



NTM-6617 NTM-6630 NTM-6638

Ceramic Metal Halide (CMH) Shroud

LAMP WATTAGE

- (1) CDM50ED17
- (1) CDM70ED17
- (1) CDM39/PAR30L
- (1) CDM70/PAR30L
- (1) CDM70/PAR38

DESCRIPTION

Ceramic Metal Halide (CMH) Shroud fixture accepts either a PAR reflector light source or comes equipped with a faceted reflector to efficiently project light from a CMH ED17 source. Electronic ballast is encased in unique slim ballast casing and is suitable for use with high CRI ceramic-type PAR metal halide light sources.

FEATURES

- Solid State Electronic Ballast in Slim Die Cast Aluminum Casing
- Integral On/Off Switch
- Multi-Faceted reflector included with ED17 version
- Deep drawn one-piece steel socket cup & reflector shroud
- Tempered safety shield
- Heat resistant Teflon coated wire lead
- High-strength stainless steel electrical contacts
- One or two circuit track capable

HOUSING, SOCKET & REFLECTOR SHROUD

.060 Deep drawn steel construction with softened edges. Conical face completely houses faceted reflector and lamp. L-Bracket provides firm friction hold for accurate aiming.

REFLECTOR (ED17 VERSION ONLY)

.050 Multifaceted reflector. Provides a 14° narrow flood distribution common to PAR light sources to an ED-17 light source. Finish is clear specular with reduced iridescence.

SHIELD

.11 Tempered shield reduces UV radiation and provides protection in case of ED-17 light source failure/shattering.

BALLAST

Integral high power factor electronic solid state Type-1 ballast housed in .11 low profile slim die cast enclosure. Enclosure features die cast construction, artistic finishing detail, secure locking to track, interchangeability with other fixtures, and on/off switch allowing individual fixture to be switched off without removing from track. Ballast provides automatic termination upon end of lamp life. i.e. "End of Life" protection.

| | | | |
|---------------------------|------------------------|-----|-----|
| Input Voltage: | 120V | | |
| Power Factor: | >95% | | |
| Sound Rating: | A | | |
| Frequency: | 170 Hz (square wave) | | |
| Min. Starting Temp.: | 5°F (-15°C) | | |
| Total Harmonic Distortion | <10% | | |
| Ballast Life Expectancy | 56,000 hours (at 75dC) | | |
| Input Power: | 39W | 50W | 70W |
| Input Watts | 44 | 55 | 78 |
| Operating Amps | .37 | .46 | .67 |



NTM-6630/35



NTM-6617/70

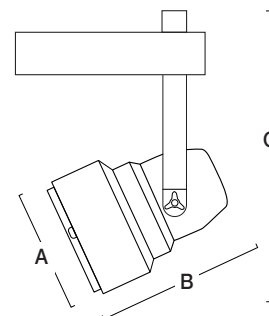
PRODUCT MATRIX

| | | |
|-------------|-------|-------------------------|
| NTM-6617/50 | B,W,S | CDM50/ED17 CMH Shroud |
| NTM-6617/70 | B,W,S | CDM70/ED17 CMH Shroud |
| NTM-6630/35 | B,W,S | CDM39/PAR30L CMH Shroud |
| NTM-6630/70 | B,W,S | CDM70/PAR30L CMH Shroud |
| NTM-6638/70 | B,W,S | CDM70/PAR38 CMH Shroud |

DIMENSIONS

NTM - 6617, 6630, 6638

| | | |
|------------------|---------|----------|
| A: Diameter | 5-3/4" | (146 mm) |
| B: Length | 7-1/4" | (184 mm) |
| C: Max Extension | 11-1/4" | (29 cm) |



SOCKET

4KV 660VA/600V Porcelain jacketed aluminum screw thread medium-base socket.

WIRING

Teflon coated wire lead connects socket and housing to electrical contact head. Teflon coating is durable and resists heat degradation from lamp and housing radiation.

CONTACT HEAD ASSEMBLY

Three .030 stainless steel contacts mounted in high heat rated plastic housing.

