

## FEATURES & SPECIFICATIONS

### INTENDED USE

Use in high-mounting heights that require high efficiencies and horizontal illumination. Ideal for general manufacturing areas, storage areas and warehouse aisles where color is critical.

### CONSTRUCTION

Housing – Heavy-duty, die-cast aluminum halves. Ballast and electrical components are heat-sunked and horizontally opposed. Integral splice box mounting flange ensures structural integrity.

### FINISH

Housing – Electrostatically applied white polyester powder paint.

### OPTICAL SYSTEM

High-efficiency, anodized, spun aluminum reflector features, exclusive contoured design that minimizes color shift. Self-cleaning ventilated design carries contaminants out of the top of the reflector.

### ELECTRICAL SYSTEM

Ballast – Copper wound and 100% factory tested. High power factor constant-wattage autotransformer. 70W-150W high pressure sodium have high power factor reactance ballast. Encased and potted solid-state igniters. 180°C Class H insulation system. Meets ANSI C82 ballast standards. (For 50-hertz availability, consult factory.)

Socket – Glazed porcelain, vertically oriented, mogul base socket with copper alloy, nickel-plated screws, shell and center contact. Protected pink exclusionary socket for Type-O open rated lamps. Non protected socket for Type-S suitable rated lamps. UL listed 1500W, 600V and 4KV pulse rated.

### INSTALLATION

Pendant Splice Box – Removable cast-aluminum box slides on integral die-cast aluminum housing mounting flange and mounts to 3/4" pendant conduit prior to ballast housing installation. Matching wire access cover accepts Reloc modular wiring. Complete assembly meets or exceeds UL 50-pound pull test.

Optic Mounting – Reflector mounting brackets are progressively die-formed of 18-gauge galvanized steel.

### LISTINGS

UL Listed -30°C to 55°C ambient operations & damp locations. High ambient (HA option) of 65°C available. UL Listed to US and Canadian safety standards (see Options). NOM Certified (See Options).

## ORDERING INFORMATION

Choose the boldface catalog nomenclature that best suits your needs and write it on the appropriate line. Order accessories as separate catalog numbers (shipped separately).

TH	A15				
<b>Series</b>	<b>Reflector</b>	<b>Voltage</b>	<b>Ballast<sup>6</sup></b>	<b>Options</b>	
TH	A15	120	(blank) Standard magnetic ballast	<u>Shipped installed in fixture</u>	
		208 <sup>1,2</sup>	CWI Constant wattage isolated	<b>SF</b> Single fuse (120, 277, 347V) <sup>8</sup>	<b>LUCP</b> Loop, cord, plug for UPM <sup>13</sup>
		240 <sup>2,3</sup>	MRB Magnetic regulator ballast	<b>DF</b> Double fuse (208, 240, 480V) <sup>8</sup>	<b>LUCPSF</b> Single-fuse LUCP, dead front <sup>8</sup>
		277	LLCWA Low loss CWA	<b>EC</b> Emergency circuit <sup>9,10</sup>	<b>LUCPDF</b> Double-fuse LUCP, dead front <sup>8</sup>
		347	LLRPSL Low loss reactor ballast <sup>7</sup>	<b>QRS</b> Quartz restrike system <sup>9,10</sup>	<b>UCP</b> Universal cord, plug for UPM <sup>8,13</sup>
		480 <sup>1,2</sup>	SCWA Super constant wattage autotransformer	<b>QRSTD</b> QRS time delay <sup>9,10</sup>	<b>UCPSF</b> Single-fuse UCP, dead front <sup>8</sup>
		TB <sup>4</sup>	RLB Regulated lag ballast	<b>HA</b> 65°C ambient operation	<b>UCPDF</b> Double-fuse UCP, dead front <sup>8</sup>
		TB <sup>5</sup>	SCWI Isolated SCWA	<b>CR</b> Corrosion-resistant finish	<b>TR</b> Remote ballast <sup>6</sup>
		TB <sup>6</sup>		<b>TOB</b> Through-wire outlet box	<b>RC3NP</b> TR with prewired 3' cord <sup>9</sup>
				<b>TOBP</b> Through-wire outlet box plug-in <sup>8</sup>	<b>ENC</b> Encapsulated CWA ballast (120, 277, 347V)
				<b>PBP</b> Pendant box plug-in <sup>8</sup>	<b>KW1</b> KiloWatch 120V control relay <sup>6</sup>
				<b>LCPP</b> Loop, cord, plug requires TPH, PPH <sup>8</sup>	<b>KW4</b> KiloWatch 277V control relay <sup>6</sup>
				<b>LC3P</b> Loop, 3' cord, 15A NEMA twistlock plug <sup>8,11,12</sup>	<b>KW150</b> KiloWatch 120V control relay-50% light output <sup>6</sup>
				<b>HC3P</b> Hook, 3' cord, 15A NEMA twistlock plug <sup>8,11,12</sup>	<b>KW450</b> KiloWatch 277V control relay-50% light output <sup>6</sup>
				<b>LOCS</b> Loop, 5' white cord, Reloc OCS <sup>8,13,14</sup>	<b>KW1S</b> KiloWatch II with integral sensor
				<b>HOCs</b> Hook, 5' white cord, Reloc OCS <sup>8,13,14</sup>	<b>WG</b> Wire guard
				<b>LOCU</b> Loop, 5' white cord, Reloc OCU <sup>6,8,11,12,13,14,15</sup>	<b>CSA</b> Listed and labeled to comply with Canadian Standards
				<b>HOCU</b> Hook, 5' white cord, Reloc OCU <sup>6,8,11,12,13,14,15</sup>	<b>NOM</b> NOM Certified
<b>Wattage/lamp</b>					
<u>High pressure sodium</u>					
70S	150S	250S			
100S	200S	450S			
<u>Metal halide protected</u>					
175MP	250MP	400MP			
200MP	320MP	450MP			
	350MP				
<u>Metal halide</u>					
400M					
<b>Accessories</b>					
Order as separate catalog item.					
<b>HKF</b> Fixture hook female					
<b>LPF</b> Fixture loop female					
<b>SCK</b> 60" safety chain kit					
<b>TMB</b> Twin-mounting bar (consult factory)					
<b>HKM</b> Fixture hook male					
<b>HKMG</b> Grommated fixture hook male					
<b>LPM</b> Fixture loop male					
<b>LPMG</b> Grommated fixture loop male					
<b>TPH</b> Through-wire power hook					
<b>PPH</b> Pendant power hook					
<b>UPM</b> Universal power module					
<b>UPM1</b> UPM with hook adapter plate, wiring block					
<b>WGA15</b> Wireguard					

