

Premium Open Glass Optical

TPG

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 dirty environments. Ideal for heavy manufacturing areas, retail and warehouse aisles.

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 – High-efficiency, high-performance, heat-resistant borosilicate glass reflector mounted within heavy-gauge rigid wire forming rings and rods fitted to top of reflector and bottom of reflector. Yields high vertical footcandles

with low brightness and excellent contrast control. Self-cleaning, ventilated design carries optical contaminants out through top of reflector.

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

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). 875W and 1000W pulse-start -30°C to 40°C.

Ordering Information

Example: **TPG 400MP PG16 M TB SCWA QRS**

Series	Wattage	Optical	Distribution (select one)				
TPG	High pressure sodium						
	150S	PG16	N	C	M	S	W
	200S	PG16	-	C	M	S	W
	250S	PG16	-	C	M	S	W
	400S	PG16	-	C	M	S	W
	400S	PG21	-	C21	-	-	-
	1000S	PG21	-	-	M21	-	-
	Metal halide protected ¹						
	175MP	PG16	N	C	M	S	W
	200MP	PG16	N	C	M	S	W
	250MP	PG16	N	C	M	S	W
	320MP	PG16	N	C	M	S	W
	350MP	PG16	N	C	M	S	W
	400MP	PG16	N	C	M	S	W
	450MP	PG16	N	C	M	S	W
200MP	PG21	N21	-	-	-	-	
350MP	PG21	N21	-	-	-	-	
400MP	PG21	N21	-	-	-	-	
450MP	PG21	N21	-	-	-	-	
875MP	PG21	-	C21	-	-	-	
1000MP	PG21	-	C21	-	-	-	
Metal halide							
400M	PG16	N	C	M	S	W	
400M	PG21	N21	-	-	-	-	
1000M	PG21	-	C21	-	-	-	

Voltage	Ballast
120	Metal halide and high pressure sodium
208 ^{2,3}	(blank) Standard magnetic ballast
240 ^{2,3,4}	CWI Constant wattage isolated
277	MRB Magnetic regulator ballast
347	
480 ^{2,3}	
TB ⁵	
TBV ⁶	

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

Voltage	Ballast
	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

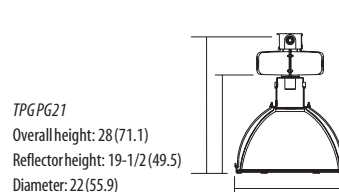
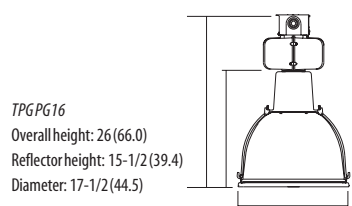
See pages 384-385 for details.

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

Lamp/fixture data							
Wattage	Standard ballast	Weight lbs. kgs.	Spacing criteria				
			N	C	M	S	W
High pressure sodium (mog/clear)							
150 (PG16)	CWA	32 15	0.7	1.0	1.3	1.7	2.0
200 (PG16)	CWA	35 16	-	0.8	1.2	1.6	1.9
250 (PG16)	CWA	35 16	-	0.8	1.2	1.6	1.9
400 (PG16)	CWA	38 17	-	0.8	1.2	1.7	2.0
400 (PG21)	CWA	55 25	-	1.1	-	-	-
1000 (PG21)	CWA	55 25	-	-	1.5	-	-
Metal halide (mog/clear)							
400 (PG 16)	CWA	36 16	0.7	1.0	1.3	1.7	2.0
400 (PG21)	CWA	55 25	0.7	-	-	-	-
1000 (PG21)	CWA	55 25	-	0.9	-	-	-

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

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



NOTES:

- See page 385 for details on protected sockets.
- 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).