



**Tribute**  
Area Luminaire

# TR TRIBUTE

## AREA LUMINAIRE

### THE RIGHT CHOICE

From the parking lot to the highway, Tribute is the ideal lighting solution for area and roadway applications. Tribute's rugged die-cast construction and classic form provide enduring performance and universal appeal. Coupled with contractor-friendly features such as toolless entry and an optional electrical power tray, Tribute is a breeze to install and maintain.

### OPTIMAL PERFORMANCE

Tribute is available with nine (9) uniquely shaped optical distributions, each classifying as dark sky friendly IESNA full cutoff. Whether selecting a high efficiency hydroformed optic or a premium 95% reflective segmented reflector, Tribute's optical versatility provides custom tailored lighting solutions for exacting site requirements. Tribute also features Cooper's-exclusive SLE Spill Light Eliminator optic which provides outstanding cutoff behind the pole and maximum street-side reach.

### MOUNTING VERSATILITY

Tribute is offered in five (5) distinct mounting configurations, providing unrivaled versatility in mounting. Choose from arm mount, mast arm or wall mount for horizontal fixture attachment, or trunnion or slipfitter mount for vertical tilt adjustment.



TOOLLESS ENTRY



SLE SPILL LIGHT ELIMINATOR



WALL MOUNT



# SPECIFICATION FEATURES

## CONSTRUCTION

Rugged one-piece die-cast aluminum housing and door frame. One-piece silicone gasket protects the optical chamber from performance degrading contaminants. One (1) stainless spring latch and two (2) stainless steel hinges allow toolless opening and removal of door frame.

## REFLECTOR

Choice of nine (9) high efficiency optical distributions, including five (5) segmented optical systems constructed of premium 95% reflective anodized aluminum sheet. Optical segments are rigidly mounted inside a thick gauge aluminum housing for superior protection. All segment faces are clean of rivet heads, tabs or other means of attachment which may cause streaking in the light distribution. Optical modules are field rotatable in 90° increments and offered standard with mogul-base lampholders for 150-400W assemblies or medium-base lampholders for 100W and below.

## ELECTRICAL

Ballast and related electrical componentry are hard mounted to die-cast housing for optimal heat transfer and operating efficiency. Optional swing-down galvanized steel power tray with integral handle and quick disconnects allows tray to be completely removed from housing providing ample room for fixture installation and maintenance.

## MOUNTING

Extruded 8" aluminum arm features internal bolt guides for easy positioning of fixture during installation to pole or wall surface. Standard single carton packaging of housing, square pole arm and round pole adapter allow for consolidated product arrival to site. Optional internal mast arm mount accepts a 1 1/4" to 2 3/8" O.D. horizontal tenon, while 4-bolt clamping mechanism secures fixture. Cast-in leveling guides provide  $\pm 5^\circ$  vertical leveling adjustment.

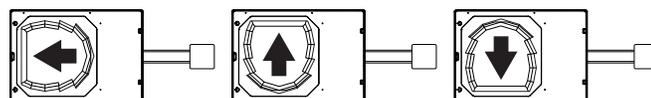
## FINISH

Housing and arm finished in a 5 stage premium TGIC bronze polyester powder coat paint. Optional colors include black, grey, white, dark platinum and graphite metallic. RAL and custom color matches available.



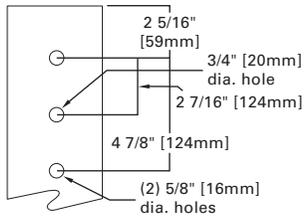
## ROTATIONAL FLEXIBILITY

Optical assemblies can be rotated in 90° increments, allowing for manipulation of distribution orientation independent of fixture orientation.

