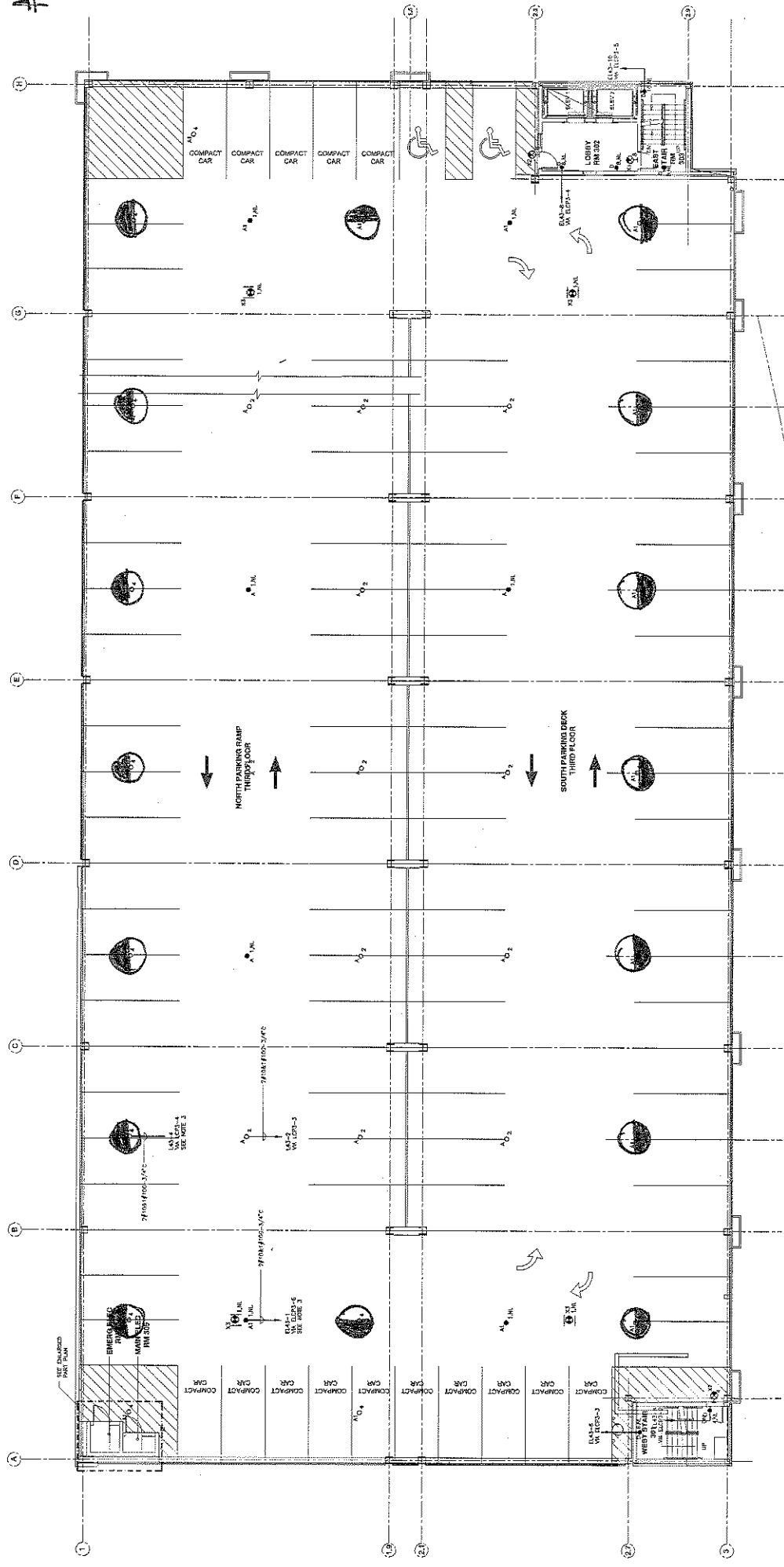


2
4



SIDE 63.23.07

8 Basic Optical Configurations

PGL54

UP LIGHT
DOWN LIGHT

4 INTERNAL DOWNLIGHT REFLECTORS

Driving Direction

Plan views of Up and Down light patterns.

Plan view and description of fixture optical configuration.

Two-way drive lane
Single fixture row

One-way drive lane
Single fixture row

PGL54 - two internal reflectors, rectangular light pattern, cutoff, up-light, and vertical fill.

