

Type:
 Job:
 Catalog number:

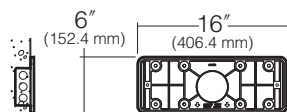
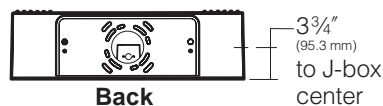
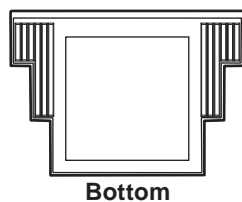
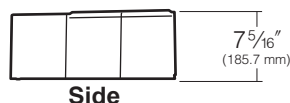
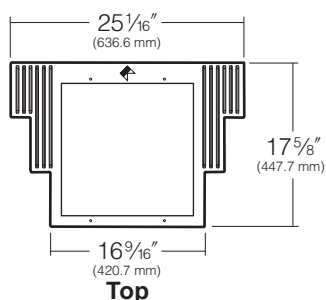
Approvals:

____ / ____ / ____
 Fixture Electrical Module Finish Options
 _____ See page 2 _____ See pages 3-4

Date:
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Specifications

150 to 400 watt
 Mogul Base Lamps



WC18 Mounting Plate

Must be securely attached to wall outside the J-box perimeter

Housing and Lens

The complete housing fastens to a mounting plate with keyhole slots freeing both hands for securing and wiring. Access to field splice is through back of housing.

For UP and UP/DOWN model: One-piece die-cast, low copper (<0.6% Cu) aluminum alloy. Lens (Up model) and top lens (Up/Down model) is flat 3/16" thick tempered glass mounted flush with top of housing for water run off, and is silicone sealed.

For DOWN model: Two-piece die-cast, low copper (<0.6% Cu) aluminum alloy. Top of housing is closed with a die-cast plate with cooling fins to dissipate heat. The top plate is secured by fasteners and sealed with silicone gasketing around the perimeter.

Access Door (UP model): One-piece die-cast, low copper (<0.6% Cu) aluminum alloy with integral stainless steel pin hinges. Two stainless steel thumb latches secure the frame to the housing.

Lens Frame (DOWN and UP/DOWN model): One-piece die-cast, low copper (<0.6% Cu) aluminum alloy with integral stainless steel pin hinges. Two stainless steel thumb latches secure the frame to the housing. Sealing is provided by a one-piece molded silicone gasket between the glass lens and the reflector flange. Clear flat lens is 3/16" thick tempered glass secured to lens frame with retainer clips.

Reflector Module

All sockets are mogul base rated 4KV with molded silicone lamp stabilizers. All models are factory prewired with quick-disconnect plug for mating to the ballast module.

For all models: Specular Alzak® optical segments rigidly mounted within a die-cast aluminum enclosure that attaches to the housing by stainless steel hinge and latches. The Wall Grazer and Spot systems include black louver vanes that run parallel to the lamp arc for controlling the hot spot directly behind the luminaire, and the spill light into the atmosphere.

Electrical Module: High power factor ballasts are mounted to a rigid aluminum tray and secured to the housing with screws and key hole slots. Factory prewired with quick-disconnect plugs for mating to the reflector module and incoming leads.

Mounting Plate: Standard mounting plate is attached to wall (by others) outside the junction box perimeter. All mounting plates are die-cast aluminum with reinforced ribs. Two studs are provided in each plate with flange nuts to allow luminaire mounting by key hole slots. Sealant must be applied (by others) between mounting plate and mounting surface to insure a dry junction box.

Finish/Color: Finish is 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, Stealth 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	CE	25C Ambient
	IP66 Rated	

¹Suitable for wet locations

KIM LIGHTING RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.



