

## PRODUCT INFORMATION

# TH PA22

# TH PA25

Acrylume®



TH PA22

TH PA25

**Intended Use**

For high mounting heights that require higher efficiencies, general horizontal/high vertical illumination and premium contrast control. Ideal for light manufacturing areas, warehouses and retail aisles. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility tables on pages 794-795 for suitable uses.**

**Construction**

Housing: Heavy-duty, die-cast aluminum halves. Ballast and electrical components are heat-sunk and horizontally opposed for cooler operation. Integral splice box mounting flange ensures structural integrity. Electrostatically applied white polyester powder paint.

**Optics**

UV stabilized, high efficiency, high performance acrylic

reflector yields high vertical footcandles while maintaining low brightness. Optical assembly is fully adjustable and accommodates a range of light distributions. Self-cleaning, ventilated design carries contaminants out top of reflector. Coated lamps provide optimum performance.

PA22 and PA25: 20% uplight

PA22E: Enclosed, 15% uplight, clear tempered lens. Hinged and latched for easy maintenance.

PA22N: 18% uplight.

**Electrical**

Ballast: All ballasts are 100% factory tested. HPS: Constant wattage autotransformer. MH: 175-450W fixtures shipped within the U.S. require super CWA pulse start ballasts which are 88% efficient and EISA-legislation compliant (must specify SCWA option). CSA, NOM or INTL options required for

probe start shipments outside the U.S. 1000W is constant wattage autotransformer.

Socket: Vertically oriented mogul base protected exclusionary "PINK" socket with copper alloy, nickel-plated screw shell and center contact. For use with O-rated, protected metal halide lamps only.

**Installation**

Installation: Pendant splice box threaded for 3/4" conduit (standard). 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. Other mounting options available.

Optical mounting: Adjustable reflector mounting brackets are progressively die-formed of 18-gauge galvanized steel. For areas where reflectors are subject to impact (gymnasiums, etc.) **To protect reflector from breakage; use full wire guard (FWG) option for areas where reflectors are susceptible to impact.**

**Listings**

PA22, PA22N: UL Listed -30°C to 55°C ambient operations and damp locations.

PA22E, PA25: UL Listed -30°C to 40°C ambient operations and damp locations.

All are UL Listed to U.S. and Canadian safety standards. NOM Certified.



**Pulse Start**  
HID Ballast/Lamp Systems

**ORDERING INFORMATION**

For shortest lead times, configure products using **bolded options**.

Example: TH 400MP PA22 TB SCWA

Series	Lamp type <sup>8</sup>	Reflector <sup>8</sup>	Voltage	Ballast	Options	
TH	Protected metal halide	<b>450MP</b>	<b>PA22</b>	<b>TB<sup>7</sup></b>	Pulse start metal halide	For options and accessories, see pages 433-439.
	175MP	875MP	PA22N	120	For shipments to U.S. territories, SCWA must be specified to comply with EISA.	
	200MP	1000MP	PA22L <sup>1</sup>	208 <sup>3,4</sup>	<b>SCWA</b> Super constant wattage autotransformer	
	<b>250MP</b>	<u>High pressure sodium</u>	PA22E <sup>2</sup>	240 <sup>3,4,5</sup>	RLB Regulated lag ballast (175-400W)	
	320MP	250S	<b>PA25</b>	277	<u>Non EISA ballast</u>	
	350MP	400S		347	<b>(blank)</b> Standard magnetic ballast <sup>6,9</sup>	
	<b>400MP</b>	1000S		480 <sup>3,4</sup>	SCWI Isolated SCWA (400W) <sup>6,10</sup>	
				CWI Constant wattage isolated <sup>6,9</sup>		
				MRB Magnetic regulator ballast		

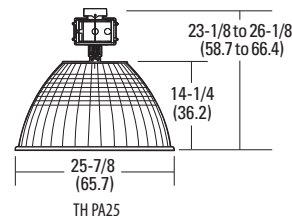
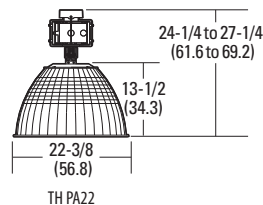
**ADDITIONAL INFORMATION**

For additional product information, visit [www.lithonia.com](http://www.lithonia.com).

**CONFIGURATIONS**

REFLECTOR	LAMP TYPE
PA22, PA22N, PA22E, PA22L	175MP, 200MP, 250MP, 320MP, 350MP, 400MP, 450MP, 250S, 400S
PA25	875MP, 1000MP, 1000S

Drawings are for dimensional detail only and may not represent actual mechanical configuration. Dimensions are shown in inches (centimeters) unless otherwise noted.

**Notes**

- Lensed bottom, open top. Periodic cleaning maintains performance. Does not meet UL lamp rupture containment.
- Enclosed bottom, open top. Meets UL lamp rupture containment standards. Periodic cleaning maintains performance.
- Requires CWI or RLB option in Canada for metal halide. Available in 175-400W.
- Requires CWI or MRB option in Canada for high pressure sodium. Available 70-400W.
- 220V and 240V, 50Hz and 60Hz ballasts available for use with U.S. protected metal halide lamps.
- Available for shipments outside of U.S. only.
- Optional multi-tap ballast (120V, 208V, 247V, 277V; 120V, 277V, 347V in Canada.)
- Specify lamp type and reflector; see Configurations table.
- 175-450W metal halide only.
- 400W metal halide only.