ATTENTION: READ ALL INSTRUCTIONS ENTIRELY BEFORE INSTALLATION

ETL listed for indoor use

CAUTION:
*T-BAR LED Smartlight™ is designed to work with Class 2 - 24Vdc power supply only. Use of any other power source will cause damage, shorten the life of the fixture and may void the warranty.

* This fixture must be installed and wired by a qualified electrician.

* JLC-Tech LLC will not be held responsible if the fixtures are not installed according to applicable codes and safety standards.

* Installation is subject to local code and jurisdiction.

* Keep these instructions for the person responsible for the maintenance of this installation.

HOW TO ELECTRIFY THE T-BAR LED Smartlight™

CLASS 2 POWER SUPPLY
120-277V/24Vdc - 96W
SOLD SEPARATELY,
CODE: TBSLPSXX100WUNV

120-277V Input Voltage
24Vdc Output Voltage

PLENUM RATED 2’ CABLE WITH CLASS II QUICK CONNECTORS ON EACH SIDE FOR MULTIPLE PRODUCT CONNECTIONS (PROVIDED)

RED CABLE
BLACK CABLE

EACH QUICK CONNECTOR ALLOWS FOR THE POSSIBILITY TO ADD CABLES FOR LONGER SPACING CONNECTION. USE SOLID COPPER 18-16 AWG OR FERRULES

SEE ABOVE TABLE FOR MAX PRODUCT CONNECTED IN A ROW

<table>
<thead>
<tr>
<th>Option</th>
<th>Number of fixtures</th>
<th>Total load</th>
<th>MODEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Option 1</td>
<td>6</td>
<td>96W</td>
<td>HIGH POWER 2 foot / 60cm Total W/fixture 16W</td>
</tr>
<tr>
<td>Option 2</td>
<td>4</td>
<td>96W</td>
<td>HIGH POWER 2 foot / 60cm Total W/fixture 16W</td>
</tr>
<tr>
<td>Option 3</td>
<td>3</td>
<td>96W</td>
<td>HIGH POWER 4 foot / 120cm Total W/fixture 32W</td>
</tr>
<tr>
<td>Option 4</td>
<td>2</td>
<td>96W</td>
<td>HIGH POWER 2 foot / 60cm Total W/fixture 16W</td>
</tr>
</tbody>
</table>

* Total load does not include power supply consumption

ATTENTION! READ ALL INSTRUCTIONS ENTIRELY BEFORE INSTALLATION

DIFFUSING DE-GLARING LENS
CUT OFF REFLECTORS
ASYMMETRIC LENS

SPECIFICALLY DESIGNED FOR USE WITH ARMSTRONG 15/16” GRID

U.S. Patent No. 8,177,385
MADE IN USA

JLC-Tech LLC – Pembroke, MA - USA – Tel. +1.781.826.8162 - info@jlc-tech.com - www.tbarledsmartlight.com
ATTENTION! READ ALL INSTRUCTIONS ENTIRELY BEFORE INSTALLATION

WHERE I CAN INSTALL THE T-BAR LED Smartlight™

- IN A NEW 15/16” (T24) CEILING GRID INSTALLATION, THE ACOUSTICAL CONTRACTOR (AC) WILL INSTALL THE ARMSTRONG CEILING GRID IN A 2’x2’ (60x60cm), 2’x4’ (60x120cm) OR 4’x4’ (120x120cm) LEAVING SPECIFIC OPENINGS FOR THE ELECTRICAL CONTRACTOR (EC), ACCORDING TO THE LIGHT REQUIREMENT.
- THE EC WILL INSTALL A 2’ (60cm) OR A 4’ (120cm) T-BAR LED Smartlight™ AT THE SPECIFIC OPENING IN THE CEILING.

- AFTER THE EC HAS PROPERLY COMPLETED THE INSTALLATION, THE AC WILL FINISH THE CEILING WITH APPROPRIATE SIZE CEILING TILES

- IN AN EXISTING SUSPENDED 15/16” (T24) GRID, VERIFY THE EXISTING CEILING IS AN ARMSTRONG CEILING. THEN LOCATE THE CROSS TEES THAT ARE INTENDED TO BE SUBSTITUTED WITH THE 2’ (60cm) OR 4’ (120cm) T-BAR LED Smartlight™ (ACCORDING TO THE LIGHT REQUIREMENTS).
- THE AC SHALL TEMPORARILY REMOVE THE TILES WITHIN THE SPACE SELECTED AND REMOVE THE CROSS TEES.
- THE EC SHALL THEN INSTALL THE 2’ (60cm) OR 4’ (120cm) T-BAR LED Smartlight™ IN THIS DESIRED LOCATION.
- AFTER THE EC HAS PROPERLY PROPERLY COMPLETED THE INSTALLATION, THE AC WILL REINSTALL THE EXISTING OR REPLACEMENT CEILING TILES.