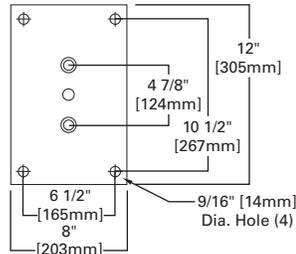


## DRILLING PATTERNS

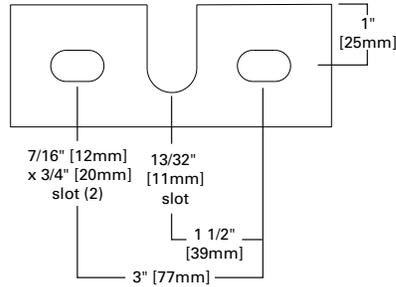
### Type "M"



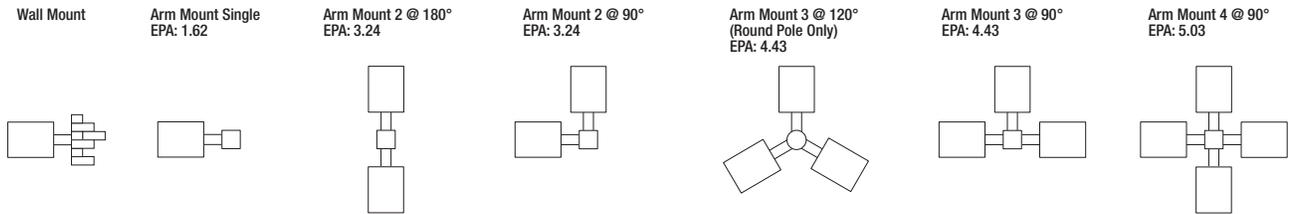
### Wall Mount



### Trunnion Mount



## MOUNTING CONFIGURATIONS



## OPTIONS + ACCESSORIES [Order Separately]



### ELECTRICAL POWER TRAY [PT]

Electrical componentry mounted to an optional swing-down galvanized steel power tray with integral handle. Electrical disconnects allow tray to be completely removed from housing providing ample hand and tool room during fixture maintenance and installation.



### EXTERNAL HOUSE SIDE SHIELD [MA1221]

External house side shield designed to provide sharp cutoff behind pole while shielding the lamp from direct view. Mounted to the door via four (4) stainless steel fasteners, the MA1221 external house side shield provides industry leading glare and spill light control.



### VANDAL SHIELD [TR/VS]

Door mounted 3/16" thick polycarbonate shield prevents lens damage from particulates and projectiles. Treated with a UV inhibitor to discourage the gradual discoloration that results from exposure to UV emitting sources.



### PREMIUM SEGMENTED OPTICS

Five (5) optional high efficiency segmented optical systems constructed of premium 95% reflective anodized aluminum sheet. Optical segments are rigidly mounted inside a thick gauge aluminum housing for superior protection. All segment faces are clean of rivet heads, tabs or other means of attachment which may cause streaking in the light distribution.



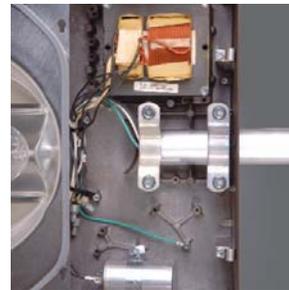
### QUARTZ RESTRIKE [Q, EM, EM/SC]

Optional quartz restrrike [Q] energizes auxiliary quartz lamp upon power reactivation and extinguishes once HID lamp re-ignites. Quartz restrrike with time delay [EM] adds cold start activation. Emergency Separate Circuit [EM/SC] allows the quartz lamp socket to be wired to an independent relay controlled power source.



### NEMA TWISTLOCK PHOTOCONTROL RECEPTACLE [PER]

Gasketed photocontrol receptacle for mounting a standard NEMA photocontrol (order separately). Button-style photocontrol [PC] also available.



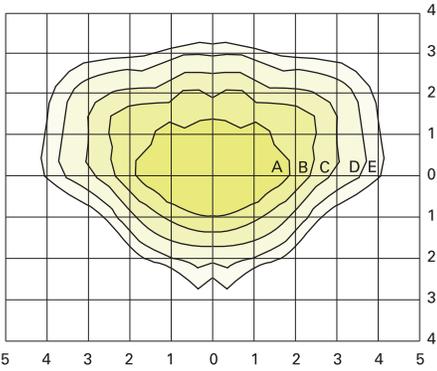
### INTERNAL MAST ARM MOUNT [S]

Optional internal mast arm mount accepts a 1 1/4" to 2 3/8" O.D. horizontal tenon while 4-bolt clamping mechanism secures fixture. Cast-in leveling guides provide ±5° vertical leveling adjustment.