PGL54R - same as PGL54, restricted up-light, and increased down light.

PGL55

NO UP LIGHT
DOWN LIGHT

4 INTERNAL DOWNLIGHT REFLECTORS

Driving Direction

Garage entrance or high ceiling area.

PGL55 - full internal reflectors, full cutoff, intense down light, and no up-light.

PGL56

UP LIGHT
DOWN LIGHT
SIDE LIGHT

2 INTERNAL DOWNLIGHT REFLECTORS

One-Way Driving Direction

Optional House-side Shield Substantially reduces light beyond one measuring height behind fixtures.

One-way drive lane
Single fixture row

PGL56 - two internal reflectors, asymmetric light pattern, cutoff, up-light, and vertical fill.

PGL56R - same as PGL56, restricted up-light, and increased down-light.

PGL57

UP LIGHT
DOWN LIGHT
SIDE LIGHT

2 INTERNAL DOWNLIGHT REFLECTORS

Driving Direction

Two-way drive lane
Double fixture row

One-way drive lane
Single fixture row

PGL57 - two internal reflectors, asymmetric light pattern, cutoff, up-light, and vertical fill.

PGL57R - same as PGL57, restricted up-light, and increased down-light.

PGL58

UP LIGHT
DOWN LIGHT
SIDE LIGHT

2 INTERNAL DOWNLIGHT REFLECTORS

Driving Direction

Two-way drive lane
Double fixture row

One-way drive lane
Single fixture row

PGL58 - two internal reflectors, asymmetric light pattern, cutoff, up-light, and vertical fill.

PGL58R - same as PGL58, restricted up-light, and increased down-light.

PGL51

NO INTERNAL REFLECTORS

Driving Direction

Two-way drive lane
Double fixture row

PGL51 - no internal reflectors, moderate cutoff, up-light, and vertical fill.

PGL52

4 INTERNAL DOWNLIGHT REFLECTORS

Driving Direction

One-way drive lane
Single fixture row

PGL52 - full internal reflectors, square light pattern, sharp cutoff, and up-light.

PGL52R - same as PGL52, no up-light, and increased down-light.

PGL53

2 INTERNAL DOWNLIGHT REFLECTORS

Driving Direction

Two-way drive lane
Single fixture row

PGL53 - two internal reflectors, rectangular light pattern, cutoff, up-light, and vertical fill.

PGL53R - same as PGL53, restricted up-light, and increased down-light.

PGL54

UP LIGHT
DOWN LIGHT

4 INTERNAL DOWNLIGHT REFLECTORS

Driving Direction

Two-way drive lane
Single fixture row

PGL54 - two internal reflectors, rectangular light pattern, cutoff, up-light, and vertical fill.

PGL54R - same as PGL54, restricted up-light, and increased down light.

PGL55

NO UP LIGHT
DOWN LIGHT

4 INTERNAL DOWNLIGHT REFLECTORS

Driving Direction

Garage entrance or high ceiling area.

PGL55 - full internal reflectors, full cutoff, intense down light, and no up-light.

PGL56

UP LIGHT
DOWN LIGHT
SIDE LIGHT

2 INTERNAL DOWNLIGHT REFLECTORS

One-Way Driving Direction

Optional House-side Shield Substantially reduces light beyond one measuring height behind fixtures.

One-way drive lane
Single fixture row

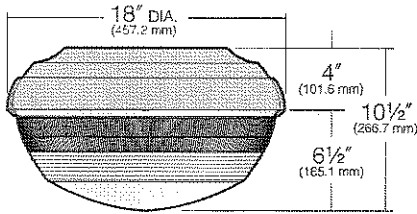
PGL56 - two internal reflectors, asymmetric light pattern, cutoff, up-light, and vertical fill.

PGL56R - same as PGL56, restricted up-light, and increased down-light.

