DOCK-Leveler

Centralized panel integrates the controls of multiple devices, including:

- Dock leveler
- Vehicle restraint
- Dock door
- Dock shelter

Improves productivity and total dock safety
Interlock and interconnect options ensure equipment is used in the proper sequence to achieve its full capabilities.

Lower electrical installation costs
Each dock position is powered from a single branch circuit.

Clean and simple wall configuration
Dok-Commander box eliminates the need for multiple control boxes, while its narrow size allows for tight door centerlines.

Enhances safety during maintenance
Single optional lock-out/tag-out provision.

*Enhanced package
A Dok-Commander® system offers the ultimate in safety and productivity.
The Rite-Hite Dok-Commander Combination Control Panel is the cornerstone of our total dock safety system. Integrating the controls of multiple devices offers easier operation and helps provide optimum safety and productivity. It has the flexibility to interconnect your dock leveler and vehicle restraint, with options to integrate the door, lights and other power equipment. Rite-Hite is the innovator of dock safety systems, having built similar multi-product control panels on a custom basis since 1981.

Improved productivity and total dock safety.
Minimize confusion and the possibility of costly accidents or injuries. By interlocking your hydraulic leveler and vehicle restraint, the Rite-Hite Dok-Commander system ensures the two components operate in the proper sequence. It consolidates the controls of multiple components while using a single power source.

Simple, space-saving wall configuration.
By eliminating multiple control boxes and power lines on the wall, you not only simplify operations, but also make the best use of available wall space. Users appreciate the simplicity. Builders and architects appreciate the narrow dimensions that work great with tight door centerlines.

The right box for smart maintenance.
A lock-out/tag-out provision helps ensure that maintenance is performed under the safest possible conditions.

Reduced electrical installation costs.
Using a single power source means a single electrical run can serve all of your dock equipment. An integrated transformer is used if the components have different power needs, which eliminates the need for multiple power sources going to each dock position. On new construction, this can result in overall savings on electrical hardware and installation time.

Conforms with “Best Practice” guidelines.
The use of combination control packages is now recognized as a “best practice” by the AIAG (Automotive Industry Action Group).

Source: Optimization of Shipping and Receiving Systems Handbook, August 31, 1999
Build the Dok-Commander control panel to meet your specific needs.

The ultimate integrated control system can be different for every operation. It is important that you consider your specific needs and incorporate the features that work best for you. Using safety, ease of use and enhanced productivity as goals, consider these possibilities:

Integrate the controls of your dock leveler and vehicle restraint. This minimizes electrical installation costs and reduces the wall space required by multiple control boxes.

Consider the power needs by building in the flexibility to accommodate different voltage and phase requirements of your dock equipment.

Interlock the sequence of operations to optimize dock safety and productivity.
- Green Light Interlock – This disables use of the hydraulic leveler or overhead door controls until the restraint has achieved a safe engagement.
- Stored Leveler Interlock – Ensures the leveler is stored safely in lip keepers before the restraint is able to release the trailer.
- Overhead Door Interlock – Requires the overhead door to be opened prior to leveler operation.
- Hydraulic Leveler Interconnect – The vehicle restraint automatically engages upon activation of the dock leveler.

Incorporate secure maintenance power disconnects.
Allows for OSHA compliant lock-out/tag-out of all integrated components from a single source.

Include overhead door push-buttons.
Integrates the power controls of your new or existing dock door.

Incorporate dock light selector switch.
Puts the light switch directly on the control panel for convenient access.
The hub of a total dock safety system

While the controls are significant, it’s important to remember that an integrated dock system is only as good as the actual products driven by the controls. Nobody brings it all together like Rite-Hite. If you want the ultimate in lasting value and performance, choose a Dok-Commander combination control panel to get the most from all of these quality Rite-Hite products. Rite-Hite representatives will work with you to meet all of your application needs.

**FROMMELT® Dock Seals and Shelters**
Various top designs effectively maintain environmental control and protect products, equipment and personnel from weather-related hazards.

**SAFE-T-LIP® Levelers**
Integrated steel barrier helps prevent forklift drop-off accidents at vacant dock positions.

**Rite-Hite Sectional Doors**
Includes both traditional and fully impactable designs.

**Vehicle Restraints**
The most effective means of preventing problems caused by trailer separation accidents and vertical and horizontal trailer movement.

**Parts and Service**
A wide variety of aftermarket parts and service keeps your docks protected.
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## PRODUCT SPECIFIC WARRANTY

RITE-HITE® warrants the RITE-VU™ Light Communication System products for one-year parts and labor from date of shipment in accordance with Rite-Hite’s Standard Warranty Policy unless ordered with a Dok-Lok vehicle restraint. If the RITE-VU™ product(s) are ordered with a Dok-Lok vehicle restraint, the RITE-VU™ product(s) warranty will follow the corresponding Dok-Lok’s warranty.

### IMPORTANT

Read and understand contents of this manual prior to installation or operation of this equipment.

For best results, have this product serviced by your authorized RITE-HITE® representative.

## NOTICE TO USER

Your local RITE-HITE® representative provides a Planned Maintenance Program (P.M.P.) which can be fitted to your specific operation. Call your local representative or the RITE-HITE® Corporation at 414-355-2600.

The RITE-HITE® products in this manual are covered by one or more of the following U.S. patents: 4,865,507; 4,920,598; 4,995,130; 5,040,258; 5,271,183; 5,323,503; 5,375,965; 5,440,772; 5,442,825; 5,531,557; 5,546,623; 5,553,987; 5,582,498; 5,664,930; 5,702,223; 5,762,459; 5,882,167; 5,964,572; 6,010,297; 6,052,268; 6,065,172; 6,070,283; 6,074,157; 6,085,375; 6,092,970; 6,106,212; 6,116,839; 6,190,109; 6,220,809; 6,627,016; 6,238,163; 6,311,352; 6,318,947; 6,322,310; 6,360,394; 6,368,043; 6,431,819; 6,488,464; 6,497,076; 6,499,169; 6,505,713; 6,524,053; 6,634,049; 6,654,976; 6,766,360; 6,726,432; 6,773,221; 6,832,403; 6,880,301; 7,032,267; 7,062,814; 7,134,159; 7,213,285; 7,216,391 and pending U.S. and foreign patent applications. RITE-HITE®, LEVEL-RITE®, THINMAN™, SAFE-T-LIP®, HYDRACHEK®, WHEEL-LOK™, DOK-LOK®, DUAL-DOK®, SAFE-T-STRUT™, DOK-COMMANDER®, JUMBO™, HYDRA-RITE™, SAFE-T-GATE®, RITE-VU™ and SMOOTH TRANSITION DOK SYSTEM™, are trademarks of RITE-HITE® Corporation.
SAFETY WARNINGS

FIGURE 1 - LOCKOUT/TAGOUT

LOCKOUT/TAGOUT PROCEDURES
The Occupational Safety and Health Administration requires that, in addition to posting safety warnings and barricading the work area, the power supply has been locked in the OFF position or disconnected. It is mandatory that an approved lockout device is utilized. An example of a lockout device is illustrated. The proper lockout procedure requires that the person responsible for the repairs is the only person who has the ability to remove the lockout device.

