



**KIM LIGHTING**

Minivault® **LTV769**  
Die-Cast Brass, 20W Pulse Start Metal Halide  
revision 8/15/11 • ltv769.pdf

**Type:**  
**Job:**  
**Fixture Catalog number:**

LTV769 / / /  
Fixture Optics Lamp Mode Option - order assembled with fixture  
See page 1 See page 2

**Fixture Options:**

Ordered separately from fixture  
See page 2

**Approvals:**

**Date:**  
**Page: 1 of 3**

## Specifications

**Lens Ring:** Die-cast brass, natural finish. (Optional standard stainless steel lens ring is also available.) Five captive 1/4" blackened stainless steel hex-socket cap screws.

**Lens:** Clear tempered soda lime, 3/16" thick, flush with lens ring, slightly crowned.

**Lens Gasket:** One-piece molded silicone, U-channel wraps completely around lens flange.

**Die-Cast Brass Housing:** Heavy wall die-cast brass.

**Integral Junction Box:** Die-cast brass with stainless steel flat head slotted screws and molded silicone gasket. Die-cast internal junction box cover with silicone gasket and anti-siphon plug, two 1/2" NPT taps in bottom, 12 cu in. volume.

**Optical System:** Spun specular Alzak® reflector. **SP** and **NF** spot or narrow flood. The reflector and socket are mounted to an adjustable yoke for aiming optics. Hex Cell Louver is installed behind lens as standard. Socket base: T4, G8.5 Bi-pin.

**Electrical Modules:** Solid state electronic 20 watt watt metal halide ballast, 120 through 277 volt input, high power factor, ballasts are rated -22° F starting.

**Wiring:** Anti-siphon barrier on wiring to and from splice compartment. All components wire linked for ground, quick-disconnect for removal of optical system.

**Drive-over Durability:** When installed in concrete, fixture will withstand drive-over by vehicles weighing up to 4,000 lbs.

## ORDERING INFORMATION

20 PMH 277  
Lamp Watts Lamp Type Line Volts  
PMH = Pulse Start Metal Halide

### Fixture

LTV769

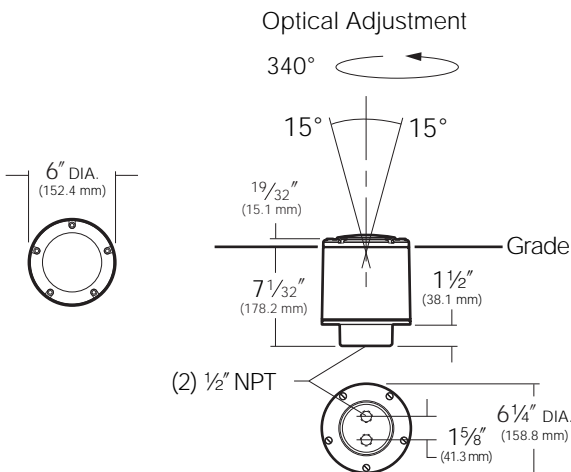
### Optics

- SP** Spot
- NF** Narrow Flood

Spun specular Alzak® reflector and socket for T-4, G8.5 Bipin base socket

### Lamp Mode

- 20PMH120**
- 20PMH208**
- 20PMH240**
- 20PMH277**



U.S. PATENTS D410,295 AND D411,640



See page 3 for installation, safety and warranty information.

Listings and Ratings		
UL cUL 1598 <sup>1</sup>	IP68 Rated	25C Ambient

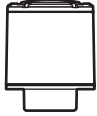
<sup>1</sup>Suitable for wet locations

KIM LIGHTING RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.

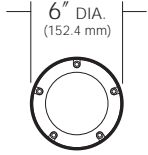
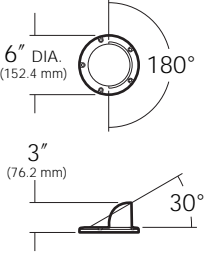
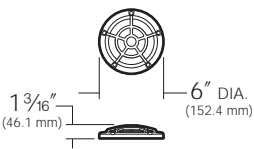
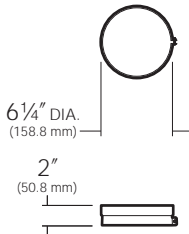
Type:

Job:

