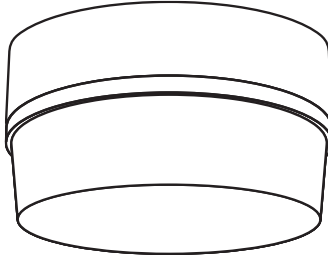


RAB®

VAN11 & 15 INSTALLATION INSTRUCTIONS



Thank you for buying RAB lighting fixtures. Our aim is to design the best quality products so you can get the job done right. We'd like to hear your comments. Call us at 888-RAB-1000, attention Marketing Department.

IMPORTANT

READ CAREFULLY BEFORE INSTALLING FIXTURE. RETAIN INSTRUCTIONS FOR FUTURE REFERENCE.

RAB Vandalproof fixtures must be wired in accordance with the National Electrical Code and applicable local codes. Proper grounding is required for safety THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED. Fixture should not be used in areas with limited ventilation or high ambient temperatures. Installation should be done by a qualified electrician.

WARNING: Make certain power is OFF before installing or maintaining fixture.

LOCATION

Fixture should be ceiling mounted; but should not be recessed.

MOUNTING

For Fluorescent and Incandescent models where no housing exists:

1. Remove refractor.
2. Mount reflector to junction box and/or wall surface with appropriate hardware.
3. Connect fixture leads to supply leads.
4. Install lamps and replace refractor.

For HID models and Fluorescent models with bronze ballast housing:

1. Remove refractor and reflector plate.
2. Remove knockouts in housing for desired conduit entrance (see mounting note below)
3. Connect fixture ballast leads to supply leads with wire nuts.
4. Replace socket mounting plate; install lamp and refractor.

NOTE: It is recommended that fixture be attached securely by drilling through the back of fixture and attaching to mounting surface (hardware not supplied). When drilling fixture, care must be taken to avoid drilling close to ballast or within 1/4" of sides of fixture. All unused entries must be plugged. Use weatherproof silicone sealant to insure proper seal.

TAMPERPROOF SCREWS

RAB Vandalproof fixtures are shipped with both standard screws and tamperproof screws.

For maximum security, insert tamperproof screws into the refractor and tighten with Center Pin Torx Screwdriver (catalog #Vandriver, not supplied).

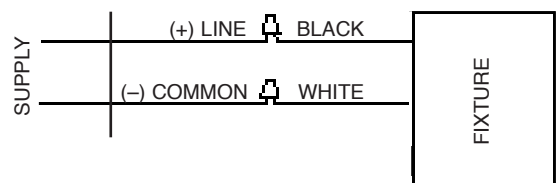


WIRING

IF SUPPLY WIRES ARE LOCATED WITHIN (3) INCHES OF BALLAST, USE WIRE RATED FOR AT LEAST 150°C.

IF SUPPLY WIRES ARE ROUTED AND SECURED MIN. (3) INCHES AWAY FROM BALLAST, USE WIRE RATED FOR AT LEAST 90°C.

1. Connect the 120v lead from ballast to the black supply lead.
2. Connect the "com" lead to white supply lead.
3. Fixture ground screw must be connected to supply ground.



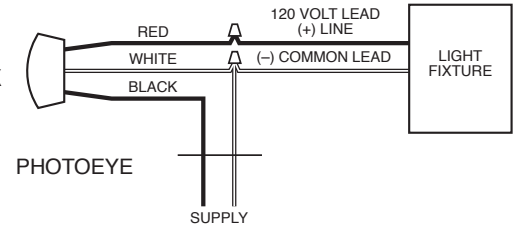
VAN11 & 15 INSTALLATION INSTRUCTIONS

PHOTOEYE INSTALLATION

For fixtures with ballast housing on a separate back box

A photoeye control may be installed in the field.

1. Remove reflector and socket mounting plate.
2. Remove close-up plug on desired side of fixture.
3. Install Photoeye as per diagram.



RE-LAMPING

Disconnect power. Make sure fixture and lamp are cool enough to touch.

1. Loosen screws holding refractor.
2. Remove refractor and install lamp.
3. Close refractor and re-install screws.

CAUTION: Prior to installing, check that the lamp is of proper type and wattage. Observe lamp manufacturer's recommendations on lamp operation, ballast type and burning positions.

REPLACEMENT LAMPS: HID

METAL HALIDE

Wattage	Catalog #	ANSI
50 watt	LMH50	M110
70 watt	LMH70	M98
100 watt	LMH100	M90

HIGH PRESSURE SODIUM

Wattage	Catalog #	ANSI
35 watt	LHPS35	S76
50 watt	LHPS50	S68
70 watt	LHPS70	S62
100 watt	LHPS100	S54
150 watt	LHPS150	S55

FLUORESCENT

Wattage	Type	Catalog #	Minimum Base Type	Start Temp.
26 watt	Triple fluorescent	LCFL26	G24q-3 base	0°F/ -18°C
32 watt	Triple fluorescent	LCFL32	G24q-3 base	0°F/ -18°C
42 watt	Triple fluorescent	LCFL42	G24q-4 base	0°F/ -18°C

INCANDESCENT

Wattage	Type	Base Type
120 watt	2-60W A-19	Medium
150 watt	2-75W A-19	Medium

CLEANING

CAUTION: Be sure power is off. Be sure fixture temperature is cool enough to touch.

Clean reflector and lens with a cloth moistened with non-abrasive glass cleaning solution.

TROUBLESHOOTING CHECKLIST

- 1. Proper lamp is installed. Lamp is not faulty.
- 2. Line voltage at the fixture is proper.
- 3. Fixture is wired properly.
- 4. Fixture is grounded properly.

THESE INSTRUCTIONS **DO NOT** COVER ALL DETAILS OR VARIATIONS IN EQUIPMENT, NOR DO THEY PROVIDE FOR EVERY POSSIBLE CONTINGENCY TO BE MET IN CONNECTION WITH INSTALLATION, OPERATION OR MAINTENANCE.

