

Enclosed Prismatic Acrylic Optical

TGL TGR



Intended Use

For areas that require optimum vertical illumination with glare control at low mounting heights. Ideal for parking garages, greenhouses, garden centers and low-profile industrial 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, die-cast aluminum housing. Standard finish is natural aluminum polyester powder finish.

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

Induction lighting: High Frequency Generator/Ballast - Supplies high-frequency current to the lamp to initiate and maintain a gas discharge for a rated 100,000 hours of life.

Optics – One-piece, injection-molded, 100% virgin acrylic refractor. TGL Type V (A165), Type II

(A162), TGR Type V (A125), and Type 1 (A121) distributions are available. Polycarbonate refractor available.

Socket – Glazed porcelain, vertically oriented mogul-base socket with copper alloy, nickel-plated screw shell and center contact. Medium-base (100M only): UL Listed 660W, 600V, 4KV pulse rated.

Discharge Vessel/Lamp – Glass bulb that contains a mixture of low-pressure mercury vapor and inert buffer gas. The wall of the lamp is coated with a fluorescent powder that produces light.

Listings

TGL: UL Listed to US and Canadian safety standards. NOM Certified. TGR: UL Listed and CSA Certified. NOM Certified. UL Listed for damp locations. Ambient operation: -30°C to 40°C (250M); -40°C to 25°C (85IL). UL wet location optional.

Ordering Information

Example: TGL 175M A165 TB PM

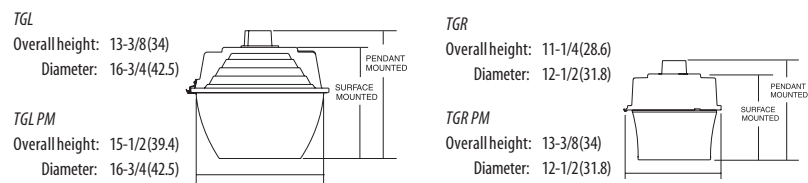
Series	Wattage	Optical ²		Voltage	Ballast	
High pressure sodium TGL	70S	A165	A162	120	<u>Metal halide and high pressure sodium</u> (blank) Standard magnetic ballast Pulse Start H.I.D. Ballast/Lamp Systems <u>Pulse start metal halide</u> LLRPSL Linear reactor pulse start SCWA Super constant wattage autotransformer See pages 384-385 for details.	
	100S	A165	A162	208^{3,4}		
	150S	A165	A162	240^{4,5}		
	TGR	70S	A125	A121		277
	100S	A125	A121	347		
	150S	A125	A121	480⁴		
Metal halide TGL	100M	A165	A162	TB⁶		
	175M	A165	A162			
	200M	A165	A162			
	250M¹	A165	A162			
	TGR	100M	A125	A121		
	175M	A125	A121			
Induction TGL	85IL	A165	A162			
	55IL	A165	A162			

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

Lamp/fixture data				
Wattage	Standard ballast	Weight lbs.	kgs.	S/mtg. height
TGL Type V				
<u>High pressure sodium (mog/clear)</u>				
70	HX-HPF	21	9	2.3
100	HX-HPF	23	10	2.3
150	HX-HPF	23	10	2.3
<u>Metal halide [med(100)/mog(175-250)/clear]</u>				
100	CWA	20	9	1.2
175	CWA	23	10	1.7
250	CWA	26	12	1.7
TGR Type V				
<u>High pressure sodium (mog/clear)</u>				
70	HX-HPF	11	5	1.8
100	HX-HPF	13	6	1.7
150	HX-HPF	14	6	1.8
<u>Metal halide [med(100)/mog(175)/clear]</u>				
100	CWA	13	6	1.7
175	CWA	14	6	1.8

- NOTES:
 1 Not available with SCWA.
 2 Polycarbonate lens: Replace **A** in optical nomenclature with **P** for polycarbonate lens.
 3 Requires CWI option in Canada. Only available in 250M.
 4 Requires CWI or MRB option in Canada for high pressure sodium. Available for 70-150W.
 5 220V and 240V, 50Hz and 60Hz ballasts available for use with U.S. metal halide and high pressure sodium lamps.
 6 Optional multi-tap ballast (120V, 208V, 240V, 277V; 120V, 277V, 347V in Canada).