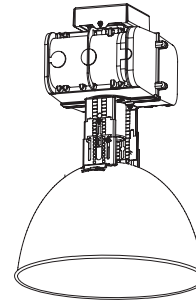
#### NOTES:

- Requires CWI or RLB option in Canada for MH. Available for 175-450W.
- Requires CWI or MRB option in Canada for HPS. Available for 70-400W.
- 220V and 240V 50Hz and 60Hz ballasts available for use with U.S. MH and HPS lamps.
- Optional multi-tap ballast (120, 208, 240, 277V; 120, 277,347V for Canada). For voltage specific options specify tap position (TB1=120V, TB2=208V, TB3=240V, TB4=277V).
- Optional 5-tap ballast. (120, 208, 240, 277 and 480V) Not available in Canada. For voltage specific options specify tap position (TBV1=120V, TBV2=208V, TBV3=240V, TBV4=277V, TBV6=480V). Available for 250 and 400W MH (CWA) only.
- For specific ordering information, see Product Selection Guide.
- Not available with QRS or QRSTD option. Must utilize CWA ballast for this option. Available with 277V only.
- Not available with multi-tap ballast.
- Lamp not included.
- Quartz lamp wattage not to exceed ballast wattage rating.
- 20A standard 480V.
- Specify circuit/tap position.
- In Canada, 120/347V only.
- May be ordered with 10', 15' and 20' cords. For black cord, specify BK (i.e. HOCsBK).
- When using Reloc with KiloWatch, LOCu or HOCu option must be used with E or F conductors. Consult factory for 208, 240, 480V.

Catalog Number	
Notes	Type

## Open High Bay Industrial Lighting

# TH A15



### ALUMINUM OPTICAL

### Metal Halide Protected Socket

175W - 450W

**Metal Halide**

400W

**High Pressure Sodium**

70W - 400W

18' to 30' mounting

### Specifications

Installed height: 19-1/2" (49.5 cm)

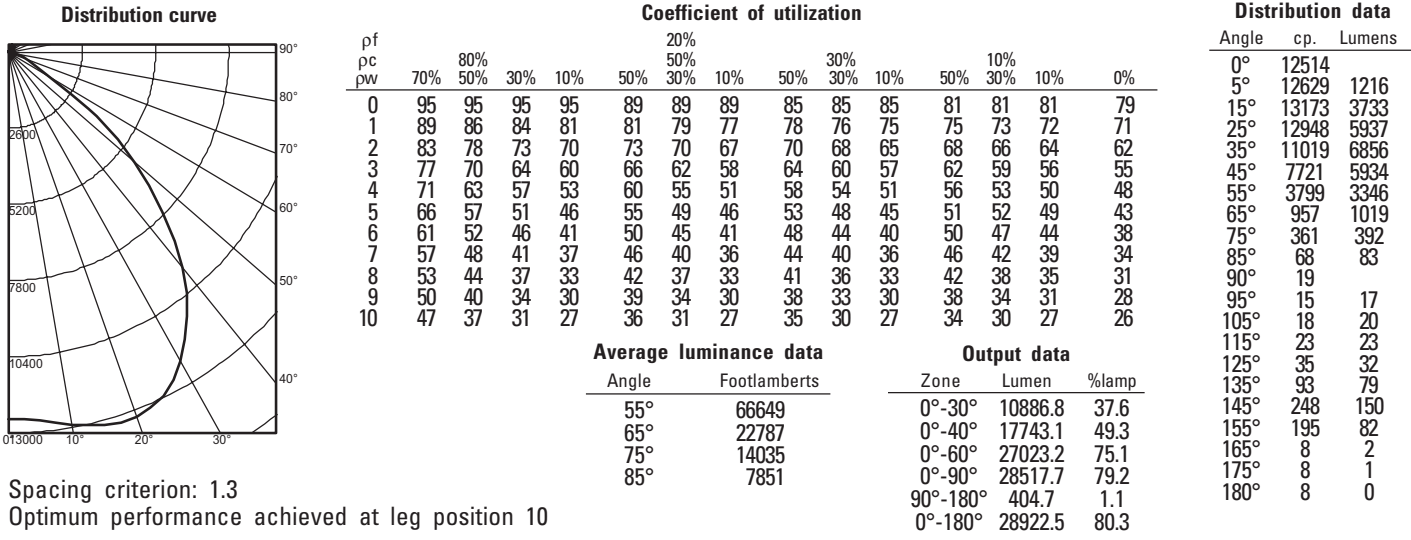
Installed width: 14-1/8" (35.9 cm)

