

Open Acrylic Optical

TH PA22 TH PA25

Acrylume®



Intended Use

For high mounting heights that require higher efficiencies, general horizontal/high vertical illumination and premium contrast control. Ideal for light manufacturing areas, warehouse and retail aisles. **Certain airborne contaminants can diminish integrity of acrylic. Refer to Acrylic Environmental Compatibility Chart on page 735 for suitable uses.**

Features

Housing – Rugged, heavy-duty, die-cast aluminum with white polyester powder finish. Electrical components horizontally opposed and heat-sunk to ballast housing for cooler operation.

Ballast – 100% factory tested. High power factor ballast with a minimum of class H insulation.

Optics – UV-stabilized, high-efficiency, high-performance acrylic reflector yields high vertical footcandles while maintaining low brightness. Optical assembly is fully adjustable & accommodates a range of light distributions, while provid-

ing approximately 15–20% uplight. Open optics are self cleaning – ventilated design carries contaminants out top of reflector. Enclosed optical utilizes clear, tempered-glass lens. Hinged and latched for easy maintenance. Coated lamps provide optimum performance.

Socket – Glazed porcelain, vertically-oriented, mogul-base socket with copper alloy, nickel-plated screw shell and center contact. Protected version with pink exclusionary socket. UL Listed 1500W, 600V, 4KV pulse rated.

Installation – Pendant splice box (PSB) threaded for 3/4" conduit (standard). Other mounting options available. **Protect reflector from breakage. Use full wire guard (FWG) option for areas where reflectors are susceptible to impact.**

Listings

UL Listed to U.S. and Canadian safety standards. NOM Certified. UL Listed for damp locations.

Ordering Information

| Series | Wattage | Optical |
|--------------|-------------------------------------|-----------------------|
| TH | High pressure sodium | |
| | 250S | PA16 |
| | 250S | PA22 or PA22N |
| | 250S | PA22L ² |
| | 400S | PA22 or PA22N |
| | 400S | PA22L ² |
| | 1000S | PA25 |
| | Metal halide protected ¹ | |
| | 200MP | PA22, PA22N or PA22SP |
| | 250MP | PA22, PA22N or PA22SP |
| | 320MP | PA22, PA22N or PA22SP |
| | 350MP | PA22, PA22N or PA22SP |
| | 400MP | PA22, PA22N or PA22SP |
| | 450MP | PA22, PA22N or PA22SP |
| | 875MP | PA25 |
| 1000MP | PA25 | |
| Metal halide | | |
| 175M | PA22E ³ | |
| 200M | PA22E ³ | |
| 250M | PA22E ³ | |
| 400M | PA22, PA22N or PA22SP | |
| 400M | PA22L ² | |
| 1000M | PA25 | |

| Voltage | Ballast | Options/ Accessories | |
|--|--|--|--|
| 120 | Metal halide and high pressure sodium (blank) Standard magnetic ballast CWI Constant wattage isolated MRB Magnetic regulator ballast Pulse start metal halide | See pages 386-397. HID lamps are available with luminaires. Consult factory. | |
| 208 ^{4,5} | | | |
| 240 ^{4,5,6} | | | |
| 277 | | | |
| 347 | | | |
| 480 ^{4,5} | | | |
| TB ⁷ | | | |
| TBV ⁸ | | | |
| Linear reactor pulse start | | | |
| SCWA Super constant wattage autotransformer | | | |
| LLSCWA Low loss SCWA | | | |
| RLB Regulated lag ballast (175-400W) | | | |
| SCWI Isolated SCWA (400W) | | | |
| See pages 384-385 for details. | | | |

- PA16 = Standard
- PA22N = Narrow
- PA22SP = Concentrated
- PA22E = Standard
- PA22L = Standard
- PA25 = Standard

- NOTES:
- See page 385 for details on protected sockets.
 - 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 for 175-450W only.
 - Requires CWI or MRB option in Canada for high pressure sodium. Available for 70-400W only.
 - 220V and 240V, 50 Hz and 60 Hz ballasts available for use with U.S. metal halide and high pressure sodium lamps.
 - Optional multi-tap ballast (120V, 208V, 240V, 277V; 120V, 277V, 347V in Canada).
 - Optional five-tap ballast (120V, 208V, 240V, 277V, 480V). Available for 250W, 400W, 1000W metal halide and high pressure sodium (CWA only).

Example: TH 350MP PA22 TB SCWA FWG

| Lamp/fixture data | | | | |
|-----------------------------------|------------------|------------------|----|---------------|
| Wattage | Standard ballast | Weight lbs. kgs. | | S/mtg. height |
| High pressure sodium (mog/coated) | | | | |
| 250 (PA16) | CWA | 21 | 10 | 1.2 to 1.9 |
| 400 (PA22) | CWA | 35 | 16 | 1.3 to 2.0 |
| 250 (PA22N) | CWA | 21 | 10 | 0.8 to 2.0 |
| 400 (PA22N) | CWA | 35 | 16 | 0.8 to 2.0 |
| 1000 (PA25) | CWA | 48 | 22 | 1.3 to 2.2 |
| Metal halide (mog/coated) | | | | |
| 175 (PA22E) | CWA | 20 | 9 | 1.3 to 2.0 |
| 250 (PA22E) | CWA | 22 | 10 | 1.3 to 2.0 |
| 400 (PA22) | CWA | 31 | 14 | 1.2 to 2.1 |
| 400 (PA22N) | CWA | 31 | 14 | 0.8 to 2.1 |
| 400 (PA22SP) | CWA | 31 | 14 | 0.8 to 2.1 |
| 1000 (PA25) | CWA | 40 | 18 | 1.6 to 2.2 |

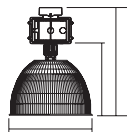
| Ambient Parameters | -30° to 25°C (-22° to 131°F) | -30° to 40°C (-22° to 77°F) | -30° to 55°C (-22° to 104°F) |
|-------------------------------|------------------------------|-----------------------------|------------------------------|
| TH250SPA16, PA22/PA22N/PA22SP | | | ■ |
| TH175M, 250MPA22E | | | ■ |
| TH400M, 400SPA22/PA22N/PA22SP | | | ■ |
| TH400M, 400SPA22L | | ■ | |
| TH1000M, 1000SPA25 | | ■ | |

■ = COMPATABILITY

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

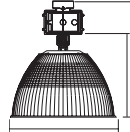
TH PA16

Reflector height: 10-3/4(27.3)
Varies with distribution.
Overall height: 20-5/8 to 26(52.4 to 66)
Diameter: 16-1/4(41.3)



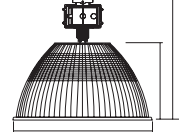
TH PA22/PA22L

Reflector height: 13-1/2(34.3)
Varies with distribution.
Overall height: 20-5/8 to 26(52.4 to 66)
Diameter: 22-3/8(56.8)



TH PA25

Reflector height: 14(35.6)
Varies with distribution.
Overall height: 23 to 26-3/8(58.4 to 62)
Diameter: 25-1/2(64.8)



lightquick^{XD}
Express delivery products.

See page 11 for details about LightQuick XD.

Description

TH 400 PA22 TB