ONE/TWO CIRCUIT CONVERSION

Neutral contact (opposite positive and ground contacts) is preset to "down" position at factory, but may be raised to the higher position to install onto the second circuit of Nora Lighting NT-2300 series two-circuit track.

FINISHES

Black, white, or silver powder coat finish available for all fixtures. Custom painting or anodizing for special applications is also available. Custom finishes will

require lead times that vary depending on vendor schedules. Please consult factory for quotation, and provide either a Dunn Edwards number or color chip for exact matching.

COMPATIBILITY

Nora track fixtures are interchangeable with Halo, Catalina, Hampton Bay, Halo-Edison, or any other brands configured to Halo track system design. Note: fixtures may not be compatible with non-Nora transformers or monopoint adapters.

UL LISTED

UL Listed as track lighting fitting

ACCESSORIES

| | |
|-------------------------------------|---------------------------|
| Custom Finishes | Consult Factory |
| Accessory Holder | NT-346 |
| Louwer* | NT-343 |
| Barn Door Assembly/Accessory Holder | NT-340 |
| Filter* | 5-9/16" (by others) |

* Requires use of either NT-346 Accessory Holder or NT-340 Barn Door Assembly/Accessory Holder

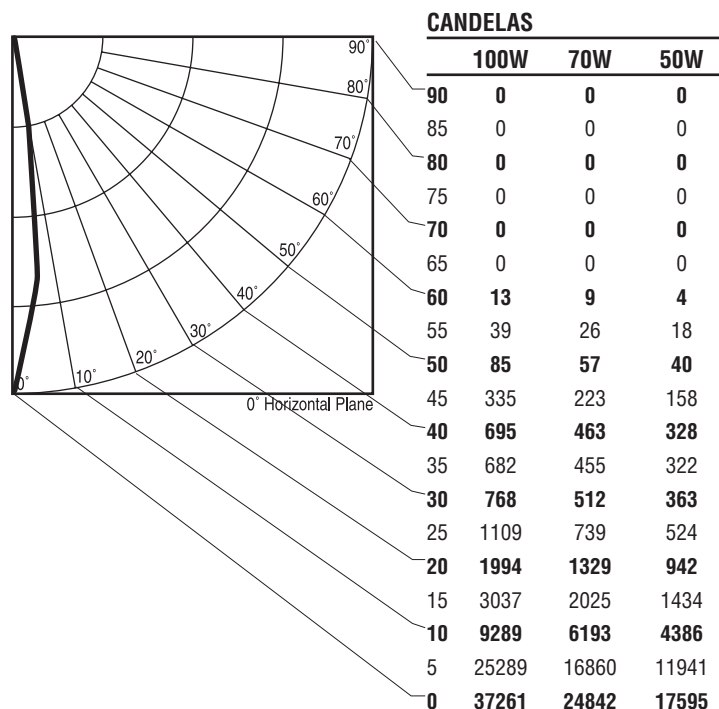
NTM-6617 NTM-6630 NTM-6638 Ceramic Metal Halide (CMH) Shroud



Lab: LM-63-1995 Test No. LRL 901-213 (.6667 Multiplier for 70W; .4722 for 50W results) Spacing Criteria: .3 Efficiency: 49.5%

Beam Angle: 14 Field Angle: 28

| LAMPS | 100W | 70W | 50W |
|--------------|------------------|-----------------|--------------|
| Lamp: | MCP100/U/MED/830 | MCP70/U/MED/830 | MHC50/U/M/3K |
| Total Watts: | 110 | 77 | 55 |
| Lumens: | 9000 | 6000 | 4250 |



| LUMINANCE VALUES | 100W | | 70W | | 50W | |
|------------------|---------------|----------------|---------------|----------------|---------------|----------------|
| | Average 0-Deg | Average 90-Deg | Average 0-Deg | Average 90-Deg | Average 0-Deg | Average 90-Deg |
| 45 | 30656 | 30656 | 20407 | 20407 | 14475 | 14475 |
| 55 | 4400 | 4400 | 2933 | 2933 | 2077 | 2077 |
| 65 | 0 | 0 | 0 | 0 | 0 | 0 |
| 75 | 0 | 0 | 0 | 0 | 0 | 0 |
| 85 | 0 | 0 | 0 | 0 | 0 | 0 |

