

FEATURES & SPECIFICATIONS

INTENDED USE — Use in 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.** [Click here for Acrylic Environmental Compatibility table for suitable uses.](#)

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

FINISH — Electrostatically-applied white polyester powder paint.

OPTICAL SYSTEM — UV-stabilized, high-efficiency, high performance acrylic refractor yields high vertical footcandles while maintaining low brightness. Upper collar is painted with white polyester powder paint. Optical assembly is fully adjustable and accommodates a range of light distributions, while providing approximately 20% uplight. Self-cleaning, ventilated design carries optical contaminants out through the top of refractor. PA22L enclosed optical utilizes a clear, tempered-glass lens. Glass lens does not meet UL lamp rupture containment requirements. Hinged and latched for easy maintenance. Coated lamps provide optimum performance.

ELECTRICAL SYSTEM — Ballast: All ballasts are 100% factory tested. HPS: Constant wattage autotransformer; MH: Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required for 250-400W (must order SCWA option) for US shipments only. CSA, NOM or INTL required for probe start shipments outside the US. Socket: Vertically oriented mogul base PROTECTED EXCLUSIONARY base "PINK" socket with copper alloy nickel plated screw shell and center contact. For use with "O" rated protected metal halide lamps only.

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 — Adjustable reflector mounting brackets are progressively die-formed of 18-gauge galvanized steel. For areas where reflectors are subject to impact (gymnasiums, etc.) add FWG (full wireguard) to catalog number.

LISTINGS — UL listed -30°C to 55°C ambient operations & damp locations. Listed and labeled to comply with Canadian Standards. NOM Certified (see Options).

Catalog Number	
Notes	Type

Open High Bay Industrial Lighting

TH PA22

ACRYLIC OPTICAL

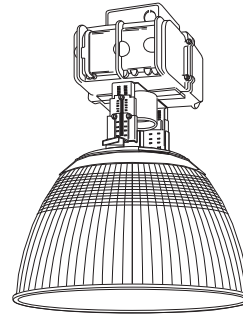
Protected Metal Halide

200W - 400W

High Pressure Sodium

250W - 400W

18' to 30' mounting



Specifications

Installed height: 20-5/8 to 26 (52.5 to 66.7)

Installed width: 22-3/8 (56.8)

Installed weight: 31 lbs (14.1 kg)

All dimensions are inches (centimeters) unless otherwise specified.

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: TH 400MP PA22 120 SCWA

TH		Reflector		Voltage	Ballast ⁷	Options	
Series	TH	PA22 Standard	PA22L Lensed	120		Shipped installed in fixture	
Wattage/lamp				208 ^{3,4}	NOTE: For shipments to U.S. Territories, SCWA must be specified to comply with EISA.	SF Single fuse (120, 277, 347V) ^{9,10}	HOC5 Hook, 5' white cord, RELOC OCS ^{9,14}
<u>High pressure sodium</u>				240 ^{3,4,5}	SCWA Super constant wattage autotransformer	DF Double fuse (208, 240, 480V) ^{9,10}	LOCU Loop, 5' white cord, RELOC OCU ^{7,9,13,14,15}
250S 400S				277	RLB Regulated lag ballast	EC Emergency circuit ^{10,11,12}	HOCU Hook, 5' white cord, RELOC OCU ^{7,9,13,14,15}
<u>Protected metal halide</u>				347	SCWI Isolated SCWA	QRS Quartz restrike system ^{10,11,12}	TR Remote ballast ⁷
200MP 250MP ¹				480 ^{3,4}	(blank) Standard magnetic ballast ⁸	QRST QRS time delay ^{10,11,12}	RC3NP TR with prewired 3' cord ⁹
320MP 350MP ¹				TB ⁶	CWI Constant wattage isolated ⁸	HA 65°C ambient operation	ENC Encapsulated CWA ballast (Consult factory for availability)
400MP ¹					MRB Magnetic regulator ballast	CR Corrosion-resistant finish	KW1 KiloWatch® 120V control relay ^{7,10}
<u>Protected metal halide - Title 20²</u>						TOB Through-wire outlet box	KW4 KiloWatch 277V control relay ^{7,10}
200MP 320MP						TOBP Through-wire outlet box plug-in ⁹	KW150 KiloWatch 277V control relay-50% light output ^{7,10}
						PBP Pendant box plug-in ⁹	KW450 KiloWatch 277V control relay-50% light output ^{7,10}
						LCPP Loop, cord, plug requires TPH, PPH ⁹	KW1S KiloWatch II with integral sensor ¹⁰
						LC3P Loop, 3' cord, 15A NEMA twistlock plug ^{9,13}	CSA Listed and labeled to comply with Canadian Standards
						HC3P Hook, 3' cord, 15A NEMA twistlock plug ^{9,13}	NOM NOM Certified (Consult factory)
						LOCS Loop, 5' white cord, RELOC OCS ^{9,14}	