Weight: 21 lbs/10 kg

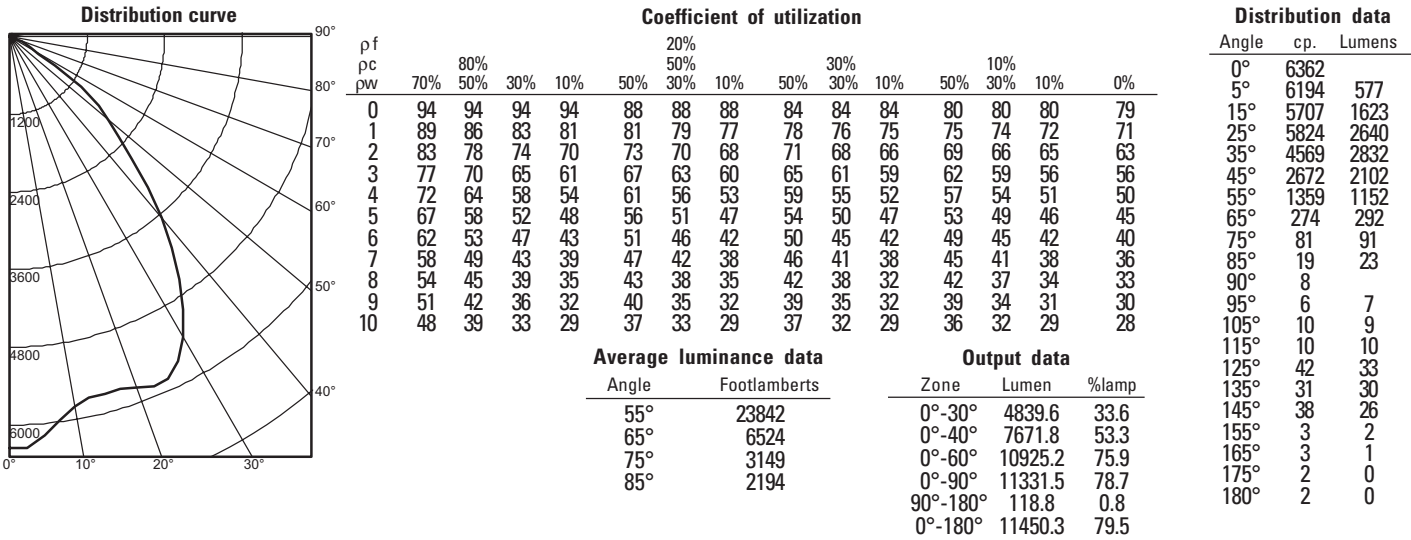
Example: TH 400M A15 120 SCWA

# TH A15 High Bay

TH 400M A15, leg position 10, 400W, clear metal halide lamp, 36,000 rated lumens. Test No. LTL 13747.



TH 400MP A15, leg position 2, 400W, clear metal halide lamp, 14,400 rated lumens. Test No. LTL 13793.



## Electrical Characteristics

Wattage/ballast	Primary voltage	Line current (amps) start/operating	Primary dropout voltage	Input watts	Power factor (%)	Regulation Line V = Lamp lumens
400 CWA Autoregulator	120	3.30/3.90	90	467	90+	±10% = ±10%
	208	1.80/2.25	156			
	240	1.50/1.95	180			
	277	1.30/1.70	208			
400 Magnetic Regulator	480	.75/1.00	360	490	90+	±10% = ±3%
	120	2.00/4.20	45			
	208	1.15/2.40	80			
	240	1.00/2.10	90			
	277	.85/1.80	105			
	480	.50/1.05	180			

Energy (Calculated in accordance with NEMA Standard LE-5)

ANNUAL LER.HID ENERGY	COST	LAMP DESCRIPTION	LAMP LUMENS	BALLAST FACTOR	WATTS
64.6	\$3.72	MH400U	36,000	1	458

Tested to current IES and NEMA standards under stabilized laboratory conditions. Various operating factors can cause differences between laboratory data and actual field measurements. Dimensions and specifications on this sheet are based on the most current available data and are subject to change without notice.



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