

FEATURES & SPECIFICATIONS

INTENDED USE

Use in high mounting heights that require high efficiencies, horizontal illumination, premium contrast control and higher thermal performance. Ideal for heavy manufacturing areas, retail and warehouse aisles and gymnasiums.

ATTRIBUTES

Completely enclosed borosilicate glass reflector inhibits the entrance of dust and air-borne particulate while providing maximum durability and cleanability. Designed to provide downward distributions while the inner glass softens the lamp glare.

CONSTRUCTION

Housing – Vertically seamed, 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

Electrostatically applied white polyester powder paint.

OPTICAL SYSTEM

16" diameter heat-resistant borosilicate glass reflector/refractor. Three plated steel support rods retain the glass reflector/refractor between a cast aluminum upper enclosure and a corrosion-resistant steel flange. Clear tempered glass lens is fully gasketed to inhibit the entrance of ambient contaminants. Lens assembly is hinged and latched to allow easy maintenance. Meets UL lamp rupture containment specifications.

ELECTRICAL SYSTEM

Ballast – Copper wound and 100% factory tested. High power factor, constant-wattage autotransformer. 180°C Class H insulation. Meets ANSI C82 ballast standards. UL 1029 listed. (For 50-hertz availability, consult factory.)

Socket – Porcelain, vertically oriented, mogul-base socket with copper alloy, nickel-plated screw shell and center contact. UL listed 1500W, 600V and 5KV 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-pounds pull test.

Optical Mounting – Six 8-32 zinc-plated, tri-lobular, thread-rolling screws are arranged concentrically around the lamp socket. Cast upper enclosure is gasketed and provided with matching keyhole slot pattern for vibration-resistant mounting.

LISTING

UL listed for damp locations. Ambient operation –30° to 55° C. High ambient (HA option) of 65° available. UL Listed to U.S. 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).

TPGE	PG16GLE	Voltage	Ballast
Series	Reflector	120	(blank) Standard magnetic ballast
TPGE	PG16GLE	208^{1,2}	CWI Constant wattage isolated
Wattage	Distribution	240^{1,2,3}	MRB Magnetic regulator ballast
<u>High pressure sodium</u>	N Narrow (175M to 450M only)	277	LLCWA Low loss CWA
150S 200S 400S	C Concentrating	347	Pulse start
250S	M Medium	480^{1,2}	LLRPSL Low loss reactor ballast ⁷
<u>Metal halide</u>	S Spread	TB⁴	SCWA Super constant wattage autotransformer
175M 250M 400M	W Widespread	TB⁵	LLSCWA Low loss SCWA
200M 320M 450M			RLB Regulated lag ballast
350M			SCWI Isolated SCWA

Accessories

Order as separate catalog numbers

HKF	Fixture hook female
LPF	Fixture loop female
SCK	60" safety chain kit
TMB	Twin mounting bar (consult factory)
HKM	Fixture hook male
HKMG	Grommeted fixture hook male
LPM	Fixture loop male
LPMG	Grommeted fixture loop male
TPH	Through-wire power hook
PPH	Pendant power hook
UPM	Universal power module
UPM1	UPM with hook adapter plate, wiring block
GFWG	Full wireguard
WG	Wireguard

NOTES:

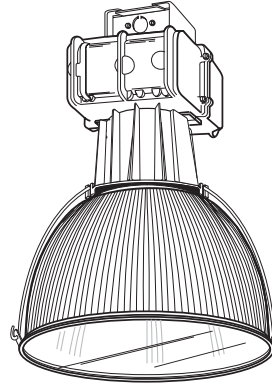
- Requires CWI or RLB option in Canada for MH. Available for 175-450W.
- Requires CWI or MRB option in Canada for HPS. Available for 150-400W.
- 220V and 240V 50 Hz and 60 Hz ballasts available for use with U.S. MH and HPS lamps.
- Optional multi-tap ballast (120, 208, 240, 277V; 120, 277, 347V for Canada). For voltage specific options specify tap position (TB1=120V, TB2=208V, TB3=240V, TB4=277V).

