KIM LIGHTING

Type:
Job:
Catalog number:

_____ / _____ / _____ / _____

Fixture   Electrical Module   Finish   Options
└─────── See page 2 ───────┘   See pages 3-4

Approvals:

Date:
Page: 1 of 5

Specifications

Maximum Fixture
Weight (150HPS) = 26 lb

13″
(330.2 mm)

7³⁄₈″
(187.3 mm)

6³⁄₁₆″
(157.2 mm)

8⁷⁄₈″
(225.4 mm)

14⁵⁄₈″
(371.5 mm)

4³⁄₄″ DIA.
Bolt Circle

6³⁄₄″
(171.5 mm)

5¼″
(133.4 mm)

3½″ DIA.
Bolt Circle
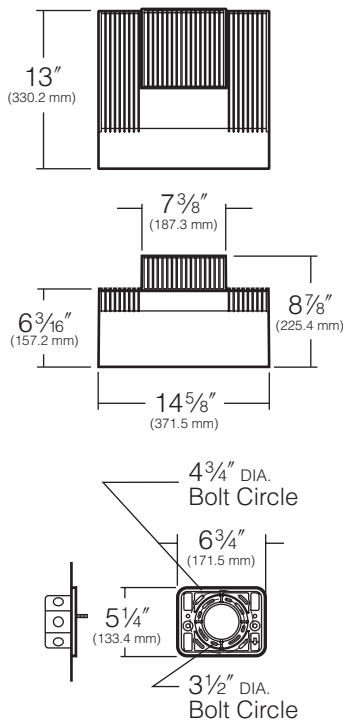
Mounting Plate
Attaches directly to any
standard 4″ J-box (by others)

4½″ (114.3 mm)
To J-box center
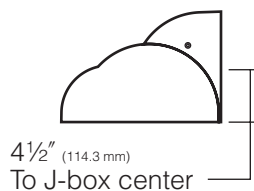
Reflector Housing: One-piece die-cast, low copper alloy (<0.6% Cu) aluminum with integral cooling fins. Rotates against ballast housing to provide 10° of adjustment with degree markers cast into the housing. At 0° adjustment, lens is totally concealed from view above horizontal with fixture aimed downward.

Ballast Housing: One-piece die-cast, low copper alloy (<0.6% Cu) aluminum with integral cooling fins. Fastens to mounting plate with keyhole slots freeing both hands for securing and wiring. One stainless steel socket-head screw on each side of housing frees the reflector housing to rotate for aiming. Tightening the screws locks the two housings together with sealing provided by a silicone gasket. For visual aiming, adjustment may be accomplished with the fixture on.

Lens Frame: One-piece die-cast, low copper alloy (<0.6% Cu) aluminum with integral hinges and stainless steel pins. Two stainless steel quarter-turn fasteners secure lens frame to reflector housing with sealing provided by a one-piece extruded and vulcanized silicone gasket. Lens is clear flat ³⁄₁₆″ thick tempered glass sealed to lens frame with a silicone gasket and retainer clips. For UP models, lens is mounted flush with frame for water run off, and is silicone sealed.

Type II, III, and IV Reflector Module: Specular Alzak® optical segments are rigidly mounted within a die-cast aluminum enclosure that attaches to the housing by a no-tool quick-disconnecting hinge and fastener. All sockets are porcelain medium base rated 4KV. All modules are factory prewired with a quick-disconnect plug for mating to the ballast. Available in three light distributions, all interchangeable within the same housing.

Wall Grazer Reflector Module: Specular Alzak® optical segment is rigidly formed into a self-contained module which attaches to the housing by a no-tool quick-disconnecting hinge and fastener. Black louver vanes run parallel to the lamp arc for controlling the hot spot directly behind the fixture, and spill light into the atmosphere. All sockets are porcelain medium base rated 4KV. All modules are factory prewired with a quick-disconnect plug for mating to the ballast.

Spot Reflector Module: Specular Alzak® optical spun parabola is rigidly mounted to a self-contained module which attaches to the housing by a no-tool quick-disconnecting hinge and fastener. Black internal louvers are provided to control the beam and prevent hot spots directly behind the fixture and spill light into the atmosphere. All sockets are porcelain medium base rated 4KV. All modules are factory prewired with a quick-disconnect plug for mating to the ballast.