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Standard Features

Fixture

Cat. No. designates **WC18** fixture with:

▲ = Up Light Distribution
▼ = Down Light Distribution
n/a = not available



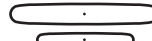
Type II



Type III



Type IV



Primary and
Secondary
Grazers



Primary and
Secondary
Spots



Asymmetric Flood



Ray

UP ONLY

▲ Type II

▲ Type III

▲ Type IV

Primary
▲ Grazer

Primary
▲ Spot

▲ Asymmetric Flood

▲ Ray¹



WC18U2

WC18U3

WC18U4

WC18UG

WC18US

n/a

n/a

DOWN ONLY

▼ Type II

▼ Type III

▼ Type IV

Primary
▼ Grazer

Primary
▼ Spot

▼ Asymmetric Flood

▼ Ray¹



WC18D2

WC18D3

WC18D4

WC18DG

WC18DS

n/a

n/a

UP / DOWN

▲ Type II

▲ Type III

▲ Type IV

Secondary
▲ Grazer

Secondary
▲ Spot

▲ Asymmetric Flood

▲ Ray^{1,2}



▼ Type II

n/a

n/a

n/a

WC18UGD2

WC18USD2

WC18UFD2

WC18URD2

▼ Type III

n/a

n/a

n/a

WC18UGD3

WC18USD3

WC18UFD3

WC18URD3

▼ Type IV

n/a

n/a

n/a

WC18UGD4

WC18USD4

WC18UFD4

WC18URD4

Secondary
▼ Grazer²

WC18U2DG

WC18U3DG

WC18U4DG

WC18UGDG

WC18USDG

WC18UFDG

WC18URDG

Secondary
▼ Spot²

WC18U2DS

WC18U3DS

WC18U4DS

WC18UGDS

WC18USDS

WC18UFDS

WC18URDS

▼ Asymmetric
Flood

WC18U2DF

WC18U3DF

WC18U4DF

WC18UGDF

WC18USDF

WC18UFDF

WC18URDF

¹ For colored up light ray beam, contact factory.

² Primary grazer or primary spot optics supplied when specified with the ray option. Secondary grazer or secondary spot optics supplied when specified in all other up/down combination configurations

Refer to the Kim Lighting Wall Commander Catalog for a complete matrix of available configurations.

Type:

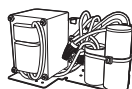
Job:

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Standard Features

Electrical Module **PMH** = Pulse Start Metal Halide
HPS = High Pressure Sodium



Lamp Watts	Lamp Type	Line Volts
250	PMH	277

Cat. Nos. for Electrical Modules available:

Pulse Start Metal Halide

	<input type="checkbox"/> 150PMH120	<input type="checkbox"/> 200PMH120	<input type="checkbox"/> 250PMH120	<input type="checkbox"/> 320PMH120	<input type="checkbox"/> 350PMH120	<input type="checkbox"/> 400PMH120
	<input type="checkbox"/> 150PMH208	<input type="checkbox"/> 200PMH208	<input type="checkbox"/> 250PMH208	<input type="checkbox"/> 320PMH208	<input type="checkbox"/> 350PMH208	<input type="checkbox"/> 400PMH208
	<input type="checkbox"/> 150PMH240	<input type="checkbox"/> 200PMH240	<input type="checkbox"/> 250PMH240	<input type="checkbox"/> 320PMH240	<input type="checkbox"/> 350PMH240	<input type="checkbox"/> 400PMH240
	<input type="checkbox"/> 150PMH277	<input type="checkbox"/> 200PMH277	<input type="checkbox"/> 250PMH277	<input type="checkbox"/> 320PMH277	<input type="checkbox"/> 350PMH277	<input type="checkbox"/> 400PMH277
	<input type="checkbox"/> 150PMH347	<input type="checkbox"/> 200PMH347	<input type="checkbox"/> 250PMH347	<input type="checkbox"/> 320PMH347	<input type="checkbox"/> 350PMH347	<input type="checkbox"/> 400PMH347
	<input type="checkbox"/> 150PMH480	<input type="checkbox"/> 200PMH480	<input type="checkbox"/> 250PMH480	<input type="checkbox"/> 320PMH480	<input type="checkbox"/> 350PMH480	<input type="checkbox"/> 400PMH480
Lamp	ED-28, Clear	T-15, Clear	ED-28, Clear	ED-28, Clear	ED-28, Clear	ED-28, Clear
Socket	Mogul Base	Mogul Base	Mogul Base	Mogul Base	Mogul Base	Mogul Base
ANSI Ballast Type	M-142 / M-102	M-136	M-138	M-154 / M-132	M-131	M-135 or M-155