In addition to the lockout device, it is also a requirement to tag the power control in a manner that will clearly note that repairs are under way and state who is responsible for the lockout condition. Tagout devices have to be constructed and printed so that exposure to weather conditions or wet and damp locations will not cause the tag to deteriorate or become unreadable.

RITE-HITE® Corporation does not recommend any particular lockout device, but recommends the utilization of an OSHA approved device (refer to OSHA regulation 1910.147). RITE-HITE® Corporation also recommends the review and implementation of an entire safety program for the Control of Hazardous Energy (Lockout/Tagout). These regulations are available through OSHA publication 3120.

- **DANGER**
  This is the highest level statement. Failure to follow the listed instructions will most likely result in severe injury or death.

- **CAUTION**
  The statements used with this level of warning deal with a safe operating procedure. If the procedure is ignored, the possibility of personal injury may exist.

- **WARNING**
  This is a statement of serious hazard. Failure to follow the listed instructions could place the individual at risk of serious injury or death.

- **IMPORTANT**
  IMPORTANT is used to draw attention to a procedure that needs to be followed to prevent machine or property damage.
INTRODUCTION

The RITE-VU™ Light Communication System, enhances Dok-Lok communication with line-of-sight notification. Rite-Vu is a detection and visual management warning system. It can include Corner-Vu, Pedestrian-Vu and Leveler-Vu. Rite-Vu creates a safer, more efficient, more productive environment.

The Rite-Vu system is comprised of three modular products: Corner-Vu, Leveler-Vu and Pedestrian-Vu.

FIGURE 2 - RITE-VU COMPONENTS
INTRODUCTION

Corner-Vu:

• Lights are located on each side of the upper corners of the interior dock door.
• Lights provide Dok-Lok status-at-a-glance to the lift truck operator before entering a trailer.
• Lights mirror the status of the inside light on the Dok-Lok control box.

Leveler-Vu:

• Lights are located on each side of the dock leveler in the Rite-Hite weatherseal channel at the rear hinge.
• Lights confirm the Dok-Lok status to the lift truck operator while inside the trailer.
• Lights provide a reference point for backing the lift truck out of the trailer.
• Lights mirror the status of the inside light on the Dok-Lok control box.

FIGURE 3 - CORNER-VU

FIGURE 4 - CORNER-VU COMPONENTS

FIGURE 5 - LEVELER-VU

FIGURE 6 - LEVELER-VU COMPONENTS
Pedestrian-Vu:

Visually communicates to pedestrians and other lift truck traffic if a Pedestrian-Vu transmitter equipped lift truck is inside the trailer, helping to prevent lift truck-pedestrian collisions and increase productivity.

- Amber lights located on each side of the dock door frame at eye level.
- Amber lights turn on when a Pedestrian-Vu transmitter equipped lift truck enters the trailer and notifies pedestrian and other lift truck traffic that the trailer is being serviced.
- Amber lights turn off when lift truck exits the trailer.

Pedestrian-Vu offers additional benefits for docks equipped with a Dok-Lok vehicle restraint.

- Dok-Lok can not be unlocked while Pedestrian-Vu transmitter equipped lift truck is inside of the trailer.

Pedestrian-Vu also alerts lift truck operators inside the trailer if the Dok-Lok is unlocked.

- Sounds a loud alarm inside the trailer.
- Switches the Dok-Lok light signals on the exterior of the dock from green to red, telling the truck driver it is unsafe to depart.
CORNER-VU INSTALLATION:

1. Assemble Corner-Vu light assemblies.
   a. Loosen all flat head screws on light assembly.
   b. Remove two flat head screws on side of assembly for bracket. Insert end of bracket and re-insert screws.
   c. Remove Filament Light Rod screw and insert rod so that the notch on rod will engage the screw.
   d. Re-insert Filament Light Rod screw and finger tighten only.
   f. Re-tighten all flat head screws.

2. Secure Corner-Vu light system to each upper corner of the door opening so the light bars are positioned just above door header and outside of door track as shown. The Corner-Vu light system comes with a set of mounting brackets. See Figures 10, 11, and 12.

NOTES:

a. Mounting surfaces vary. Be sure to use proper mounting hardware (supplied by others) when securing mounting brackets to door frame.

b. Verify Corner-Vu lights are clear of door operation or other obstructions.

3. Mount junction boxes above each corner of the door. Be sure junction boxes are close enough to installed components so all cables will reach. See Figure 13.

4. Route and secure cables for Corner-Vu system components. Plug cable ends into the junction box. See Figure 13.

5. Mount Rite-Vu control box, if equipped, in close proximity to the Dok-Lok control box, as equipped. Preferred mounting location is above the Dok-Lok control box. See page 16.

6. Complete electrical installation per electrical schematics and wiring diagram. See appropriate electrical section.

NOTES:

a. Only “drivers side” junction box is shown. Two junction boxes need to be mounted, one on each side of the door opening

b. Junction box shown is the combined Corner-Vu and Pedestrian-Vu junction box. Corner-Vu comes with a single plug junction box.
LEVELER-VU INSTALLATION INSTRUCTIONS

**WARNING**

- Make sure that the power source has been locked out and tagged according to OSHA regulations and approved local electrical codes.

**WARNING**

- Always barricade the area at ground level and dock level before performing installation.

LEVELER-VU INSTALLATION:

1. Verify pit clearance for Leveler-Vu light assemblies.
2. Verify Rite-Hite weatherseal channels are in good condition, Replace channels if required.
3. Remove any existing weather seal insert from weather seal channels on leveler.
4. Secure Leveler-Vu light system into each weather seal channel and slide to the rear of the leveler. Lights should be placed into each channel so the cable end of the light enters the channel first. See Figures 14 and 15.

NOTES:

a. Verify Leveler-Vu lights and cables are clear of leveler operation or other obstructions.

5. Mount junction box in leveler pit. Be sure junction box is close enough so both Leveler-Vu cables will reach. See Figure 16.

