

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

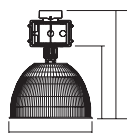
Ambient Parameters	-30° to 25°C (-22° to 131°F)	-30° to 40°C (-22° to 77°F)	-30° to 55°C (-22° to 104°F)
TH250S PA16, PA22/PA22N/PA22SP			■
TH175M, 250M PA22E			■
TH400M, 400S PA22/PA22N/PA22SP			■
TH400M, 400S PA22L		■	
TH1000M, 1000S PA25		■	

■ = COMPATABILITY

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

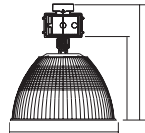
TH PA16

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)



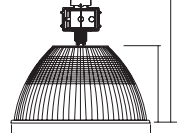
TH PA22/PA22L

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