Accessories

Order as separate catalog number.	
HKF Fixture hook female	
LPF Fixture loop female	
SCK 60" safety chain kit	
HKM Fixture hook male	
HKMG Grommited fixture hook male	
LPM Fixture loop male	
LPMG Grommited fixture loop male	
TPH Through-wire power hook	
PPH Pendant power hook	
FWG Full wire guard	

NOTES:

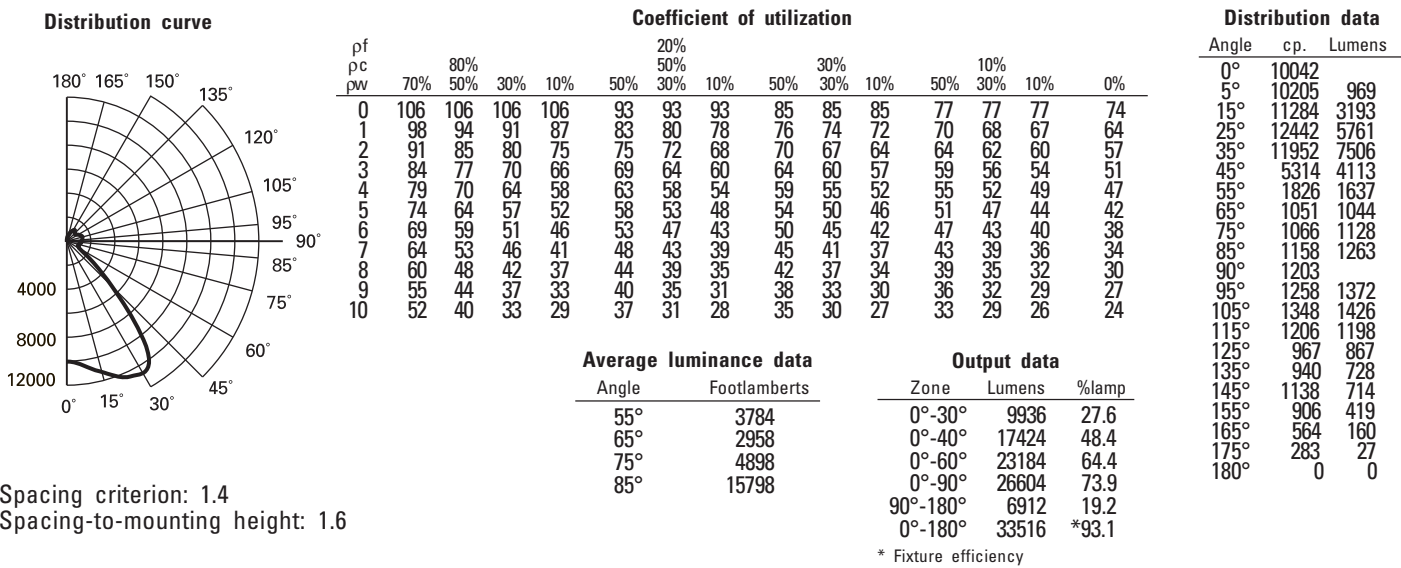
- In order to comply with California Title 20 regulations for metal halide fixtures, these metal halide wattages must be ordered with KW1S option for sale to California.
- These wattages comply with California Title 20.
- Requires CWI or RLB option in Canada for MH. Available in 175-400W.
- Requires CWI or MRB option in Canada for HPS. Available in 70-400W.
- 220V and 240V 50Hz and 60Hz ballasts available for use with U.S. metal halide lamps.
- Optional multi-tap ballast (120, 208, 240, 277V). For voltage specific options specify tap position (TB1=120V, TB2=208V, TB3=240V, TB4=277V).

- For specific ordering information, see Product Selection Guide.
- Available for shipments outside of U.S. only.
- Must specify voltage or tap position.
- Option is not field-installable; must be factory-installed.
- Lamp not included.
- See Product Selection Guide (QRS Lamp Wattage Table) for maximum lamp wattage.
- 20A standard 480V.
- May be ordered with 10', 15' and 20' cords. For black cord, specify **BK** (i.e. **HOC5BK**).
- When using RELOC with KiloWatch, LOCU or HOCU option must be used with TAP1KW, TAP3KW or TAP13KW. Consult factory for 208, 240, 480V.

TH PA22 High Bay

TH 400MP PA22 SCWA, leg position 3 (wide), 400W, coated metal halide lamp, 36,000 rated lumens. Test No.1190121910.

TH 400MP PA22 SCWA, leg position 8 (medium), 400W, coated metal halide lamp, 36,000 rated lumens. Test No. 1190121915.



Spacing criterion: 1.4
Spacing-to-mounting height: 1.6

TH 400MP PA22L: or for other distributions, consult factory.

Using FWG option will affect performance. Use a .9 multiplier to obtain performance data.