Electrical Components: High power factor ballasts are rigidly mounted inside the housing and are factory prewired with a quick-disconnect plug for mating to the socket. Starting temperatures are –40°F for HPS lamp modes and –20°F for MH and PMH lamp modes.

Mounting Plate: Mounting plate attaches directly to any standard 4″ junction box. All mounting plates are die-cast aluminum with reinforced ribs. Two studs are provided in each plate with flange nuts to allow fixture mounting by keyhole slots. Sealant must be applied (by others) between mounting plate and mounting surface to insure a dry junction box.

Finish/Color: Super TGIC thermoset polyester powder coat paint, 2.5 mil nominal thickness, applied over a titanated zirconium conversion coating; A.S.T.M. 2500 hour salt spray test endurance rating. Standard colors are Black, Dark Bronze, Light Gray, Platinum Silver, or White. Custom colors are available.

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.
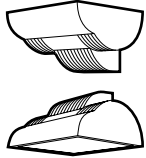
Listings and Ratings		
UL cUL 1598[1]	–	25C Ambient
IP66 Rated	CE	ISO 9001:2000

[1]Suitable for wet locations
KIM LIGHTING RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.
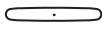
HUBBELL ®
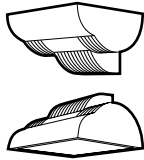**Hubbell Lighting, Inc.**

KIM LIGHTING

Type:

Job:

Standard Features

Fixture Cat. No. designates **WD14** fixture, Up (U) or Down (D) configuration, and light distribution (2, 3, 4, G or S).	WD Fixture Light Distribution: Cat. No.: (Up 14″) Cat. No.: (Down 14″)	Type II ☐ **WD14U2** ☐ **WD14D2**	Type III ☐ **WD14U3** ☐ **WD14D3**	Type IV ☐ **WD14U4** ☐ **WD14D4**	Wall Grazer ☐ **WD14UG** ☐ **WD14DG**	Spot ☐ **WD14US** ☐ **WD14DS**

Finish Super TGIC powder coat paint over a titanated zirconium conversion coating.	Color: Black Dark Bronze Light Gray Platinum Silver White ¹Custom Colors Cat. No.: ☐ **BL-P** ☐ **DB-P** ☐ **LG-P** ☐ **PS-P** ☐ **WH-P** ☐ **CC-P** ¹Custom colors subject to additional charges, minimum quantities and extended lead times. Consult representative. Custom color description: _____

KIM LIGHTING

Type:

Job:

Standard Features

Electrical Module

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

Lamp | Lamp | Line
Watts | Type | Volts

175 | **MH** | **277**

Lamp and electrical data supplied for reference purposes only. All initial lumen values shown may vary from one manufacturer to another. Consult lamp manufacturer's data for exact lumen and life data.

NOTE: For lamp/ballast information outside of the U.S.A. and Canada, please consult your local Kim representative.

Cat. Nos. for Electrical Modules available:

☐ **50PMH120**[4]	☐ **70PMH120**[4]	☐ **100PMH120**[4]	☐ **125PMH120**[4]	☐ **150PMH120**[4]
☐ **50PMH208**[4]	☐ **70PMH208**[4]	☐ **100PMH208**[4]	☐ **125PMH208**[4]	☐ **150PMH208**[4]
☐ **50PMH240**[4]	☐ **70PMH240**[4]	☐ **100PMH240**[4]	☐ **125PMH240**[4]	☐ **150PMH240**[4]
☐ **50PMH277**[4]	☐ **70PMH277**[4]	☐ **100PMH277**[4]	☐ **125PMH277**[4]	☐ **150PMH277**[4]
☐ **50PMH347**[4]	☐ **70PMH347**[4]	☐ **100PMH347**[4]		☐ **150PMH347**[4]
	☐ **70PMH480**[3,4]	☐ **100PMH480**[3,4]		☐ **150PMH480**[3,4]