COEFFICIENTS OF UTILIZATION*

| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | | | | 0 |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| 0 | 59 | 59 | 59 | 59 | 58 | 58 | 58 | 58 | 55 | 55 | 55 | 53 | 53 | 53 | 51 | 51 | 51 | 49 | 49 | 49 | 49 |
| 1 | 57 | 56 | 55 | 54 | 56 | 55 | 54 | 53 | 53 | 52 | 51 | 51 | 50 | 50 | 49 | 49 | 48 | 48 | 48 | 48 | 48 |
| 2 | 55 | 53 | 51 | 50 | 54 | 52 | 51 | 50 | 51 | 49 | 48 | 49 | 48 | 47 | 48 | 47 | 46 | 46 | 46 | 46 | 46 |
| 3 | 53 | 50 | 49 | 47 | 52 | 50 | 48 | 47 | 49 | 47 | 46 | 47 | 46 | 45 | 46 | 45 | 45 | 45 | 45 | 45 | 44 |
| 4 | 51 | 48 | 46 | 45 | 50 | 48 | 46 | 44 | 47 | 45 | 44 | 46 | 45 | 43 | 45 | 44 | 43 | 43 | 43 | 43 | 42 |
| 5 | 49 | 46 | 44 | 43 | 49 | 46 | 44 | 42 | 45 | 43 | 42 | 44 | 43 | 42 | 44 | 42 | 41 | 41 | 41 | 41 | 41 |
| 6 | 48 | 45 | 43 | 41 | 47 | 44 | 42 | 41 | 44 | 42 | 41 | 43 | 41 | 40 | 42 | 41 | 40 | 40 | 40 | 40 | 39 |
| 7 | 47 | 43 | 41 | 39 | 46 | 43 | 41 | 39 | 42 | 41 | 39 | 42 | 40 | 39 | 41 | 40 | 39 | 39 | 39 | 39 | 38 |
| 8 | 45 | 42 | 40 | 38 | 45 | 42 | 40 | 38 | 41 | 39 | 38 | 41 | 39 | 38 | 40 | 39 | 38 | 38 | 38 | 38 | 37 |
| 9 | 44 | 41 | 38 | 37 | 44 | 40 | 38 | 37 | 40 | 38 | 37 | 40 | 38 | 37 | 39 | 38 | 37 | 37 | 37 | 37 | 36 |
| 10 | 43 | 39 | 37 | 36 | 42 | 39 | 37 | 36 | 39 | 37 | 36 | 38 | 37 | 36 | 38 | 37 | 36 | 36 | 36 | 36 | 35 |

* Effective Floor Cavity Reflectance = 20%

BEAM & CONE DATA

Beam Angle: 14°

| Mounting Height | 100W | | | | 70W | | | | 50W | | | |
|-----------------|-----------------|-----------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|
| | Maximum Spacing | Circle Diameter | F.C. at Center | F.C. at Edge | F.C. at Center | F.C. at Edge | F.C. at Center | F.C. at Edge | F.C. at Center | F.C. at Edge | F.C. at Center | F.C. at Edge |
| 4 | 1.0 | 2.0 | 2357.1 | 33.7 | 1571.5 | 22.5 | 1113.0 | 15.9 | | | | |
| 6 | 1.6 | 3.2 | 1000.1 | 12.6 | 666.8 | 8.4 | 472.2 | 5.9 | | | | |
| 8 | 2.1 | 4.2 | 524.6 | 7.1 | 349.8 | 4.7 | 247.7 | 3.4 | | | | |
| 10 | 2.8 | 5.6 | 322.3 | 4.3 | 214.9 | 2.9 | 152.2 | 2.0 | | | | |
| 12 | 3.4 | 6.8 | 218.1 | 2.8 | 145.4 | 1.9 | 103.0 | 1.3 | | | | |