NOTE: WHEN CORRECTLY INSTALLED THE END DETAILS WILL ENSURE THE T-BAR LED Smartlight™ IS POSITIONED CORRECTLY ALLOWING FOR THE CORRECT SPACING OF THE ARMSTRONG CEILING TILES.

NOTE: THE T-BAR LED Smartlight™ HAS BEEN SEISMICALLY TESTED FOR USE WITH ARMSTRONG CEILING AND DOES NOT NEED TO BE INDEPENDENTLY SUPPORTED.

- AFTER THE EC HAS ELECTRIFIED THE T-BAR LED Smartlight™ (SEE FOLLOWING PAGE FOR INSTRUCTION), THE AC CAN INSTALL THE ARMSTRONG CEILING TILES IN THEIR CORRECT POSITION OVER THE T-BAR LED Smartlight™ PRODUCT AS SHOWN.

NOTE: ONLY REGULAR AND LAY IN CEILING TILES MAY BE USED WITH THE T-BAR LED Smartlight™.

HOW I INSTALL THE T-BAR LED Smartlight™

- PLACE THE PRODUCT OVER THE GRID FOLLOWING THE BELOW CONFIGURATION. ENTER ONE CLIP INSIDE THE DESIRED ROUT LOCATION (1).
- ENTER THE OTHER CLIP ON THE OTHER SIDE INSIDE THE CORRESPONDED ROUT LOCATION BY TWISTING THE GRID AND APPLYING ENOUGH PRESSURE TO ALLOW THE PRODUCT TO ENTER IN PLACE (2).

- DETAILED SIDE AND TOP VIEW OF TWO T-BAR LED Smartlight™ CONNECTED TOGETHER. THE MOUNTING CLIP IS DESIGNED TO CONNECT SIDE BY SIDE WITH ANOTHER T-BAR LED Smartlight OR WITH A STANDARD ARMSTRONG CROSS TEE

- AFTER THE EC HAS PROPERLY COMPLETED THE INSTALLATION, THE AC WILL FINISH THE CEILING WITH APPROPRIATE SIZE CEILING TILES

JLC-Tech LLC – Pembroke, MA - USA – Tel. +1.781.826.8162 - info@jlctech.com - www.tbarledsmartlight.com
ETL listed for indoor use

**CAUTION:**

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* Installation is subject to local code and jurisdiction.

* Keep these instructions for the person responsible for the maintenance of this installation.

**HOW TO ELECTRIFY THE T-BAR LED Smartlight™**

**ATTENTION: READ ALL INSTRUCTIONS ENTIRELY BEFORE INSTALLATION**

**ATTENTION: READ ALL INSTRUCTIONS ENTIRELY BEFORE INSTALLATION**

**The Next Generation Green Lighting Solution for Suspended Ceiling Applications**

**SPECIFICALLY DESIGNED FOR USE WITH ARMSTRONG 9/16" GRID**

**U.S. Patent No. 8,177,385**

**RoHS**

**MADE IN USA**

**ATTENTION: READ ALL INSTRUCTIONS ENTIRELY BEFORE INSTALLATION**

**U.S. Patent No. 8,177,385**

**RoHS**

**MADE IN USA**
**WHERE I CAN INSTALL THE T-BAR LED Smartlight™**

- In a new 9/16’ (T15) ceiling grid installation, the acoustical contractor (AC) will install the Armstrong ceiling grid in a 2’x2’ (60x60cm), 2’x4’ (60x120cm) or 4’x4’ (120x120cm) leaving specific openings for the electrical contractor (EC), according to the light requirement.

**NOTE:**

- Only Tegular and Lay-in ceiling tiles may be used with the T-BAR LED Smartlight™.
- The T-BAR LED Smartlight™ has been seismically tested for use with Armstrong ceiling and does not need to be independently supported.

**HOW I INSTALL THE T-BAR LED Smartlight™**

- After the EC has electrified the T-BAR LED Smartlight (see following page for instruction), the AC can install the Armstrong ceiling tiles in their correct position over the T-BAR LED Smartlight product as shown.

**NOTE:**

- Only Tegular and Lay-in ceiling tiles may be used with the T-BAR LED Smartlight.

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**ATTENTION! READ ALL INSTRUCTIONS ENTIRELY BEFORE INSTALLATION**