Lamp	ED-17, Clear	ED-17, Clear	ED-17, Clear	ED-17, Clear	ED-17, Clear
Socket	Medium Base	Medium Base	Medium Base	Medium Base	Medium Base
ANSI Ballast	M148, M110	M143, M98	M140, M90	M150	M142, M102

☐ **175MH120**	☐ **70HPS120**	☐ **100HPS120**	☐ **150HPS120**
☐ **175MH208**	☐ **70HPS208**	☐ **100HPS208**	☐ **150HPS208**
☐ **175MH240**	☐ **70HPS240**	☐ **100HPS240**	☐ **150HPS240**
☐ **175MH277**	☐ **70HPS277**	☐ **100HPS277**	☐ **150HPS277**
☐ **175MH347**	☐ **70HPS347**	☐ **100HPS347**	☐ **150HPS347**
☐ **175MH480**[3]	☐ **70HPS480**[3]	☐ **100HPS480**[3]	☐ **150HPS480**[3]

Lamp	ED-17, or ED-28 Clear	T6 Clear G-12, ED-17 Clear	ED-17 Clear	T6 Clear, ED-17 Clear, or E-18 Clear
Socket	Medium Base or Mogul Base	G-12 Base, or Medium Base	Medium Base	G12 Base, Medium Base, or Mogul Base
ANSI Ballast	M-57	S-62	S-54	S-55

☐ **42PL120**[1]	☐ **57PL120**[1,2]	☐ **60PL120**[1,2]	☐ **70PL120**[1,2]	☐ **55IF120**
☐ **42PL208**[1]	☐ **57PL208**[1,2]	☐ **60PL208**[1,2]	☐ **70PL208**[1,2]	☐ **55IF208**
☐ **42PL240**[1]	☐ **57PL240**[1,2]	☐ **60PL240**[1,2]	☐ **70PL240**[1,2]	☐ **55IF240**
☐ **42PL277**[1]	☐ **57PL277**[1,2]	☐ **60PL277**[1,2]	☐ **70PL277**[1,2]	☐ **55IF277**

Lamp	Coated	Coated	Coated	Coated	Induction
Socket	GX24q-4 Base	GX24q-5 Base	2GB-1 Base	GX24q-6 Base	
ANSI Ballast					

[1] Multiple CFL lamp configurations (ie, two 42W lamps) are possible with certain optical systems. Consult factory for details.

[2] Remote battery pack and test switch available for 57W, 60W, and 70W CFL lamps - consult factory. "EM" option not available with 85W CFL, 55W IF, or 85W IF lamps.

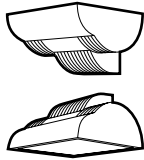[3] 480 volt with medium base lamp sockets may require approval by the local building code authority.

[4] **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 manufacturers' specification sheets.

WARNING: Fixtures must be installed and grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury. For lamp/ballast information outside of the U.S.A. and Canada, please consult your local Kim representative. Lamps by others.
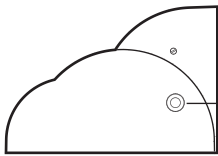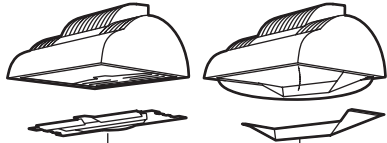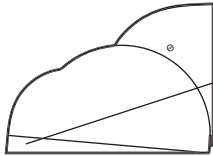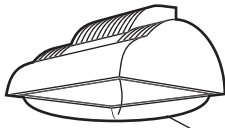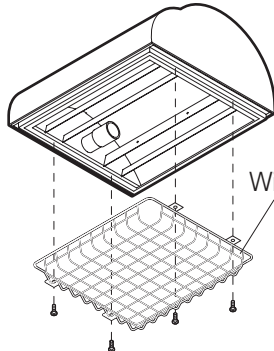
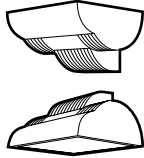**KIM LIGHTING**

Type:

Job:

Optional Features

Photocell Control
Cat. No.   **(see right)**
☐ **No Option**

Factory installed inside housing with fully gasketed sensor on side wall.