6. Route cables underneath dock leveler and confirm they are free to move during leveler operation without being damaged. Plug cable ends into the junction box.

7. Mount Rite-Vu control box, if equipped, in close proximity to the Dok-Lok control box, as equipped. Preferred mounting location is above the Dok-Lok control box. See page 16.

8. Complete electrical installation per electrical schematics and wiring diagram. See appropriate electrical section.
PEDESTRIAN-VU INSTALLATION INSTRUCTIONS

![FIGURE 18 - PEDESTRIAN-VU LIGHT]

### WARNING

- Make sure that the power source has been locked out and tagged according to OSHA regulations and approved local electrical codes.

### WARNING

- Always barricade the area at ground level and dock level before performing installation.

**PEDESTRIAN-VU INSTALLATION:**

1. Assemble Pedestrian-Vu light assemblies.
   a. Loosen all flat head screw on light assembly.
   b. Remove Filament Light Rod screw and insert rod so that the notch on rod will engage the screw.
   d. Re-insert Filament Light Rod screw and finger tighten only.
   c. Re-tighten all flat head screws.
   e. Attach bracket to side of light assembly with included hardware. DO NOT over tighten.

![FIGURE 17 - PEDESTRIAN-VU LIGHT ASSEMBLIES]

2. Secure Pedestrian-Vu light system to each side of the door opening. Position so the center of the light bar is about 6 feet from the ground on either side of the door opening as shown. The Pedestrian-Vu light system comes with a set of mounting brackets. See Figures 17 and 18.

3. Secure Pedestrian-Vu Infrared (IR) Receivers to each side of the door opening. Position so the receivers are at a height in-line with the lift truck transmitter mounted to lift truck (See Figure 22) and inside the door edge. Receivers must have un-obstructed view and point into the inside of a trailer positioned at the dock. Use supplied mounting brackets. See figures 19 and 20.

**NOTES:**

a. Mounting surfaces vary. Be sure to use proper mounting hardware (supplied by others) when securing mounting brackets to door frame.

b. Verify Pedestrian-Vu lights and receivers are clear of door operation or other obstructions.

PEDESTRIAN-VU INSTALLATION INSTRUCTIONS - CONT.

4. Mount junction boxes above each corner of the door. Be sure junction boxes are close enough to installed components so all cables will reach. See Figure 21.

5. Route and secure cables for Pedestrian-Vu system components. Plug cable ends into the junction box. See Figure 21.

6. Mount Rite-Vu control box in close proximity to the Dok-Lok control box, as equipped. Preferred mounting location is above the Dok-Lok control box. See page 16.

7. Attach Pedestrian-Vu Infrared (IR) Transmitter to the lift truck via two (2) mounting holes and hardware (accepts #6 size hardware, supplied by others). Attach so LED lights will have unobstructed view and point to the rear of the lift truck. See Figure 22, 23 and 24.

8. Wire Pedestrian-Vu Infrared (IR) Transmitter into lift truck so that power is supplied to the transmitter when the lift truck is on.

NOTES:

a. Pedestrian-Vu Infrared (IR) Transmitter requires D.C. voltage from 12 to 80 volts.

b. Center red LED lights when power is applied. Outer two LED’s will not light. See Figure 19.

c. Pedestrian-Vu Infrared (IR) Transmitter is polarity sensitive. If red LED does not light when power is applied, check ( + ) and ground wiring. Reverse if necessary.

d. Regenerative braking systems can sometimes create excessive voltage spikes. The Pedestrian-Vu Infrared Transmitter should be connected to a filtered power source or isolated from voltage spikes that exceed the rated voltage.
9. Mount lip pendant switch to dock leveler. Switch should be mounted so it is activated when lip is in the stored position.

10. Route switch cable underneath dock leveler and confirm it is free to move during leveler operation without being damaged.

11. Mount included danger warning signs in a visible location near the dock door opening.

12. Complete electrical installation per electrical schematics and wiring diagram. See appropriate electrical section.

NOTE:
Refer to electrical schematic of Rite-Vu control box for proper wiring.

FIGURE 25 - LIP PENDANT SWITCH MOUNTING
ELECTRICAL DETAILS WITH RITE-VU CONTROL BOX

ELECTRICAL DETAILS

1. Connect wiring as indicated by the Electrical Schematics and wiring diagram. See pages 16 – 21.

Control Box wiring installation guidelines - Temperature controlled applications.

NOTES:

a. Conduit should be routed to enter through the bottom or side of the Rite-Vu enclosure. A drip leg may be needed if the conduit could fill with water.

b. Seal the conduit in any location where the conduit transitions temperature zones that may produce condensation.

c. Spacers should be installed between the Rite-Vu enclosure and the wall to provide temperature insulation and air flow.

WARNING

• When working with electrical or electronic controls, make sure that the power source has been locked out and tagged according to OSHA regulations and approved local electrical codes.

CAUTION

• When drilling holes in the box, do not allow the drill to go too deeply into the box. Damage to the control systems may occur.

• DO NOT turn control box upside down to drill any access holes. Debris may fall into electrical components causing failure or severe equipment damage.

IMPORTANT

• The control box and all wiring should be installed by a qualified electrician in accordance with all national and local electrical codes.

IMPORTANT

• If rigid conduit is installed, bonding must be maintained between conduit connections by using ground bushings and a jumper wire.
NOTES:

1. Refer all installation and service to qualified personnel.
2. All conduit & fittings to be 3/4” minimum.
3. Wire per local electrical codes. 1” conduit may be required.
4. All components must be connected to a safety earth ground as required. This ground must conform to latest edition of NEC section 250.
5. For non-metallic enclosures, use grounding bushings on all conduit entering the control box. Install per manufacturer’s specifications. Use 8AWG green copper wire, 60°/75°C minimum, to ground bushings in enclosures where multiple conduit entrances are required.
6. Rite-Vu control box typically powered via vehicle restraint/light communication control box, as shown. Rite-Vu control box may be powered by a separate source per the electrical schematic if preferred, or if no restraint/communication control box exists.
7. This manual details all three available Rite-Vu components; However, system provided may include one, two or all of the components. Identify which components will be installed prior to planning electrical installation.
8. See specific electrical schematics provided with Rite-Vu control box for additional information, including wire labels.
9. Alternate routing to be determined by electrical installer. For example, wiring may be routed out the front of the pit.
10. Some vintage vehicle restraint models require two additional #18AWG wires to support the Pedestrian-Vu system. See electrical schematics provided with the Rite-Vu control box for details.
ELECTRICAL DETAILS WITH RITE-VU CONTROL BOX - CONT.