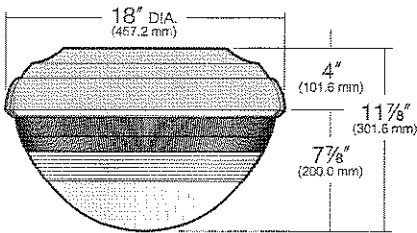
Specifications

PGL5/6 Models

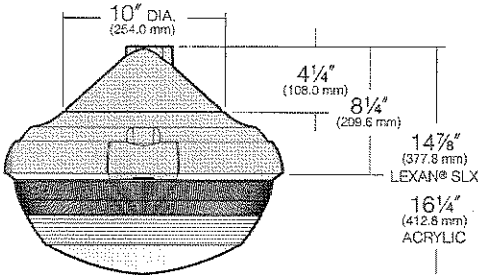
Dimensions



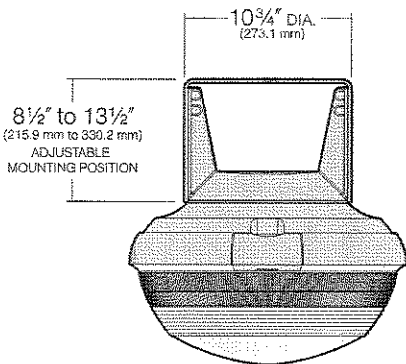
Fixture with Standard Lexan® SLX Refractor



Fixture with Optional Acrylic Refractor (A)



Fixture with Optional Balanced Pendant J-Box and Bird Shroud (PB2)



Fixture with Optional Trunnion Mount (TB2)

Speed Mount: Electro-zinc plated steel for mounting to standard 4" Junction Box or mud-box. Fixture hangs from hooks to free both hands to make field wire connections. Allows tool-free fixture mounting to Junction Box, with integral anti-theft lock.

Electrical Housing: Die-cast, low copper (< 0.6% Cu) aluminum for direct mounting to the Kim Speed Mount. Wire entries are sealed by a silicone grommet. Integral latches (2) are die-cast aluminum with stainless steel springs and stainless steel hangers for the refractor.

Refractor: Standard refractor is one-piece injection molded SLX non-yellowing Lexan®, .125" minimum wall thickness. Optional refractor is one-piece injection molded UV stabilized acrylic, .125" minimum wall thickness. Refractor attaches to electrical housing with (2) no-tool quick release latches, with one latch captive as a hinge. Perimeter is fully sealed with a one-piece extruded silicone gasket, with the ends fused together to form a continuous piece, sealing the refractor to the electrical housing, and providing an IP66 fixture rating.

Upper Reflector and Socket: One-piece hydroformed aluminum with a vacuum metalized reflective finish and protective coating. Reflector has keyhole slots for no-tool removal from the electrical housing for ballast access. H.I.D. socket is 4KV pulse rated medium base. Optional G-12 base socket available for 150PMH lamp mode. Fluorescent sockets are universal for 26W, 32W, or 42W PL lamps.

Reflector Modules: Die-cast, low copper (< 0.6% Cu) aluminum with a vacuum metalized reflective finish and protective coating. Reflectors are attached to the upper reflector, and configured for up-light, or restricted up-light depending on the specified fixture. Reflector Modules are included in all models except the PGL51.

Electrical Components: (PGL5) Magnetic H.I.D. ballasts are high power factor, -20°F starting, mounted directly to the electrical housing. (PGL6) Electronic H.I.D. ballasts are high power factor, low frequency, -20°F starting, mounted to a hinged tray as a self-contained module which includes disconnect plugs for field wire and socket connections. Fluorescent ballasts are electronic, high power factor, 0°F starting, mounted on a plate provided with keyhole slots for attachment to the electrical housing. Induction Fluorescent lamp / high frequency generator package is high power factor, -4°F starting, mounted on a plate provided with keyhole slots for attachment to the electrical housing.

Color/Finish: Standard white (WH-P) color on fixture electrical housing, optional PB2 and TB2. Finish is Super TGIC powder coat paint applied over a Titanated Zirconium conversion coating. Consult factory for custom colors.

CAUTION: Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury.

Listings and Ratings	
UL cUL 1598	40C Ambient
IP66 Rated	ISO 9001:2000

CAUTION: All manufacturers of metal halide lamps recommend turning them off for 15 minutes once per week when under continuous operation. This will reduce the risk of arc tube rupture at end of life. Also, color temperature may differ between manufacturers of metal halide lamps. See lamp manufacturer's specification sheets.