Catalog Number	
Notes	Type



Enclosed Glass High Bay Industrial Lighting

TPGE PG16GLE



Specifications

Overall height: 25-3/4 (65.4)

Width: 17" (43.2cm)

Weight: 36.8 lbs/16.7 kg

METAL HALIDE
175W - 450W
HIGH PRESSURE SODIUM
150W - 400W

Example: **TPGE 250M PG16GLE M 120**

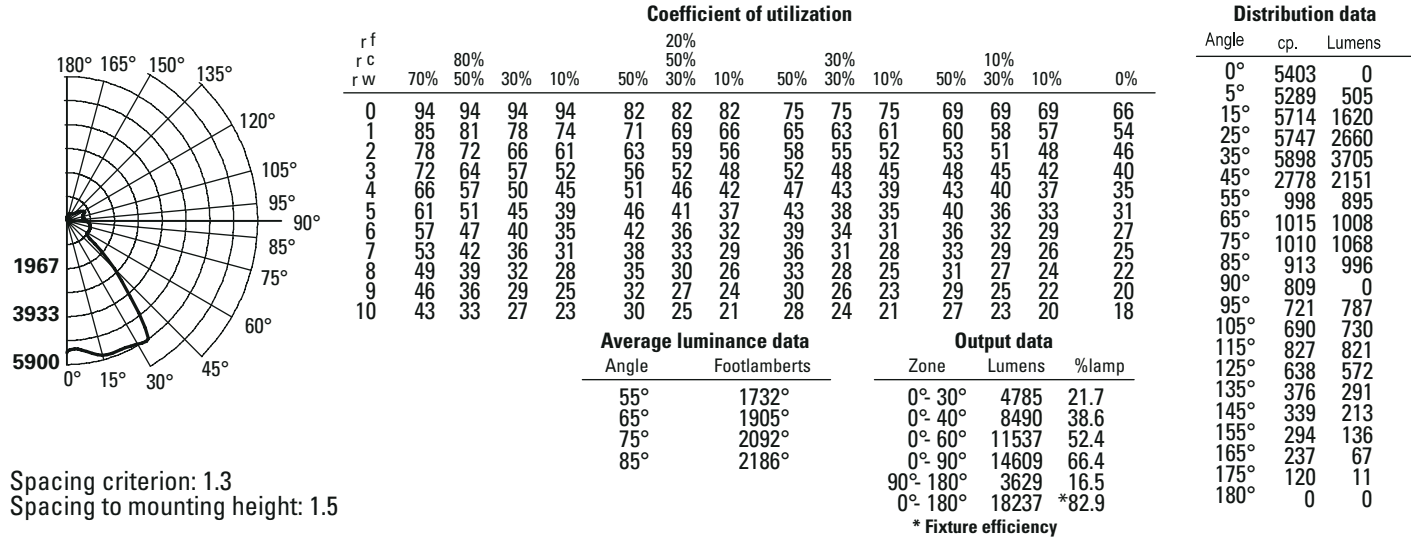
Options	
<u>Shipped installed in fixture</u>	
SF	Single fuse (120, 277, 347V) ⁹
DF	Double fuse (208, 240, 480V) ⁹
EC	Emergency circuit ^{9,10}
QRS	Quartz restrrike system ^{9,10}
QRSTD	QRS time delay ^{9,10}
HA	65°C ambient operation
CR	Corrosion-resistant finish
TOB	Through-wire outlet box
TOBP	Through-wire outlet box plug-in ⁸
PBP	Pendant box plug-in ⁸
LCPP	Loop, cord, plug requires TPH, PPH ⁹
LC3P	Loop, 3' cord, 15A NEMA twist-lock plug ^{8,11,12}
HC3P	Hook, 3' cord, 15A NEMA twist-lock plug ^{8,11,12}
LOCS	Loop, 5' white cord, Reloc OCS ^{8,13,14}
HOCS	Hook, 5' white cord, Reloc OCS ^{8,13,14}
LOCU	Loop, 5' white cord, Reloc OCU ^{6,8,11,12,13,14,15}
HOCU	Hook, 5' white cord, Reloc OCU ^{6,8,11,12,13,14,15}
LUCP	Loop, cord, plug for UPM ⁸
LUCPSF	Single-fuse LUCP, dead front ⁸
LUCPDF	Double-fuse LUCP, dead front ⁸
UCP	Universal cord, plug for UPM ^{8,13}
UCPSF	Single-fuse UCP, dead front ⁸
UCPDF	Double-fuse UCP, dead front ⁸
TR	Remote ballast
RC3NP	TR with prewired 3' cord ⁸
ENC	Encapsulated CWA ballast (120, 277, 347V)
KW1	KiloWatch 120V control relay ⁸
KW4	KiloWatch 277V control relay ⁸
KW150	KiloWatch 120V control relay – 50% light output ⁸
KW450	KiloWatch 277V control relay – 50% light output ⁸
KW1S	KiloWatch II with integral sensor
CSA	Listed and labeled to comply with Canadian Standards
NOM	NOM Certified (Consult factory)

- 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.