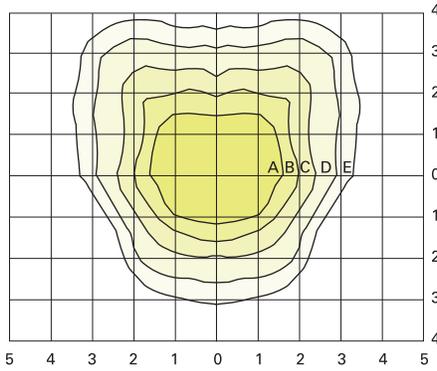


### ADJUSTABLE SLIPFITTER [OA1090]

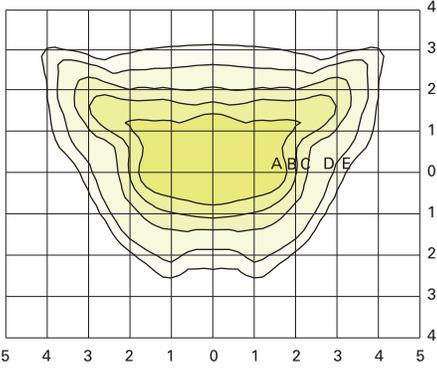
Optional knuckle mount with internal wireway enables vertical tilt adjustment. Knuckle slip fits over vertical 2 3/8" O.D tenon and is secured by two (2) 1/2" bolts.



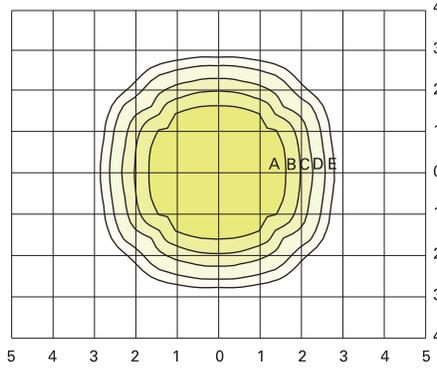
**MHTR-3S-400**  
400-Watt MH  
40,000-Lumen Clear Lamp  
Type III Segmented



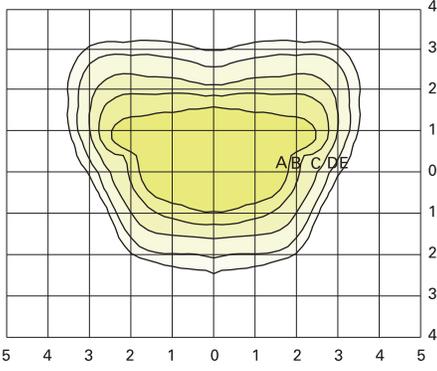
**MHTR-4S-400**  
400-Watt MH  
40,000-Lumen Clear Lamp  
Type IV Segmented



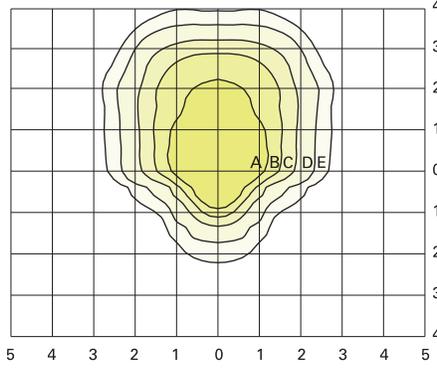
**MHTR-3F-400**  
400-Watt MH  
40,000-Lumen Clear Lamp  
Type III Formed



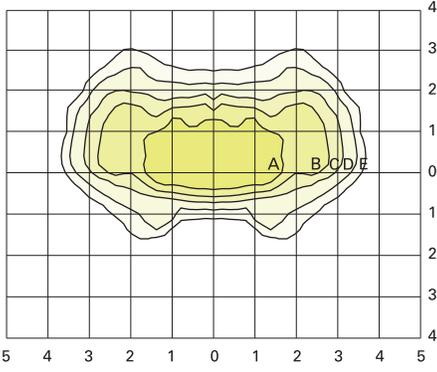
**MHTR-5F-400**  
400-Watt MH  
40,000-Lumen Clear Lamp  
Type V Formed