NOTES:

1. Refer all installation and service to qualified personnel.

2. Incoming power wiring to be minimum #14GA. 60°/75°C copper wire, insulated sufficiently for highest voltage that will be encountered.

3. All control field wiring to be minimum #18GA. 60°/75°C copper wire, insulated sufficiently for highest voltage that will be encountered.

4. All internal Rite-Vu control box wiring to be #18GA. minimum, 90°C, copper wire unless otherwise noted, Insulated sufficiently for incoming voltage.

5. Torque Requirements:
   - Power Terminal: 7.0 LB-IN.
   - Module Terminal: 4.4 LB-IN.

6. This manual details all three available Rite-Vu components; However, system provided may include one, two or all of the components. Identify which components will be installed prior to planning electrical installation.
**SEE NOTES 3 & 6**

**NOTE:** Continued From Previous Page
ELECTRICAL DETAILS WITH RITE-VU CONTROL BOX - CONT.

NOTES:

1. Wiring required when installing Corner-Vu and/or Leveler-Vu system(s).

2. See Chart below to determine wire label/color for your specific vehicle restraint.

3. If the vehicle restraint does not appear on the chart, or if the control box is a special design that does not match the chart, contact Rite-Hite for assistance, as required.

4. Connect to control panel inside lights on the back of the enclosure cover. Make connections shown using any approved means.

   a. It is recommended that the control box inside light common connection be made using a ring connector on the inside light housing common screw. See Figure 29, Detail “A1”.

<table>
<thead>
<tr>
<th>Control Box Inside Factory Wires</th>
<th>Powered Vehicle Restraint</th>
<th>Manual Restraint / Light Communication</th>
</tr>
</thead>
<tbody>
<tr>
<td>LDL-500 (G2/3)</td>
<td>LDL-500 (G3M)</td>
<td>ADL-400; VBR-400</td>
</tr>
<tr>
<td>A: Common Wire</td>
<td>14</td>
<td>14</td>
</tr>
<tr>
<td>B: Inside Red</td>
<td>12</td>
<td>1</td>
</tr>
<tr>
<td>C: Inside Green</td>
<td>13</td>
<td>13</td>
</tr>
</tbody>
</table>

FIGURE 29 - ELECTRICAL DETAILS “A1” AND “A2”

FIGURE 30 - CHART - INSIDE LIGHT WIRES / COLORS
ELECTRICAL DETAILS WITH RITE-VU CONTROL BOX - CONT.

**DETAIL B - DIP SWITCH POSITIONS**

**DIP SWITCH #1:** All Rite-Vu lights are flash/steady selectable using Dip Switch #1. See electrical schematic for location of Dip Switch on Rite-Vu Control Module.

<table>
<thead>
<tr>
<th>PIN POSITION</th>
<th>LIGHT CONTROLLED</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CORNER-VU RED</td>
</tr>
<tr>
<td>2</td>
<td>CORNER-VU GREEN</td>
</tr>
<tr>
<td>3</td>
<td>PEDESTRIAN-VU</td>
</tr>
<tr>
<td>4</td>
<td>LEVELER-VU RED</td>
</tr>
<tr>
<td>5</td>
<td>LEVELER-VU GREEN</td>
</tr>
<tr>
<td>6</td>
<td>SPARE</td>
</tr>
</tbody>
</table>

When in the “UP” position, corresponding Rite-Vu light will either follow the vehicle restraint/communication inside lights (where applicable) or flash. (Operation depends on Dip Switch #3, position 6. See below)

When in the “DOWN” position, corresponding Rite-Vu light will be solid at all times.

**DIP SWITCH #3:** See Table For Details

<table>
<thead>
<tr>
<th>PIN POSITION</th>
<th>LIGHT CONTROLLED</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>FACTORY USE (UP POSITION ONLY)</td>
</tr>
<tr>
<td>2</td>
<td>FACTORY USE (UP POSITION ONLY)</td>
</tr>
<tr>
<td>3</td>
<td>FACTORY USE (UP POSITION ONLY)</td>
</tr>
<tr>
<td>4</td>
<td>FACTORY USE (UP POSITION ONLY)</td>
</tr>
<tr>
<td>5</td>
<td>FACTORY USE - DIAGNOSTIC MODE (UP POSITION ONLY)</td>
</tr>
<tr>
<td>6</td>
<td>FOLLOW/FLASH SELECTOR FOR DIP SWITCH #1</td>
</tr>
</tbody>
</table>

**DIP SWITCH #3, POSITION 6:**

- **FOLLOW:** Rite-Vu lights will match restraint/communication inside lights.
- **FLASH:** Rite-Vu lights will always flash.

---

**FIGURE 31 - DIP SWITCH POSITIONS**

---

**FIGURE 32 - DIP SWITCHES ON MODULE**
NOTES:

1. Required when installing Pedestrian-Vu system at a dock position with Rite-Hite vehicle restraints or light communication systems. (Not required for Corner-Vu or Leveler-Vu systems)

2. Outside light interconnect: Outside light changes from green to red if lift truck equipped with Pedestrian-Vu Infrared (IR) Transmitter presence is detected.

3. Unlock interlock: Unlock button is disabled if lift truck equipped with Pedestrian-Vu Infrared (IR) Transmitter presence is detected. (Where applicable)

4. Details shown (page 21 & 22) are for existing equipment. For new equipment controls, reference electrical schematic provided with control box.

5. If the existing equipment does not appear as a detail, or if the control box is a special design that does not match any of the details, contact Rite-Hite for assistance, as required.

NOTE: See ‘Special or Alternate Installation’ for additional details.
INSTALL OPTIONS MODULE ON SUB PLATE:

1. Remove circuit board cover.
2. Temporarily remove cover stand-off labeled A, See Figure 34.
3. Gently slide the module in the direction shown to engage Options Module into CPU Module.
4. Install the 3 screws and 3 lock washers labeled B, which are provided with the circuit board. See Figure 34.
5. Re-install circuit board cover stand-off.
6. Re-install circuit board cover.
7. Make connections to Options Module per the electrical schematic.

**WARNING**

- When working with electrical or electronic controls, make sure that the power source has been locked out and tagged according to OSHA regulations and approved local electrical codes.

**IMPORTANT**

- **DO NOT** tilt board while installing. Pushing pins into connectors at an angle can pry the connector from the circuit board.
ELECTRICAL DETAILS WITHOUT RITE-VU CONTROL BOX

**WARNING**

- When working with electrical or electronic controls, make sure that the power source has been locked out and tagged according to OSHA regulations and approved local electrical codes.

