



KILLARK®

INSTALLATION, OPERATION & MAINTENANCE DATA SHEET

(DBFE SERIES FLUORESCENT EMERGENCY LIGHTING
FIXTURES)



DBFE SERIES FLUORESCENT EMERGENCY LIGHTING FIXTURES

CAUTION:

Before installing, make sure you are compliant with area classifications, failure to do so may result in bodily injury, death and property damage. Do not attempt installation until you are familiar with the following procedures. All installation must comply with the applicable Electrical Code.

Make sure that the circuit is de-energized before starting installation or maintenance.

Verify that the installation is grounded. Failure to ground will create electrical shock hazards, which can cause serious injury and or death.

Technical information, advice and recommendations contained in these documents is based upon information that Killark believes to be reliable. All the information and advice contained in these documents is intended for use only by persons having been trained and possessing the requisite skill and know-how and to be used by such persons only at their own discretion and risk. The nature of these instructions is informative only and does not cover all of the details, variations or combinations in which this equipment may be used, its storage, delivery, installation, check out, safe operation and maintenance. Since conditions of use of the product are outside of the care, custody and control of Killark, the purchaser should determine the suitability of the product for his intended use, and assumes all risk and liability whatsoever in connection therewith.



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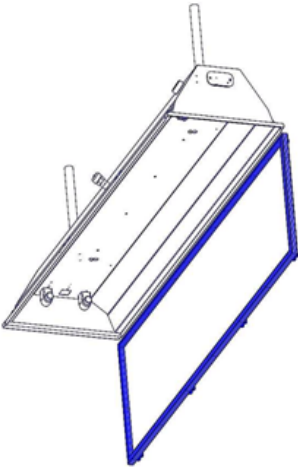
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1. IMPORTANT SAFEGUARDS - READ AND FOLLOW ALL SAFETY INSTRUCTIONS.

NOTE: Read this sheet carefully before beginning installation.

- Do not use this equipment for other than the intended use as specified on equipment nameplate.
- Turn off the supplying circuit before beginning installation, or performing any maintenance including relamping.
- Do not install near gas or electric heaters.
- Do not attempt to service the battery. The emergency ballast contains a sealed, no-maintenance battery. Contact manufacturer for information on replacements.
- Batteries must be recycled or disposed of properly.
- Servicing should be performed by qualified service personnel.
- Do not use this equipment for other than intended use.
- The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.
- The emergency ballast is for use with 4-ft. linear fluorescent lamp.
- Equipment should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel.

2. INSTALLATION



CAUTION: To prevent high voltage on red & yellow output leads prior to installation, inverter connector must be open. Join inverter connector after installation, then turn power on. To reduce the risk of electrical shock, disconnect the AC input and the inverter before servicing.

The emergency ballast must be connected to an unswitched power source (120/277 V).

NOTE: All installations must comply with the applicable local and/or National Electrical Code.

Important: Before installing, check the fixture nameplate to be sure you have the correct fixture. Verify ground continuity in the electrical system.

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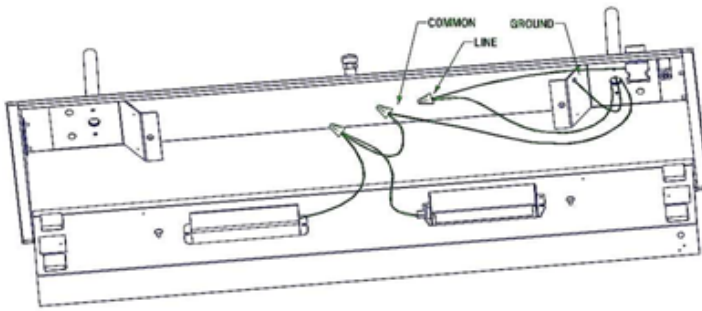
RIG POWER

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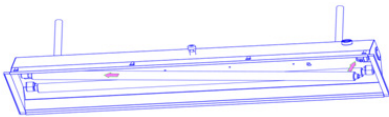
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Refer to nameplate for specific ambient and supply wire temperature rating



1. Securely install fixture to your hanger system. For various optional mounting configurations refer to installation, form number K1100.
2. Release latch tension on all 8 latches while supporting the lens door assembly. Carefully remove the latch bales from the catches on the lens frame, while still supporting the lens door assembly. **NOTE:** Only 4 of the latch bales are designed to be removed from the catches; the remaining 4 form a hinge, allowing the lens frame to be swung down and suspended during hookup and maintenance.
3. Carefully swing the lens frame down and allow it to be suspended from the hinge latches.
4. Loosen (approx. 4 turns) the 2 screws that secure the reflector plate, and slide it so the keyway slots allow the reflector to be lowered.
5. Carefully lower the reflector plate and allow it to hang from the suspension cables.
6. Pull the supply wires into the housing through the conduit hub and connect the leads to the appropriate ballast leads, using wirenuts. Connect the ground wire to the green screw in the reflector plate.
7. Connect the inverter connector. **CAUTION:** To prevent risk of possible electric shock make sure that you do not touch the non-insulated parts of the lamp receptacles during insertion of lamp fixture.
8. Reinstall the reflector plate, sliding it so that the keyway slots are in the secured position; then tighten the 2 screws.
9. To install proper lamp (as noted on nameplate), position one end of lamp in retractable lamp socket, push to compress socket spring and raise other end of lamp into position in the corresponding fixed lamp socket.
10. Reinstall the lens frame assembly by swinging it up slowly and reinstalling the latch bale

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loops in the catches on the lens frame assembly. When all 4 of the removable latch bales are reinstalled, close the latches, being careful to maintain proper alignment of frame to housing.

11. **NOTE:** Care must be taken not to damage seal or sealing areas on fixture during installation and maintenance procedures.
12. Turn **ON** the supplying circuit and test the fixture

3. OPERATION

When AC power is applied, the charging indicator light is illuminated, indicating that the battery is being charged. When power fails, the emergency ballast automatically provides at least 90 minutes of emergency lighting.

4. MAINTENANCE

As routine maintenance, this emergency fixture should be checked periodically to ensure proper operation. The following schedule is recommended.

1. Visually inspect the charging indicator light monthly. It must be illuminated.
2. Test operation of the circuit at 30 day intervals for a minimum of 30 seconds. The lamp should operate.
3. Conduct a 90 minute discharge test once a year. The lamp should operate for 90 minutes.

SAVE THESE INSTRUCTION SHEETS



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