

Premium Enclosed Glass Optical

TPGE

DuraBay™



Intended Use

For high mounting heights that require high efficiencies, horizontal and vertical illumination, and premium contrast control. Optimum performance for high ambient temperatures and harsh environments. Ideal for heavy manufacturing areas, retail, warehouse aisles and gymnasiums.

Features

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

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

Optics – High-efficiency, high performance heat-resistant borosilicate glass reflector mounted within a heavy-gauge rigid wire form. Yields high vertical foot candles with low brightness and excellent contrast control. Cast-aluminum upper enclosure and corrosion-resistant steel

flange and clear tempered glass lens are fully gasketed. Lens assembly hinged and triple latched for tight seal and easy maintenance.

Socket – Glazed porcelain, vertically oriented, mogul base socket with copper alloy, nickel-plated screw shell and center contact. UL Listed 1500W, 600V, 4KV. 5KV pulse rated for 1000S.

Installation – Cast-aluminum pendant splice box threaded for 3/4" conduit (standard). Other mounting options available.

Listings

UL Listed to U.S. and Canadian safety standards. NOM Certified. UL Listed for damp locations. Ambient operation: -30°C to 55°C (High Ambient HA option for 65°C). 750W, 875W and 1000W pulse-start -30°C to 40°C.

Ordering Information

Example: TPGE 400M PG16GLE M TB SCWA

Series	Wattage	Optical	Distribution (select one)				Voltage	
TPGE	High pressure sodium						120	
	150S	PG16GLE	-	C	M	S	W	208 ^{1,2}
	200S	PG16GLE	-	C	M	S	W	240 ^{1,2,3}
	250S	PG16GLE	-	C	M	S	W	277
	400S	PG16GLE	-	C	M	S	W	347
	400S	PG21GLE	-	C21	-	-	-	480
	1000S	PG21GLE	-	C21	-	-	-	TB ⁴
								TBV ⁵
	Metal halide							
	175M	PG16GLE	N	C	M	S	W	
200M	G16GLE	N	C	M	S	W		
250M	PG16GLE	N	C	M	S	W		
320M	PG16GLE	N	C	M	S	W		
350M	PG16GLE	N	C	M	S	W		
400M	PG16GLE	N	C	M	S	W		
450M	PG16GLE	N	C	M	S	W		
350M	PG21GLE	N21	-	-	-	-		
400M	PG21GLE	N21	-	-	-	-		
450M	PG21GLE	N21	-	-	-	-		
750M	PG21GLE	N21	-	-	-	-		
875M	PG21GLE	N21	-	-	-	-		
1000M	PG21GLE	-	C21	-	-	-		

N = Narrow
C = Concentrating
M = Medium
S = Spread
W = Widespread

Ballast

Metal halide and high pressure sodium (blank) Standard magnetic ballast
CWI Constant wattage isolated
MRB Magnetic regulator ballast

Pulse Start H.I.D. Ballast/Lamp Systems

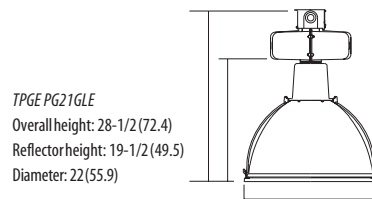
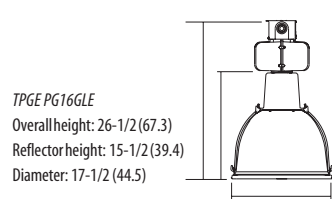
Pulse start metal halide
LLRPSL Linear reactor pulse start
SCWA Super constant wattage autotransformer
LLSCWA Low loss SCWA
RLB Regulated lag ballast
SCWI Isolated SCWA
 See pages 384-385 for details.

Options/Accessories

See pages 386-397. HID lamps are available with luminaires. Consult factory.

Wattage	Lamp/fixture data		Spacing criteria				
	Standard ballast	Weight lbs. kgs.	N	C	M	S	W
High pressure sodium (mog/clear)							
150 (PG16GLE)	CWA	32 15	-	0.9	1.3	1.5	1.8
200 (PG16GLE)	CWA	35 16	-	0.9	1.5	1.7	2.0
250 (PG16GLE)	CWA	35 16	-	0.9	1.5	1.7	2.0
400 (PG16GLE)	CWA	38 17	-	0.8	1.3	1.7	2.2
400 (PG21GLE)	CWA	55 25	-	1.0	-	-	-
1000 (PG21GLE)	CWA	55 25	-	1.4	-	-	-
Metal halide (mog/clear)							
175 (PG16GLE)	CWA	36 16	0.6	0.8	1.3	1.6	1.9
250 (PG16GLE)	CWA	36 16	0.6	0.8	1.3	1.6	1.9
400 (PG16GLE)	CWA	38 17	0.7	0.9	1.3	1.6	1.9
400 (PG21GLE)	CWA	55 25	0.9	-	-	-	-
1000 (PG21GLE)	CWA	55 25	-	1.2	-	-	-

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



NOTES:

- 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).