**CAUTION**

- When drilling holes in the box, do not allow the drill to go too deeply into the box. Damage to the control systems may occur.

- DO NOT turn control box upside down to drill any access holes. Debris may fall into electrical components causing failure or severe equipment damage.

**IMPORTANT**

- The control box and all wiring should be installed by a qualified electrician in accordance with all national and local electrical codes.

**IMPORTANT**

- If rigid conduit is installed, bonding must be maintained between conduit connections by using ground bushings and a jumper wire.

**ELECTRICAL DETAILS**


**Control Box wiring installation guidelines - Temperature controlled applications.**

**NOTES:**

a. Conduit should be routed to enter through the bottom or side of the Rite-Vu enclosure. A drip leg may be needed if the conduit could fill with water.

b. Seal the conduit in any location where the conduit transitions temperature zones that may produce condensation.
NOTES:

1. Refer all installation and service to qualified personnel.

2. All conduit & fittings to be 3/4" minimum.

3. Wire per local electrical codes. 1" conduit may be required.

4. All components must be connected to a safety earth ground as required. This ground must conform to latest edition of NEC section 250.

5. For non-metallic enclosures, use grounding bushings on all conduit entering the control box. Install per manufacturer’s specifications. Use 8AWG green copper wire, 60°/75°C minimum, to ground bushings in enclosures where multiple conduit entrances are required.

6. This details Corner-Vu and Leveler-Vu components of the Rite-Vu system; however, system provided may include one or both of the components. Identify which components will be installed prior to planning electrical installation.

7. Alternate routing to be determined by electrical installer. For example, wiring may be routed out the front of the pit.
NOTES:

1. Wiring required when installing Corner-Vu and/or Leveler-Vu system(s).
   a. Wiring shown is for both systems. If only one of the systems is being installed, ignore details on the other.

2. These systems, as provided, are only compatible with new URC style vehicle restraints or light communication systems, or with field URC controls that have been updated with a new CPU Module which will be provided as necessary by Rite-Hite.

3. Connect to control panel inside lights on the back of the enclosure cover. Make connections shown using any approved means.

a. It is recommended that Rite-Vu light common(s) be connected to the control box inside light circuit common by using a ring connector(s) on the inside light housing common screw. See Figure 36, Detail "A2".

FIGURE 36 - ELECTRICAL DETAILS “A1” AND “A2”
ELECTRICAL DETAILS WITHOUT RITE-VU CONTROL BOX - CONT.

DETAIL B - NEW URC CPU MODULE INSTALLATION

If Rite-Vu system supplied by Rite-Hite did not include a URC CPU Module, ignore these instructions.

![Diagram of CPU Module Installation]

2. Remove CPU Module from sub plate.
   a. If applicable, Options Module must be removed prior to CPU Module. See Step 1.
   b. Remove circuit board cover.
   c. Disconnect wire harness from CPU Module.
   d. Remove the 4 screws, 4 lock washers and cover stand off labeled A. See Figure 37.
   e. Gently slide the module from the Power Module.

3. Install new CPU Module to Sub plate.
   a. Reverse the steps listed in step 2. Do not install circuit board cover yet if the Options Module is required. See step 4.

4. Re-install new Options Module to Sub plate.
   a. Reverse the steps listed in step 1.

5. Test new CPU Module
   a. Test vehicle restraint for proper operation.
   b. Run the restraint into a fault position.
      - inside red, outside red, horn
   c. Silence the horn.
      - inside lights alternate red & green, horn off
   d. If the lights alternate, the test is complete. If the red & green lights illuminate together, contact Rite-Hite for assistance.

IMPORTANT

• DO NOT tilt board while installing. Pushing pins into connectors at an angle can pry the connector from the circuit board.

IMPORTANT

• Ground yourself prior to touching the circuit boards. Use a grounding strap connecting yourself to a grounded surface. If ground strap is not available, touch the aluminum sub plate inside the control box prior to touching the circuit board.

INSTALL CPU MODULE ON SUB PLATE:

1. Remove Options Module from sub plate (if applicable).
   a. Remove circuit board cover.
   b. Remove all incoming wires from Options Module.
   c. Remove the 3 screws, 3 lock washers and cover stand off labeled B. See Figure 37.
   d. Gently slide the module from the CPU Module.
MAINTENANCE

### DANGER

Lockout/Tagout power to the trailer lift according to OSHA regulations and approved local codes before welding on the truck leveler.

### WARNING

Post safety warnings and barricade work area, at dock level and at ground level, to prevent unauthorized use of the dock position.

### SUGGESTED MAINTENANCE

**NOTE:** Your local RITE-HITE® representative provides a Planned Maintenance Program (P.M.P.) which can be fitted to your specific operation. Call your local representative.

**DAILY**

1. During normal operation, inspect all Rite-Vu system components for proper operation. If there are any broken or worn parts repair as needed.
SPECIAL OR ALTERNATE INSTALLATION ITEMS

LDL - MODIFY EXISTING OUTSIDE LIGHT WIRING:

1. Determine the best location to splice existing wire ‘15’. Wire ‘15’ is connected from the outside light assembly to the restraint junction box.

2. Pull (2) wires, labeled ‘OSGA’ & ‘OSG’ from the location selected in step 1 to the Rite-Vu Control Box.

3. Break wire ‘15’ at the location selected in step 1.

4. Determine which ‘15’ wire goes to the green light and connect to new wire labeled ‘OSGA’.

5. Determine which ‘15’ wire goes to the restraint and connect to new wire labeled ‘OSG’.

6. Connect ‘OSGA’ and ‘OSG’ wires to the terminal blocks in Rite-Vu Control Box.

7. Relabel the wires related to the new connections as required.

UNLOCK INTERLOCK NOTE:

1. Remove wire from unlock button and connect Rite-Vu relay in series with button as shown.
SPECIAL OR ALTERNATE INSTALLATION ITEMS - CONT.

SDL - MODIFY EXISTING OUTSIDE LIGHT WIRING:

1. Connect new ‘OSR’ wire from Rite-Vu Controls to SDL terminal 40. (Keep existing wire in terminal 40.)
2. Remove field wire ‘41’ from SDL terminal 41.
3. Connect field wire ‘41’ to new ‘OSGA’ wire from Rite-Vu controls using approved method. Relabel ‘41’ as ‘OSGA’.
4. Connect new ‘OSG’ wire from Rite-Vu controls to SDL terminal 41.
5. Relabel the wires related to the new connections as required.