2 Electrical Module¹:

HPS = High Pressure Sodium
 PMH = Pulse Start Metal Halide
 MH = Metal Halide
 IF = Induction Fluorescent
 PL = Compact Fluorescent

Lamp Watts	Lamp Type	Line Volts
150	PMH	277

100HPS120	150HPS120	100PMH120 ²	150PMH120 ²	175PMH120 ²	200PMH120	175MH120
100HPS208	150HPS208	100PMH208 ²	150PMH208 ²	175PMH208 ²	200PMH208	175MH208
100HPS240	150HPS240	100PMH240 ²	150PMH240 ²	175PMH240 ²	200PMH240	175MH240
100HPS277	150HPS277	100PMH277 ²	150PMH277 ²	175PMH277 ²	200PMH277	175MH277
100HPS347	150HPS347	100PMH347	150PMH347	175PMH347	200PMH347	175MH347
100HPS480	150HPS480	100PMH480	150PMH480	175PMH480	200PMH480	175MH480

85IF120 ²	4X42PL120 ²
85IF208 ²	4X42PL208 ²
85IF240 ²	4X42PL240 ²
85IF277 ²	4X42PL277 ²



PGL6 Series Electronic Ballasts
 All electronic ballasts are mounted on a hinged plate complete with quick-disconnect plugs for field and socket connections.

3 Optional G12 Socket:

For 150PMH only.

Cat. No.: **G12**

Optional G12 base socket available for 150 Watt Pulse Start Metal Halide lamp only, T-6 Bipin configuration. Must use UV filtering lamp.

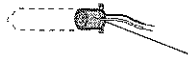
4 Optional Standby Lamping:

Cat. No.: **QS** or **FLS**

Available on PGL5 Series (magnetic ballast) only. For PGL6 Series (electronic ballast) consult factory.

Cat. No.: **QS**

Integral current sensing relay energizes a T-4 mini-can socket during lamp warm-up and after power interruption. Socket de-energizes prior to the H.I.D. lamp reaching full brightness. T-4 mini-can halogen lamp by others; 100 Watt maximum. **NOTE: Input amps will increase by .80 with this option. Not available on 85IF or 4X42PL lamp modes.**



Quartz Standby

Cat. No.: **FLS**

Integral current sensing relay energizes an integral fluorescent ballast during lamp warm-up and after power interruption. Ballast de-energizes prior to the H.I.D. lamp reaching full brightness. 22 Watt T-5 circular fluorescent lamp by others. **NOTE: Not available on 85IF or 4X42PL lamp modes.**



Fluorescent Standby

5 Optional Acrylic Refractor:

Cat. No.: **A**

Acrylic Refractor



Injection molded UV stabilized acrylic having the same prism design and optical characteristics as the standard Lexan[®] SLX. However, the overall depth is 1 1/2" greater than the standard refractor, and increases the luminaire efficiency by +6.5%.

6 Optional Tamper-Resistant Latches:

Cat. No.: **TS**

Tamper-Resistant Latch



Stainless steel captive hex socket (Allen) shoulder screws secure latches in locked position.

7 Optional Fusing:



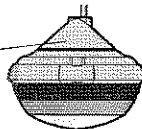
Line Volts:	120V	208V	240V	277V	347V	480V
Cat. No.:	SF	DF	DF	SF	SF	DF

Single Fuse

8 Optional Balanced Pendant Junction Box and Bird Shroud:

Cat. No.: **PB2**

Balanced Pendant Junction Box and Bird Shroud



Die-cast aluminum, finished to match the fixture electrical housing. Offset 3/4" NPT pendant entry to balance fixture in free-swinging installation. The Kim Speed Mount is furnished for fixture attachment to the PB2. This option is shipped separate from fixture.

9 Optional Trunnion Mount:

Cat. No.: **TB2**

Trunnion Mount



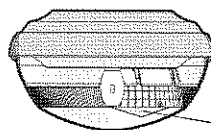
One-piece cast aluminum fixture mount utilizes the standard Kim speed mount for fixture attachment, and also serves as a Junction Box for field wire connections. Top of fixture mount casting has 1/2" N.P.T. to receive conduit from ceiling Junction Box. (Ceiling Junction Box and conduit to fixture by others.) Upper trunnion section is 1 1/2" aluminum bar with adjustable mounting positions in 1" increments. Suspends fixture from 8 1/2" to 13 1/2" below the ceiling, as measured to the fixture top. Finished to match fixture electrical housing.

10 Optional Houseside Shield:

Cat. No.: **HS**

Available only on:

PGL56 Series
PGL57 Series
PGL58 Series



Fabricated from aluminum sheet, and designed to cut off direct lamp light approximately one mounting-height behind the fixture. Attaches to bottom edge of the die-cast reflectors.

Houseside Shield

11 Lamp Included:

To order fixture with lamp included and installed, add "**Lamp Included**" suffix to catalog number. Will also include **QS** and **FLS** lamp when these options are specified.

SHIELD