High Pressure Sodium

	<input type="checkbox"/> 150HPS120	<input type="checkbox"/> 250HPS120	<input type="checkbox"/> 400HPS120
	<input type="checkbox"/> 150HPS208	<input type="checkbox"/> 250HPS208	<input type="checkbox"/> 400HPS208
	<input type="checkbox"/> 150HPS240	<input type="checkbox"/> 250HPS240	<input type="checkbox"/> 400HPS240
	<input type="checkbox"/> 150HPS277	<input type="checkbox"/> 250HPS277	<input type="checkbox"/> 400HPS277
	<input type="checkbox"/> 150HPS347	<input type="checkbox"/> 250HPS347	<input type="checkbox"/> 400HPS347
	<input type="checkbox"/> 150HPS480	<input type="checkbox"/> 250HPS480	<input type="checkbox"/> 400HPS480
Lamp	BT-23½, Clear	ED-18, Clear	ED-18, Clear
Socket	Mogul Base	Mogul Base	Mogul Base
ANSI Ballast Typ	S-55	S-50	S-51

NOTE: 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.

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 our local Kim representative. Lamps by others.

NOTICE: Due to the Energy Independence and Security Act (EISA) of 2007, Kim Lighting can no longer supply probe start metal halide ballasts with its luminaires, effective January 1, 2009. Contact Kim Lighting for availability of replacement ballasts for warranty service claims. (Visit www.aboutlightingcontrols.org or the Library of Congress website for more details).

Finish

Super TGIC powder coat paint over a titanated zirconium conversion coating.

Color: Black Dark Bronze Light Gray Stealth Gray® Platinum Silver White Custom Color¹
 Cat. No.: BL DB LG SG PS WH CC

¹Custom colors subject to additional charges, minimum quantities and extended lead times. Consult representative. Custom color description: _____


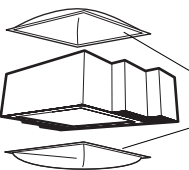
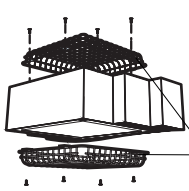
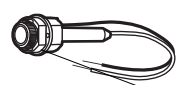