Page: 2 of 3



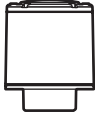
## Optional Features

<p><b>Brushed Stainless Steel Lens Ring</b></p> <p>Cat. No. <input type="checkbox"/> <b>SS60</b>  <input type="checkbox"/> <b>SS60 (Assembled)</b>  <input type="checkbox"/> <b>No Option</b></p>	<p>Brushed stainless steel lens ring replaces standard lens ring. Includes mounting screws.</p> <p>May be ordered separately. To order assembled with fixture, add to fixture <b>Cat. No.</b> - Example: <b>LTV769/xx/xxxxxxxx/SS60.</b></p> <p>Replaces standard lens ring.</p>	 <p>6" DIA. (152.4 mm)</p>
<p><b>Half Shield</b></p> <p>Cat. No. <input type="checkbox"/> <b>HS60</b>  <input type="checkbox"/> <b>HS60 (Assembled)</b>  <input type="checkbox"/> <b>No Option</b></p>	<p>Lens ring for directional glare control toward the viewer. One-piece cast bronze, replaces standard lens ring. Includes glass lens gasket and mounting screws.</p> <p>May be ordered separately. To order assembled with fixture, add to fixture <b>Cat. No.</b> - Example: <b>LTV769/xx/xxxxxxxx/HS60.</b></p> <p>Replaces standard lens ring.</p> <p><b>NOTE:</b> Cast bronze only.</p>	 <p>6" DIA. (152.4 mm)</p> <p>180°</p> <p>3" (76.2 mm)</p> <p>30°</p>
<p><b>Rock Guard</b></p> <p>Cat. No. <input type="checkbox"/> <b>RG60</b>  <input type="checkbox"/> <b>RG60 (Assembled)</b>  <input type="checkbox"/> <b>No Option</b></p>	<p>Lens ring for lens protection in vandal prone areas. One-piece cast bronze, replaces standard lens ring. Includes glass lens gasket and mounting screws.</p> <p>May be ordered separately. To order assembled with fixture, add to fixture <b>Cat. No.</b> - Example: <b>LTV769/xx/xxxxxxxx/RG60.</b></p> <p>Replaces standard lens ring.</p> <p><b>NOTE:</b> Cast bronze only.</p>	 <p>1 3/16" (46.1 mm)</p> <p>6" DIA. (152.4 mm)</p>
<p><b>Trim Ring</b></p> <p>Cat. No. <input type="checkbox"/> <b>TR60</b>  <input type="checkbox"/> <b>No Option</b></p>	<p>For flush mounting of fixture in concrete pad or paving. Brass ring clamps to housing with stainless steel screw.</p> <p><b>NOTE:</b> Brass only.</p>	 <p>6 1/4" DIA. (158.8 mm)</p> <p>2" (50.8 mm)</p>

Type:

Job:

Page: 3 of 3



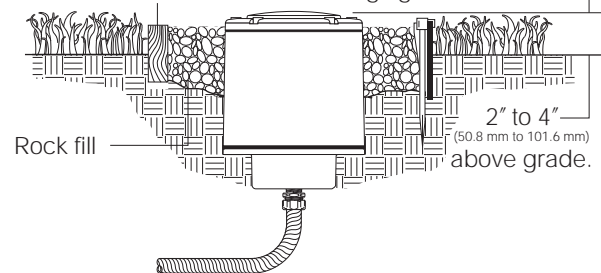
## Installation, Safety, and Warranty Information

### Create a Buffer Zone

When fixtures are located in areas planted in ground cover or shrubbery, construct a buffer zone to prevent lens overgrowth and to create an edge for trimming. Elevate the fixtures for drainage and backfill with decorative rock. As the ground cover grows, the fixtures will look flush even though they are 2" to 4" above grade.

### Buffer Zone

Redwood or other material for edging.

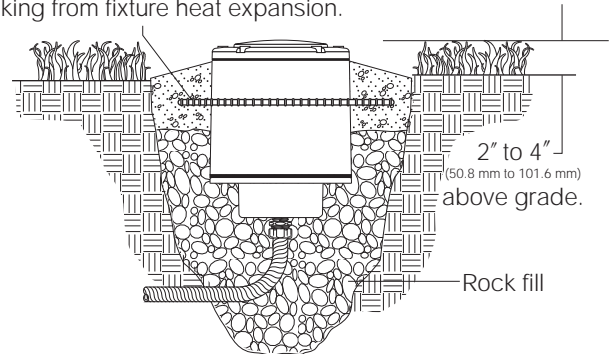


### Install in Concrete

For installations in ground cover, shrubbery or lawn areas, encase the fixture in concrete. This creates a buffer zone as described above with the additional advantage of greater fixture stability. Elevate the fixture 2" to 4" above grade, and slope the concrete away from the lens ring for drainage.

### Concrete Installation

Concrete must have reinforcing rods to prevent cracking from fixture heat expansion.



**NOTE:** Always use adequate rebar surrounding the fixture to prevent cracking of the concrete due to heat expansion.

### Safety and Maintenance Warning

1. Fixtures must be grounded in accordance with national, state, and/or local codes. Failure to do so may result in serious personal injury.
2. Extreme caution should be taken when fixtures are used in paved areas. High temperature lenses can burn feet, hands or objects inadvertently placed on top of fixtures. If fixtures must be used in paved areas, locate them away from normal pedestrian traffic, and use the lowest wattage lamp possible.
3. It is recommended that all conduit entries be sealed with RTV silicone to maintain a clean, dry splice compartment.
4. To maintain light efficiency and prevent fixture overheating, lenses must be kept clean and free of dirt, dust, leaves, and trash.
5. Minivault fixtures are not approved for any submersible installations including fountains, ponds, reflecting ponds or swimming pools.

### 25 Year Limited Warranty

When installed according to Kim Installation Instructions and accepted trade practices, the solid bronze on LTV Series Kim products is warranted for 25 years, from date of sale, against manufacturing defects and failure due to corrosion. All other fixture components (excluding lamps) are warranted to be free of defects in material and workmanship for 1 year from date of sale. During the warranty periods, with proof of purchase, Kim will repair or replace with the same or similar product, at Kim's option, without charge. Labor costs are the owner's responsibility and are excluded from this warranty. This warranty is void if the product is modified, tampered with, misapplied, poorly installed, improperly maintained or subjected to abnormal conditions.

Repair or replacement as provided under this warranty is the exclusive remedy of the purchaser. This warranty is in lieu of all other warranties, expressed or implied, including any implied warranty of fitness for the particular application. Kim Lighting shall not be liable to the purchaser for indirect or consequential damages.