UNLOCK INTERLOCK NOTE:

1. If existing wiring terminates in 10 and 20, wire new ‘ITLA’ and ‘ITLB’ wires in parallel with existing wiring.
2. **IMPORTANT:** SDL uses the normally open contact on K2.
SPECIAL OR ALTERNATE INSTALLATION ITEMS - CONT.

**WARNING**

- When working with electrical or electronic controls, make sure that the power source has been locked out and tagged according to OSHA regulations and approved local electrical codes.

**ADL-400/VBR-400 - MODIFY EXISTING OUTSIDE LIGHT WIRING:**

1. Temporarily remove field wire ‘OR’ from the control module.
2. Place a Y-terminal on module terminal OR.
3. Reconnect existing ‘OR’ wire to control module terminal OR.
4. Connect new ‘OSR’ wire from Rite-Vu controls to control module terminal OR.
5. Remove field wire ‘OG’ from control module.
6. Connect field wire ‘OG’ to new ‘OSGA’ wire from Rite-Vu controls using approved method.
7. Connect new ‘OSG’ wire from Rite-Vu controls to control module terminal OG.
8. Relabel the wires related to the new connections as required.

**UNLOCK INTERLOCK NOTE:**

1. Wire new ‘ITLA’ and ‘ITLB’ wires in series with existing device(s).
SPECIAL OR ALTERNATE INSTALLATION ITEMS - CONT.

**WARNING**

- When working with electrical or electronic controls, make sure that the power source has been locked out and tagged according to OSHA regulations and approved local electrical codes.

**MANUAL / LIGHT COMM. - MODIFY EXISTING OUTSIDE LIGHT WIRING:**

1. Connect new ‘OSR’ wire from Rite-Vu controls to control box wire ‘1’ using approved method.

2. Remove field wire ‘3’ from toggle switch terminal 3.

3. Connect field wire ‘3’ to new ‘OSGA’ wire from Rite-Vu controls using approved method. Relabel ‘3’ as ‘OSGA’.

4. Connect new ‘OSG’ wire from Rite-Vu controls to SDL terminal 3.

5. Relabel the wires related to the new connections as required.

**UNLOCK INTERLOCK NOTE:**

1. Not available
RITE-VU REPLACEMENT PARTS

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<th>Item</th>
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<th>Part Number</th>
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<td>Corner-Vu Light Assembly</td>
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<td>3</td>
<td>6</td>
<td>Filament Light Rod</td>
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<td>Amber LED Light Bulb - Pedestrian-Vu</td>
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<td>Pedestrian-Vu Light Assembly</td>
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<td>IR Receiver Assembly</td>
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<td>1</td>
<td>IR Transmitter Assembly</td>
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<td>Rotary Limit Switch Assembly</td>
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<td>9</td>
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<td>Leveler-Vu Red/Green LED Light Assembly - Left</td>
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<td>10</td>
<td>1</td>
<td>Leveler-Vu Red/Green LED Light Assembly - Right</td>
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## MOUNTING BRACKET REPLACEMENT PARTS

**Corner-Vu Light Mounting Brackets**

**Pedestrian-Vu Light Mounting Brackets**

**Pedestrian-Vu Receiver Mounting Brackets**

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<td>Nut .250-20 HEX SERR FLG ZP</td>
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<td>Spring</td>
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<td>Nut Well #10-32 Grip RNG (.312-.643)</td>
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<td>Formed Bracket 2.63 x 1.25 x .134 x 4L 5Hole</td>
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## RITE-VU CONTROL BOX REPLACEMENT PARTS

**Detail A:**
Panel with Rite-Vu Circuit Board removed

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<td>Decal - Cover 10 x 8 Rite-Vu</td>
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<td>Decal - Warning Lockout / Tagout</td>
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<td>Decal - Dip Sw Position Rite-Vu Mod</td>
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<td>Decal - FU RPL CB Rite-Vu</td>
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<td>Decal - Volt/Ph/FLA CB Rite-Vu</td>
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<td>Panel Drilled 10 x 8 CB Rite-Vu</td>
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<td>Module Rite-Vu 12VDC 10in/10out</td>
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<td>Fuse Holder 1P 30A 300V</td>
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<td>Term Crp Conn .156 18-24AWG</td>
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<td>Screw #6-32 x .75 Rd Hd ZP</td>
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<td>30</td>
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### JUNCTION BOX REPLACEMENT PARTS

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<td>Corner-Vu Junction Box Assembly - Complete</td>
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<td>Leveler-Vu Junction Box Assembly - Complete</td>
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<td>Combined Pedestrian-Vu / Corner-Vu J-Box Assembly - Complete</td>
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<td>JBox 4.68Sq 2.12D (Does Not Includes Cover)</td>
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<td>JBox Cover Flat Galv. (Item Not Shown)</td>
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<td>Enclosure 4 x 4 x 2 N4XF SCR (Includes Cover - Not Shown)</td>
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## DANGER SIGN REPLACEMENT PARTS

![DANGER Sign Diagram]

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<td>Sign Danger Collision Hazard - Pedestrian-Vu</td>
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</table>
RITE-HITE® STANDARD WARRANTY

Rite-Hite® warrants that its products will be free from defects in design, materials, and workmanship for a period of 365 days from the date of shipment. All claims for breach of this warranty must be made within 30 days after the defect is or can, with reasonable care, be detected and in no event no more than 30 days after the warranty has expired. In order to be entitled to the benefits of this warranty, the products must have been properly installed, maintained, and operated within their rated capacities and/or specified design parameters, and not otherwise abused. Periodic lubrication and adjustment is the sole responsibility of the owner. This warranty is rite-hite’s® exclusive warranty. Rite-Hite® expressly disclaims all implied warranties, including the implied warranties of merchantability and fitness. Non-standard warranties, if any, must be specified by Rite-Hite® in writing.

In the event of any defects covered by this warranty, Rite-Hite® will remedy such defects by repairing or replacing any defective equipment or parts, bearing all the costs for parts, labor, and transportation. This shall be the exclusive remedy for all claims whether based on contract, negligence, or strict liability.

LIMITATION OF LIABILITY

RITE-HITE® SHALL NOT IN ANY EVENT BE LIABLE FOR ANY LOSS OF USE OF ANY EQUIPMENT OR INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY KIND, WHETHER FOR BREACH OF WARRANTY, NEGLIGENCE, OR STRICT LIABILITY.