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Optional Features

<p>Photocell Control Cat. No. (see right) <input type="checkbox"/> No Option</p>	<p>Factory installed inside housing with fully gasketed sensor on side wall.</p> <table border="0"> <tr> <td>Cat. No.</td> <td>Line Volts:</td> <td>Cat. No.</td> <td>Line Volts:</td> </tr> <tr> <td><input type="checkbox"/> A-30</td> <td>120V</td> <td><input type="checkbox"/> A-33</td> <td>277V</td> </tr> <tr> <td><input type="checkbox"/> A-31</td> <td>208V</td> <td><input type="checkbox"/> A-34</td> <td>480V</td> </tr> <tr> <td><input type="checkbox"/> A-32</td> <td>240V</td> <td><input type="checkbox"/> A-35</td> <td>347V</td> </tr> </table>	Cat. No.	Line Volts:	Cat. No.	Line Volts:	<input type="checkbox"/> A-30	120V	<input type="checkbox"/> A-33	277V	<input type="checkbox"/> A-31	208V	<input type="checkbox"/> A-34	480V	<input type="checkbox"/> A-32	240V	<input type="checkbox"/> A-35	347V	 <p>Photocell Control</p>
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<input type="checkbox"/> A-32	240V	<input type="checkbox"/> A-35	347V															
<p>Lexan® non-yellowing enclosure Cat. No. <input type="checkbox"/> WC18LS <input type="checkbox"/> No Option</p>	<p>3/16" clear convex vacuum formed non-yellowing Lexan® enclosure with gasket. Mounts over glass lens to predrilled door frame holes. NOTE: Catalog number is for one enclosure. Order 2 enclosures for both up and down distributions</p>	 <p>Lexan® Enclosure</p>																
<p>Wire Guard Cat. No. <input type="checkbox"/> WC18WG <input type="checkbox"/> No Option</p>	<p>For use with all WC18 fixtures, UP or DOWN. 11 ga. (.12" dia.) BB Wire. (.75" sq. welded mesh pattern.) Finish is Super TGIC thermoset polyester powder coat paint, over zinc plated wireform. Finished to match the fixture. Only available with flat lens applications. NOTE: Catalog number is for one wire guard. Order 2 wire guards for both up and down distributions. WG18 = 15" x 14 1/2" x 1 1/2" deep</p>	 <p>Wire Guard</p>																
<p>Fusing Cat. No. (see right) <input type="checkbox"/> No Option</p>	<p>High temperature fuse holders factory installed inside the fixture housing. Fuse is included.</p> <table border="0"> <tr> <td>Line Volts:</td> <td>120V</td> <td>208V</td> <td>240V</td> <td>277V</td> <td>347V</td> <td>480V</td> </tr> <tr> <td>Cat. No.:</td> <td><input type="checkbox"/> SF</td> <td><input type="checkbox"/> DF</td> <td><input type="checkbox"/> DF</td> <td><input type="checkbox"/> SF</td> <td><input type="checkbox"/> SF</td> <td><input type="checkbox"/> DF</td> </tr> </table>	Line Volts:	120V	208V	240V	277V	347V	480V	Cat. No.:	<input type="checkbox"/> SF	<input type="checkbox"/> DF	<input type="checkbox"/> DF	<input type="checkbox"/> SF	<input type="checkbox"/> SF	<input type="checkbox"/> DF	 <p>Single Fuse</p>		
Line Volts:	120V	208V	240V	277V	347V	480V												
Cat. No.:	<input type="checkbox"/> SF	<input type="checkbox"/> DF	<input type="checkbox"/> DF	<input type="checkbox"/> SF	<input type="checkbox"/> SF	<input type="checkbox"/> DF												
<p>Quartz Standby Cat. No. <input type="checkbox"/> QS <input type="checkbox"/> No Option</p>	<p>Integral electronic device energizes a T-4 mini-can socket during initial lamp start-up or after a power interruption. De-energizes prior to HID lamp reaching full brightness. T-4 halogen lamp by others; 150W maximum.</p>	 <p>Quartz Standby</p>																
<p>Houseside Shield Cat. No. <input type="checkbox"/> HS <input type="checkbox"/> No Option</p>	<p>Up or down shield for Type II, III, and IV area optics only. Combination louver shield and black end-panel for reflector. Factory installed to reflector module. Reduces light toward wall by the following amounts. CAUTION: Do not use the houseside shield option with the grazer or spot as it will interfere with the light distribution.</p>	 <p>Houseside Shield</p>																

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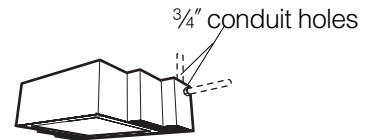


Optional Features

Direct Conduit Entries

Cat. No. DCE
 No Option

Two conduit locations provided on the housing, (1) on the side wall and (1) on top of housing for 3/4" conduit clearance.



Color Ray Kits

Each color ray kit includes (5) glass tile pieces, except for the multi-color kit which includes (5) of each color plus (5) clear, (30 pieces total).

Color: Amber Blue Green Red Yellow Multi-Color

Cat. No.: CRA CRB CRG CRR CRY CRM

Single or multi-color ray kits available.

NOTE: Ray colors and distributions may vary with reflector types, sources, and color temperatures. Not recommended for all lamp types. Contact factory for more information.

Easy and Flexible Field Installation: Simply arrange the color glass tiles into the slide channel and replace the retaining pin. Secure the reflector assembly back into the housing and latch the lens frame shut.