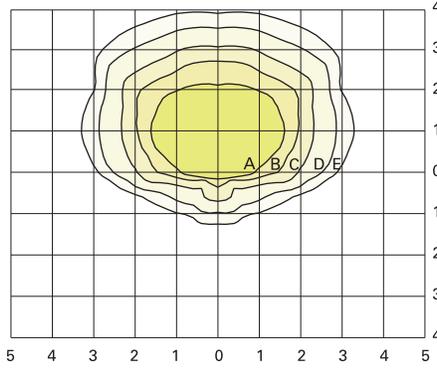
**HPTR-3F-400**  
400-Watt HPS  
50,000-Lumen Clear Lamp  
Type III Formed



**HPTR-4F-400**  
400-Watt HPS  
50,000-Lumen Clear Lamp  
Type IV Formed



**MHTR-3S-400-HS**  
400-Watt MH  
40,000-Lumen Clear Lamp  
Type III Segmented w/ House Side Shield



**MHTR-SL-400**  
400-Watt MH  
40,000-Lumen Clear Lamp  
SLE-Spill Light Eliminator

**FOOTCANDLE TABLE**

Select mounting height and read across for footcandle values of each isofootcandle line. Distance in units of mounting height.

Mounting Height	Footcandle Values for Isofootcandle Lines				
	A	B	C	D	E
<b>MHTR-3S-400 / MHTR-4S-400</b>					
20'	3.00	1.50	0.75	0.30	0.15
<b>25'</b>	<b>2.00</b>	<b>1.00</b>	<b>0.50</b>	<b>0.20</b>	<b>0.10</b>
30'	1.38	0.69	0.34	0.13	0.06

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<b>MHTR-3F-400 / MHTR-5F-400</b>					
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Mounting Height	Footcandle Values for Isofootcandle Lines				
	A	B	C	D	E
<b>HPTR-3F-400 / HPTR-4F-400</b>					
20'	3.00	1.50	0.75	0.30	0.15
<b>25'</b>	<b>2.00</b>	<b>1.00</b>	<b>0.50</b>	<b>0.20</b>	<b>0.10</b>
30'	1.38	0.69	0.34	0.13	0.06

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Mounting Height	Footcandle Values for Isofootcandle Lines				
	A	B	C	D	E
<b>MHTR-3S-400-HS / MHTR-SL-400</b>					
20'	3.00	1.50	0.75	0.30	0.15
<b>25'</b>	<b>2.00</b>	<b>1.00</b>	<b>0.50</b>	<b>0.20</b>	<b>0.10</b>
30'	1.38	0.69	0.34	0.13	0.06

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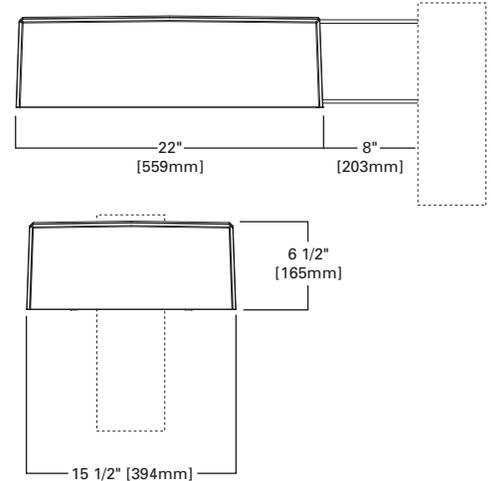
70-400W MH/MP/HPS

AREA LUMINAIRE



LUMARK

IP55 RATING



## CONSTRUCTION

Rugged one-piece die-cast aluminum housing and door frame. One-piece silicone gasket protects the optical chamber from performance degrading contaminants. One (1) stainless spring latch and two (2) stainless steel hinges allow toolless opening and removal of door frame.

## REFLECTOR

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## ELECTRICAL

Ballast and related electrical componentry are hard mounted to die-cast housing for optimal heat transfer and operating efficiency. Optional swing-down galvanized steel power tray with integral handle and quick disconnect allows tray to be completely removed from housing providing ample room for fixture installation and maintenance.