Cat. No.	Line Volts:	Cat. No.	Line Volts:
☐ **A-30**	120V	☐ **A-33**	277V
☐ **A-31**	208V	☐ **A-34**	480V
☐ **A-32**	240V	☐ **A-35**	347V

Photocell Control

Houseside Shield
Cat. No.   ☐ **HS**
☐ **HSC**
☐ **No Option**

Combination louver shield and black end-panel for reflector. Factory installed to reflector module. Reduces light toward wall by the amounts shown.

CAUTION: Do not use the Houseside Shield option with the Wall Grazer as it will interfere with the light distribution.

Approximate Light Reduction Toward Wall	Type II -43%	Type III -74%	Type IV -77%

HS for flat lens

HSC for Lexan® SLX enclosure

5° Shield
Cat. No.   ☐ **5DS14**
☐ **No Option**

Aluminum shield field-attached to lens frame. Maintains a horizontal cutoff fixture edge when the luminaire is tilted 5°. Finished to match the fixture.

5° Shield

Lexan® SLX Non-yellowing Enclosure:
Cat. No.   ☐ **SX**
☐ **No Option**

For DOWN fixture models only. Clear convex vacumm formed non-yellowing Lexan® SLX enclosure with gasket replaces standard tempered glass lens.

NOTE: Use only when vandalism is anticipated to be high. Useful life is limited by UV discoloration from sunlight and MH lamps. A program of regular inspection and periodic replacement is highly recommended to maintain optimum fixture performance.

Lexan® SLX enclosure

Wire Guard
Cat. No.   ☐ **WG14**
☐ **No Option**

11 ga. (.12″ dia.) BB Wire, (.75″ sq. welded mesh pattern,) 11⅜″ x 10¼″ x 1½″ deep. Finish is super TGIC thermoset polyester powder coat paint, over zinc plated wireform. Finished to mach the fixture.

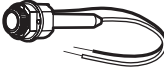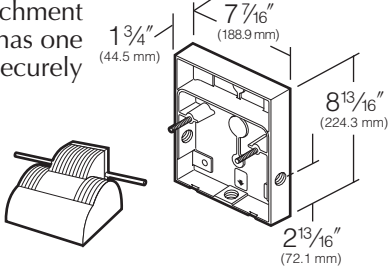**NOTE:** Only available with flat lens applications.

Wire Guard

5608706213

KIM LIGHTING

Type:

Job:

Optional Features

Fusing	Line Volts:	120V	208V	240V	277V	347V	480V
Cat. No. **(see right)**	Cat. No.:	☐ **SF**	☐ **DF**	☐ **DF**	☐ **SF**	☐ **SF**	☐ **DF**
☐ **No Option**							

Quartz Standby
Cat. No.   ☐ **QS**
        ☐ **No Option**

Integral electronic device energizes a T-4 mini-can socket during initial lamp start-up or after a power interruption. De-energizes prior to H.I.D. lamp reaching full brightness. T-4 halogen lamp by others; 100 watt maximum.

Surface Conduit Mount
Cat. No.   ☐ **SCM14U**
        ☐ **SCM14D**
        ☐ **No Option**

Cast aluminum junction box and fixture mount for attachment (by others) to existing walls, beams or columns. **SCM14** has one ¾″ NPT conduit tap in each side and bottom. Must be securely mounted to wall surface. Finished to match the fixture.

SCM14U for UP fixtures only.
SCM14D for DOWN fixtures only.

Note: Must be securely mounted to all surface.

1 ³⁄₄″ (44.5 mm)
7 ⁷⁄₁₆″ (188.9 mm)
8 ¹³⁄₁₆″ (224.3 mm)
2 ¹³⁄₁₆″ (72.1 mm)

Battery Back-up:
Cat. No.   ☐ **EM**
        ☐ **No Option**

Internal battery pack proivdes 90 minutes of supplement light at 750 lumens on 26, 32, or 42 watt compact fluorescent lamps. (Remote mounted battery pack also available for 57W, 60W, and 70W CFL - consult factory.)