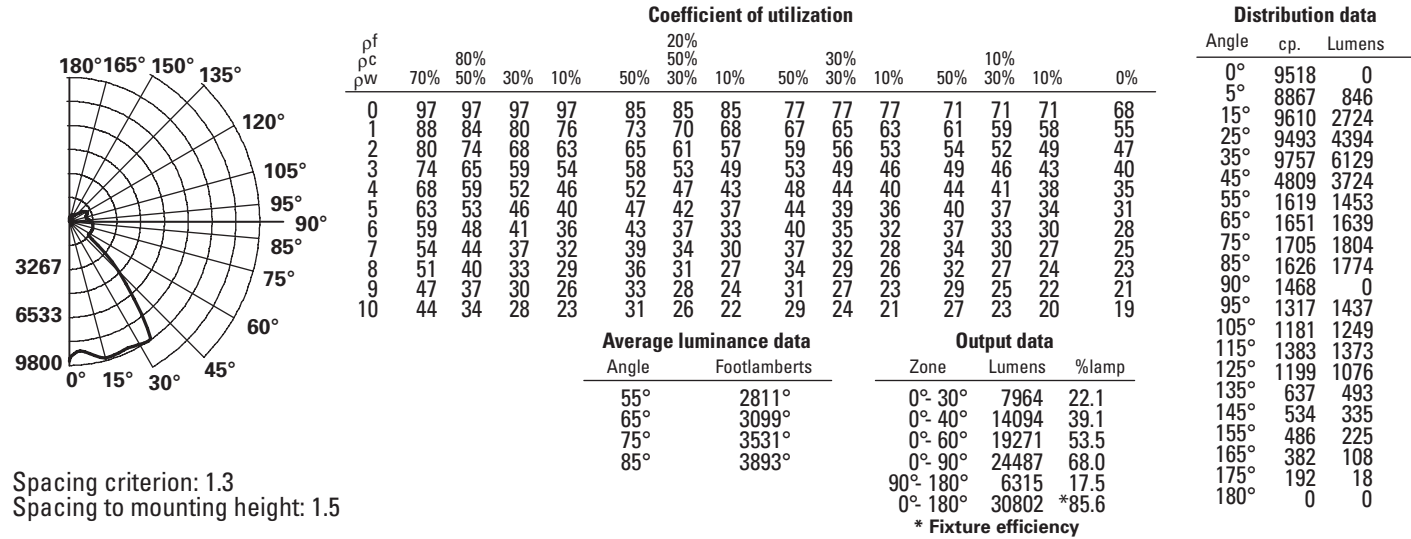
- Lamp not included.
- Quartz lamp wattage not to exceed ballast wattage rating.
- 20A standard 480V.
- Specify circuit/tap position.
- In Canada, 120/347V only.
- May be ordered with 10', 15' and 20' cords. For black cord, specify **BK** (i.e. **HOC3BK**).
- When using Reloc with KiloWatch, LOCU or HOCU option must be used with E or F conductors. Consult factory for 208, 240, 480V.

TPGE-PG16GLE Metal Halide, High Pressure Sodium, Enclosed Glass High Bay

TPGE 250M PG16GLE M, (medium), 250W clear Metal Halide lamp, 1.5 s/mh, 22000 rated lumens, test no. 1197012541



TPGE 400M PG16GLE M (medium), 400W clear Metal Halide lamp, 1.5 s/mh, 36000 rated lumens, test no. 1196092927



Available	Spacing
Distribution	Criterion
C - concentrating	.8
M - medium	1.3
S - spread	1.6
W - widespread	1.9

Consult factory for coated lamp photometry.

Electrical Characteristics

Wattage/ballast	Primary voltage	Line current (amps) start/operating	Primary dropout voltage	Input watts	Power factor (%)	Regulation Line V = Lamp lumens
250 CWA	120	2.20/2.60	60			
Peak-lead autotransformer	208	1.30/1.50	104			
	240	1.10/1.30	120	295	90+	±10% = ±10%
	277	1.00/1.12	138			
	480	.60/.65	240			
250 CWI	120	3.50/4.00	60			
400 CWA	208	2.00/2.30	104			
Peak-lead Autotransformer	240	1.75/2.00	120	458	90+	±10% = ±10%
	277	1.50/1.75	138			
	347	1.20/1.40	174			
	480	.90/1.00	240			

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

LER.HID	ANNUAL ENERGY COST	LAMP DESCRIPTION	LAMP LUMENS	BALLAST FACTOR	WATTS
61.8	\$3.88	MH250U	22,000	1	295
81.3	\$3.62	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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