), multiply FC values by 0.64.
 For Incandescent Warm (WRM), multiply FC values by 0.85.

Job Information **Type:**