## MOUNTING

Extruded 8" aluminum arm features internal bolt guides for easy positioning of fixture during installation to pole or wall surface. Standard single carton packaging of housing, square pole arm and round pole adapter allow for consolidated product arrival to site. Optional internal mast arm mount accepts a 1 1/4" to 2 3/8" O.D. horizontal tenon, while 4-bolt clamping mechanism secures fixture. Cast-in leveling guides provide ±5° vertical leveling adjustment.

## FINISH

Housing and arm finished in a 5 stage premium TGIC bronze polyester powder coat paint. Optional colors include black, grey, white, dark platinum and graphite metallic. RAL and custom color matches available.

## EPA

Effective Projected Area (Sq Ft): 1.19 (Without Arm)

## SHIPPING DATA

Approximate Net Weight: 39 lbs (17.73 kgs)

## ORDERING INFORMATION

SAMPLE NUMBER: MHTR-SL-400-MT-LL

LAMP TYPE	SERIES <sup>1</sup>	DISTRIBUTION	LAMP WATTAGE <sup>2</sup>	VOLTAGE <sup>5</sup>	OPTIONS + ACCESSORIES
MH=Metal Halide	TR=Tribute (Arm Included)	2F=Type II Formed	70=70W	120V	(See Below)
MP=Pulse Start Metal Halide		2S=Type II Segmented	100=100W	208V	
HP=High Pressure Sodium		3F=Type III Formed	150=150W	240V	
		3S=Type III Segmented	175=175W	277V	
		4F=Type IV Formed	250=250W	347V	
		4S=Type IV Segmented	320=320W <sup>3</sup>	480V	
		5F=Type V Formed	400=400W <sup>4</sup>	DT=Dual-Tap Wired 277V <sup>6</sup>	
		5S=Type V Segmented		MT=Multi-Tap Wired 277V <sup>6</sup>	
		SL=Spill Light Eliminator		TT=Triple-Tap Wired 347V <sup>6</sup>	
				5T=5-Tap Wired 480V <sup>6</sup>	

## OPTIONS + ACCESSORIES [Must be listed in the order shown and separated by a dash]

### OPTIONS (add as suffix)<sup>7</sup>

- F1=Single Fuse (120, 277 or 347V)<sup>8</sup>
- F2=Double Fuse (208, 240 or 480V)<sup>8</sup>
- Q=Quartz Restrike (Hot Strike Only)<sup>9</sup>
- EM=Quartz Restrike with Time Delay<sup>9</sup>
- EM/SC=Emergency Separate Circuit<sup>9</sup>
- LL=Lamp Included
- S=1 1/4"-2 3/8" Internal Mast Arm Mount
- TM=Trunnion Mount
- PT=Electrical Power Tray
- PER=NEMA Twistlock Photocontrol Receptacle
- PC=Button Type Photocontrol
- HS=House Side Shield<sup>10</sup>
- LA=Less Arm  
(Order Mounting Separately)
- WH=White
- BK=Black
- AP=Grey
- DP=Dark Platinum
- GM=Graphite Metallic

### ACCESSORIES (order separately/replace XX with color designation)

- MA1201-XX=Direct Wall Mount Kit<sup>1</sup>
- MA1216-XX=8" Tribute Arm [EPA=0.43]<sup>1</sup>  
(Includes Round Pole Adapter)
- MA1218-XX=Direct Mount for Pole<sup>1</sup>
- MA1219-XX=Wall Bracket with 8" Arm<sup>1</sup>
- OA1090-XX=Adjustable Slipfitter Arm for Tenon Mount  
2 3/8" O.D.<sup>1</sup>
- TR/VS=Field Installed Vandal Shield<sup>11</sup>
- MA1221-XX=External House Side Shield Kit [EPA=0.38]
- MA1222=Internal House Side Shield Kit for 2S/3S
- MA1223=Internal House Side Shield Kit for 4S
- MA1224=Internal House Side Shield Kit for 2F/3F
- MA1225=Internal House Side Shield Kit for 4F
- OA/RA1016=Photoelectric Control 105-285V NEMA Type
- OA/RA1027=Photoelectric Control 480V NEMA Type
- OA/RA1201=Photoelectric Control 347V NEMA Type
- OA/RA1013=Shorting Cap
- MA1010-XX=Single Tenon Adapter for 3 1/2" O.D. Tenon
- MA1011-XX=2 @ 180° Tenon Adapter for 3 1/2" O.D. Tenon
- MA1012-XX=3 @ 120° Tenon Adapter for 3 1/2" O.D. Tenon