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



Ambient Parameters	-40°C to 25°C (-22° to 77°F)	-30° to 40°C (-22° to 104°F)	-30° to 55°C (-22° to 131°F)
TGR		■	
TGL 100-175M			■
TGL 250M		■	
TGL 70-150S			■
TGL 55-85IL	■		

■ = COMPATIBILITY

Options & Accessories

		Ships attached	Ships separately
Universal power module hook and loop mounting			
LUCP	Loop, cord and plug; for use with UPM ^{1,2}	●	
LUCPSF	LUCP, single fuse; dead front fusing; 120/277V only; for use with UPM ^{1,2}	●	
LUCPDF	LUCP, double fuse; dead front fusing; 208/240/480V only; N/A multi-tap ballast; for use with UPM ^{1,2}	●	
UPM1	Universal power module/hook adapter (specify voltage); luminaire requires LUCP, LUCPSF or LUCPDF		●
Universal power module mounting			
UCP	Universal cord and plug; for use with UPM ^{1,2,3}	●	
UCPSF	UCP with single fuse; dead front fusing; for use with UPM ^{1,2,3}	●	
UCPDF	UCP with double fuse; dead front fusing; for use with UPM ^{1,2,3}	●	
UPM	Universal power module (specify voltage); luminaire requires UCP, UCPSF or UCPDF		●
Box mounting			
TOB	Through-wire outlet box ²		●
TOBP	Through-wire outlet box plug-in ^{1,2}	●	●
PBP	Pendant box plug-in ^{1,2}	●	●
PSB	Pendant splice box (steel box) ²	●	
PM	Pendant splice box (die-cast aluminum box)	●	
Mounting hooks and loops			
HKM	Fixture hook, male		●
HKF	Fixture hook, female (3/4" threaded coupler)		●
HKMG	Grommited fixture hook, male		●
LPM	Fixture loop, male		●
LPF	Fixture loop, female (3/4" threaded coupler)		●
LPMG	Grommited fixture loop, male		●
Mounting bars			
SMB18	18" single-mounting bar; requires TR remote ballast option ^{2,4}		●
SMB24	24" single-mounting bar; requires TR remote ballast option ^{2,4}		●
TMB30	30" twin-mounting bar ²		●
TMB48	48" twin-mounting bar ²		●
WB	TG Series wall mounting bracket		●
Wireguards			
WGA	Wire guard for open Hi-Tek® high bay reflectors (specify reflector size 15, 16, 17 or 22)		●
WGG	Wireguard for enclosed high bay reflectors (add WG to catalog number)	●	
WG	Wire guard for Hi-Tek® low bays	●	
LGA	Louver guard for open Hi-Tek® high bays (specify reflector size 16, 17 or 22)		●
LGG	Louver guard for enclosed Hi-Tek® high bays (specify reflector size 17 or 22)		●
WGP	Wire guard for prismatic glass high bays (specify reflector size 16, 21, 16A or 21A)		●
GFWG	Full wire guard enclosed glass optic		●
FWG	Full wire guard for Acrylume® optics		●
Decorative shades			
DCY	Cylinder shade (specify reflector size and color) ⁵		●
DSQ	Square shade (specify reflector size and color) ⁵		●
DHX	Hexagonal shade (specify reflector size and color) ⁵		●
Paint options			
CR	Enhanced corrosion-resistant finish (polyester), housing and reflector ⁶	N/A	N/A
CRT	Non-stick protective coating, housing and reflector ⁶	N/A	N/A
Lamp options			
LPI	Lamp shipped in carton with fixture (N/A with incandescent)	●	
W/LAMP	Lamp ships separately (N/A with incandescent)		●

NOTES:

- 1 Must specify voltage tap for TB and TBV in catalog number voltage field (TB1=120V, TB2=208V, TB3=240V, TB4=277V, TBV1=120V, TBV2=208V, TBV3=240V, TBV4=277V, TBV6=480V).
- 2 Cannot be combined with (WL) wet location option.
- 3 Available 120V or 347V only in Canada.
- 4 Requires (TR) remote ballast option.
- 5 Pendant mount on rigid conduit. Not for use with any self-leveling hanger.
- 6 Consult factory for environmental compatibility.
- 7 Requires (PM) pendant splice box option.
- 8 Must be ordered with (GL17/GL22) tempered glass lens door enclosure.
- 9 Housing only.

Optional Architectural Colors

DNA	Natural aluminum
DSB	Steel blue
DMB	Medium bronze
DTG	Tennis green
DSS	Sandstone
DBL	Black
DWH	White
DGC	Charcoal gray
DBR	Bright red
DBB	Dark bronze