Global Sales & Service Office:
RITE-HITE®
8900 N. Arbon Drive
P.O. Box 245020
Milwaukee, Wisconsin 53224
Phone: 414-355-2600
1-800-456-0600
www.ritehite.com
Representatives in all Major Cities


**State-of-the-Art Energy Efficiency and Safety**

- Optimum brightness for entire length of trailer
- Built-in heat dissipation - always cool to the touch
- "Go Green" product solution with energy rebate potential

**Rugged Design**

- Impact resistant, clear acrylic cover
- Meets food facility requirements for "no glass"
- Housing made of die-cast aluminum with an ABS spacer ring

**Reduced Maintenance**

- Eliminates light bulb replacement and/or clean-up
- Upgrade kit minimizes installation time by reusing existing arms

**Specifications**

- 15 watts
- Minimum life of 50,000 hours at 70% lumen maintenance
- 5 high intensity LED emitters
- Heavy duty 14 gauge, 1-½" square steel arms
- Safety yellow, powder coated finish
- Patented and patents pending
- Non-corrosive and UL listed
- 5-year warranty

*This could be the last dock light you will ever need*

Custom engineered for the toughest loading docks
Incandescent 150 watt dock light

Rite-Hite HD-LED 15 watt dock lights provide a brighter light into the trailer, helping create a safer work environment while using less energy.

Flexible arm springs back from overhead door and fork truck impacts.
HD-LED DOCK LIGHT

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SAFETY WARNINGS ................................................................. 3
INSTALLATION INSTRUCTIONS ................................................... 4
WARRANTY .................................................................................. 8

PRODUCT INTRODUCTION
Thank you for purchasing the HD-LED Dock Light from RITE-HITE CORPORATION.

NOTICE TO USER
Your local RITE-HITE CORPORATION Representative provides the Planned Maintenance Program (P.M.P.) which can be fitted to your specific operation. Call your local representative or RITE-HITE CORPORATION at 1-414-355-2600 or toll free at 1-800-456-0600.

The RITE-HITE® products in this manual are covered by one or more of the following U.S. patents: 4,560,315 (RE: 32,968); 4,634,334; 4,692,755; 4,744,121; 4,819,770; 4,843,373; 4,865,507; 4,920,598; 4,995,130; 5,040,258; 5,111,546; 5,212,846; 5,271,183; 5,299,386; 5,311,628; 5,323,503; 5,375,965; 5,440,772; 5,442,825; 5,453,735; 5,531,557; 5,546,623; 5,553,987; 5,582,498; 5,664,930; 5,702,223; 5,762,459 (RE: 37,570); 5,882,167; 5,964,572; 6,010,297; 6,052,268; 6,065,172; 6,070,283; 6,074,157; 6,085,375; 6,092,970; 6,106,212; 6,116,839; 6,190,109; 6,220,809; 6,267,016; 6,238,163; 6,322,310; 6,311,352; 6,360,394; 6,368,043; 6,431,819; 6,488,464; 6,497,067; 6,499,169; 6,505,713; 6,524,053; 6,634,049; 6,654,976; 6,676,360; and pending U.S. and foreign patent applications. RITE-HITE®, LEVEL-RITE®, THINMAN™, SAFE-T-LIP®, HYDRACHEK®, WHEEL-LOK™, DOK-LOK®, DUAL-DOK®, SAFE-T-STRUT™, DOK-COMMANDER®, JUMBO™ and SAFE-T-GATE® are trademarks of RITE-HITE® Corporation.

Other Patents are pending.
SAFETY WARNINGS

WARNING

When working with electrical or electronic controls, make sure that the power source has been locked out and tagged according to OSHA regulations and approved local electrical codes.

LOCKOUT/TAGOUT PROCEDURES

The Occupational Safety and Health Administration requires that, in addition to posting safety warnings and barricading the work area, the power supply has been locked in the OFF position or disconnected. It is mandatory that an approved lockout device is utilized. An example of a lockout device is illustrated. The proper lockout procedure requires that the person responsible for the repairs is the only person who has the ability to remove the lockout device.

In addition to the lockout device, it is also a requirement to tag the power control in a manner that will clearly note that repairs are under way and state who is responsible for the lockout condition. Tagout devices have to be constructed and printed so that exposure to weather conditions or wet and damp locations will not cause the tag to deteriorate or become unreadable.

RITE-HITE® Corporation does not recommend any particular lockout device, but recommends the utilization of a device that meets OSHA standards (refer to OSHA regulation 1910.147). RITE-HITE® Corporation also recommends the review and implementation of an entire safety program for the Control of Hazardous Energy (Lockout/Tagout). These regulations are available through OSHA publication 3120.

DANGER

This is the highest level statement. Failure to follow the listed instructions will most likely result in severe injury or death.

CAUTION

The statements used with this level of warning deal with a safe operating procedure. If the procedure is ignored, the possibility of personal injury may exist.

WARNING

This is a statement of serious hazard. Failure to follow the listed instructions could place the individual at risk of serious injury or death.

IMPORTANT

IMPORTANT is used to draw attention to a procedure that needs to be followed to prevent machine or property damage.
INSTALLATION INSTRUCTIONS

READ ALL INSTRUCTIONS

WARNING

When using portable luminaires, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and personal injury, including the following: Use quality safety glasses and leather gloves. Always read and follow all safety instructions included with all power tools. This unit is intended to be installed in dry or damp locations only.

CAUTION

RISK OF ELECTRICAL SHOCK

IMPORTANT

Connect power using only the cord that is provided with the unit.

When an IEC 320 C14 hooded male cord is provided with the unit it is to be plugged into the existing Dock Light Support arm.

WARNING

Use only three-wire outdoor extension cords that have three-prong grounding plugs and grounding receptacles that accept the appliance’s plug.

IMPORTANT

There are no serviceable parts in the fixture head.

WARNING

Use only with an extension cord for outdoor use, such as an extension cord of cord type SW, SW-A, SOW, SOW-A, STW, STW-A, STOW, STOW-A, SJW, SJW-A, SJOW, SJOW-A, SJTW, SJTW-A, or SJTOW, SJTOW-A.

IMPORTANT

PLEASE SAVE ALL INSTRUCTIONS
INSTALLATION INSTRUCTIONS

Remove the parts from the box and insure all parts are present. Consult factory if the proper parts were not received.

WALL MOUNTING
Measure to locate the proper mounting location. Recommended mounting height is approximately 80 inches from the floor and 12-18 inches from the edge of the door opening. Drill four holes using the base plate as a template.
If mounting to a solid surface, it is advisable to use 3/8 inch lag bolts or screws with lead anchors. If the light is to be mounted to a hollow wall with no access to the back side, toggle bolts with expansion wings should be used. If mounted on a hollow wall where you do have access to the back side, use 3/8 inch bolts with large thrust washers under the nuts on the back side of the wall.