- MA1013-XX=4 @ 90° Tenon Adapter for 3 1/2" O.D. Tenon
- MA1014-XX=2 @ 90° Tenon Adapter for 3 1/2" O.D. Tenon
- MA1015-XX=2 @ 120° Tenon Adapter for 3 1/2" O.D. Tenon
- MA1016-XX=3 @ 90° Tenon Adapter for 3 1/2" O.D. Tenon
- MA1017-XX=Single Tenon Adapter for 2 3/8" O.D. Tenon
- MA1018-XX=2 @ 180° Tenon Adapter for 2 3/8" O.D. Tenon
- MA1019-XX=3 @ 120° Tenon Adapter for 2 3/8" O.D. Tenon
- MA1045-XX=4 @ 90° Tenon Adapter for 2 3/8" O.D. Tenon
- MA1048-XX=2 @ 90° Tenon Adapter for 2 3/8" O.D. Tenon
- MA1049-XX=3 @ 90° Tenon Adapter for 2 3/8" O.D. Tenon

LAMP TYPE	WATTAGE
Metal Halide	70, 100, 175, 250, 400W
High Pressure Sodium	70, 100, 150, 250, 400W
Pulse Start Metal Halide	250, 320W

NOTES: 1 8" arm and round pole adapter included with fixture. Specify Less Arm "LA" option when mounting accessory is ordered separately. 2 Standard with mogul-base socket for 150-400W and medium-base socket 100W and below. 3 320W Pulse Start Metal Halide lamps only. 4 Requires reduces envelope lamp. 5 Products also available in non-US voltages for international markets. Consult factory for availability and ordering information. 6 Dual-Tap is 120/277V wired 277V. Multi-Tap is 120/208/240/277V wired 277V. Triple-Tap is 120/277/347V wired 347V. 5-Tap is 120/208/240/277/480V wired 480V. 7 Custom and RAL color matching available upon request. Consult Cooper Lighting Representative for further information. 8 Must specify voltage. 9 Quartz options not available with SL optic. 10 House side shield not available on 5S, 5F or SL optics. 11 Not available with SLE or House Side Shield. 12 Specifications and dimensions subject to change without notice.

## STOCK SAMPLE NUMBER [Lamp Included]

SAMPLE NUMBER: MHTR2340

LAMP TYPE	SERIES <sup>1</sup>	DISTRIBUTION	LAMP WATTAGE
MH=Metal Halide	TR=Tribute	23=Type II/III Formed	15=150W
HP=High Pressure Sodium			17=175W
			25=250W
			40=400W

NOTES: 1 Short logic fixtures include multi-tap ballast, lamp, and arm (including round pole adapter). Other options not available. Refer to standard ordering logic.

**Cooper Lighting**

Customer First Center  
1121 Highway 74 South  
Peachtree City, GA 30269

P: 770-486-4800  
F: 770-486-4801

[www.cooperlighting.com](http://www.cooperlighting.com)

**International Sales, USA**

Cooper Lighting  
1121 Highway 74 South  
Peachtree City, GA 30269

P: 770-486-4800  
F: 770-486-4801

**Canada**

Cooper Lighting  
5925 McLaughlin Road  
Mississauga, Ontario L5R 1B8

P: 905-507-4000  
F: 905-568-7049

**The Cooper Lighting Family**

Halo  
Metalux  
Lumark  
Sure-Lites  
Neo-Ray  
Corelite  
Portfolio  
Iris  
Shaper  
io  
Lumière  
Invue  
McGraw-Edison  
Streetworks  
Fail-Safe  
MWS  
DLS  
RSA  
Ametrix

**Domestic Facilities**

Cranbury, New Jersey  
Elk Grove Village, Illinois  
Irving, Texas  
Ontario, California  
Peachtree City, Georgia

**Canadian Facilities**

Calgary, Alberta T2E 7V9  
Chomedey, Laval P.Q.

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