INSTALLATION OF THE LIGHT HEAD
Insert the bolt from the light head up through the hole in the end of the HD-LED Dock Light arm and install the washer and nut. Tighten so that it is secure but still allows the head to rotate. Plug the electrical cord extending from the head into the receptacle on the support arm.

ELECTRICAL
The HD-LED Dock Light comes standard with a standard 3 prong US style plug. Insert this into any standard 110 V outlet.
# HD-LED DOCK LIGHT

## PARTS

### COMPLETE ASSEMBLIES

Complete HD LED HD-LED Dock Light

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>133145</td>
<td>HD LED Docklight 40L Arm</td>
</tr>
<tr>
<td>133146</td>
<td>HD LED Docklight 60L Arm</td>
</tr>
<tr>
<td>133147</td>
<td>HD LED Docklight 90L Arm</td>
</tr>
</tbody>
</table>

### REPLACEMENT PARTS

#### Light Heads

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>133028</td>
<td>5 LED Head</td>
</tr>
</tbody>
</table>

#### Arm Assemblies

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>31873</td>
<td>40&quot; Arm Assembly - US Plug</td>
</tr>
<tr>
<td>32408</td>
<td>60&quot; Arm Assembly - US Plug</td>
</tr>
<tr>
<td>32005</td>
<td>90&quot; Arm Assembly - US Plug</td>
</tr>
</tbody>
</table>

## IMPORTANT

There are no serviceable parts in the fixture head.
RITE-HITE® CORPORATION WARRANTY

RITE-HITE® Corporation warrants that its HD-LED Dock Light, will be free from defects in design, materials and workmanship for a period of one (1) year from the date of shipment. The light head is covered by a 5 year limited warranty. All claims for breach of this warranty must be made within thirty (30) days after the defect is or can, with reasonable care, be discovered to be entitled to the benefits of this warranty, the products must have been properly installed, maintained, operated within their rated capacities, and not otherwise abused. Periodic lubrication and adjustment is the sole responsibility of the owner. This warranty is RITE-HITE® Corporation's exclusive warranty. RITE-HITE® CORPORATION EXPRESSLY DISCLAIMS ALL IMPLIED WARRANTIES INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. Non-standard RITE-HITE® Corporation warranties, if any, must be specified by RITE-HITE Corporation in writing.

In the event of any defects covered by this warranty, RITE-HITE® Corporation will remedy such defects by repairing or replacing any defective equipment or parts, bearing all of the costs for parts, labor, and transportation. This shall be the exclusive remedy for all claims whether based on contract negligence or strict liability. Neither RITE-HITE® CORPORATION, ANY OTHER MANUFACTURER WHOSE PRODUCTS ARE THE SUBJECT OF THIS TRANSACTION, NOR ANY RITE-HITE CORPORATION REPRESENTATIVE, SHALL IN ANY EVENT BE LIABLE FOR ANY LOSS OR USE OF ANY EQUIPMENT OR INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY KIND WHETHER FOR BREACH OF WARRANTY, NEGLIGENCE, OR STRICT LIABILITY. The application of a manufacturer's specifications to a particular job is the responsibility of the purchaser. RITE-HITE CORPORATION SHALL NOT IN ANY EVENT BE LIABLE FOR ANY LOSS OF THE USE OF ANY EQUIPMENT OR INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY KIND.
WARNING

BARRICADE WORK AREA

POST SAFETY WARNINGS AND BARRICADE WORK AREA AT DOCK LEVEL AND GROUND LEVEL TO PREVENT UNAUTHORIZED USE OF THE DOCK POSITION WHILE SERVICE WORK IS BEING PERFORMED. SUPPORT LEVELERS PLATFORM SAFELY WHILE PERFORMING WORK.

REFLECT-O-GUIDE INSTALLATION:

DAMAGE TO DOCK SHIELD, LEVELER AND DOCK MAY OCCUR IF REFLECT-O-GUIDE IS IMPROPERLY INSTALLED.

REFLECT-O-GUIDE

MOUNT REFLECT-O-GUIDE SLIGHTLY BELOW BUMPER AND/OR LEVELER

LAG INTO DOCK WALL THRU GROMMET

VARIES

8'-6"

9'-2" ON CENTER

DOOR OPENING

TRAILER WITH HINGED DOORS

TRAILER

BUMPER

REFLECT-O-GUIDE

REFLECT-O-GUIDE

RIT-MITE FROMMELT

INSTALLATION INSTRUCTIONS

REV EDN DESCRIPTION OF CHANGE BY DATE

5-7-98
Reflecto-Guide™ Safety Strips

Reflecto-Guide Safety Strips are a clear marking system for docks and other hazardous areas.

Using a maintenance-free optical fabric, Reflecto-Guide provides a high level of visibility in all weather conditions.

Reflecto-Guide Strips quickly mark and define your loading dock area.

Sizes
- 18” x 6”
- 24” x 6”
- 30” x 6”

Construction
- Advanced microprism reflective system, protected by a smooth outer skin, sealed to a flexible backing
- UV Protected
- Equally reflective in wet or dry conditions

Steel Faced
- Superior protection
- 3/8” steel face
- 5-year warranty

Doksaver®
- Exclusive floating steel cap design
- Eliminates vulnerable steel rods of other style dock bumpers
- 10-year warranty

Molded
- Manufactured from reinforced rubber
- Many sizes and shapes for almost any application
- Smooth rubber finish stands up to all weather conditions

Laminated
- Good protection
- 3/8” steel angle or plates
- 2-year warranty

Wheel Guide Alignment System

Aligns Trailers within inches to assist full-width loading and unloading through dock doors and across levelers.

Provides Better Protection for dock seals and shelters from backing trailers.

Allows Better Sealing around truck opening.

Minimizes Damage to bumpers, levelers, shelters and building by precisely positioning trailer at opening.

Application
- Surface-mounted
- Positioned 5’ from loading dock
- Requires concrete apron
- Can be utilized either as truck centering or truck funneling guides

Specifications
- Length: 13’
- Material: Schedule 40 tubing
- Finish: Safety yellow powder coated
- Base Plates: 5/16” steel plate
- Anchors: (24) 5/8” x 5 1/4” anchors supplied
- Weight: 220 lbs.
- Height: 10 3/4”

Loading Dock Bumpers

Help protect your $20,000 investment and other building assets.