

# MedLux<sup>®</sup> HBTSF24

## MRI-Safe 2x4 LED High-Bright Troffer

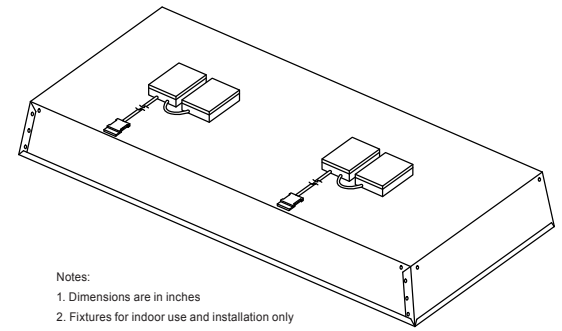
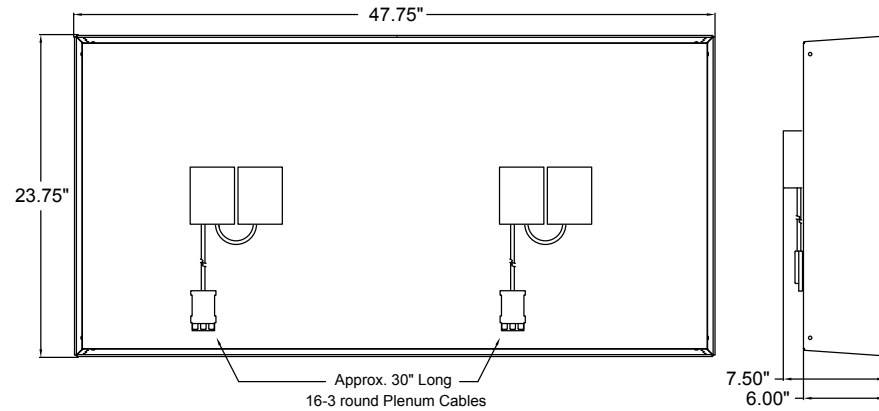
CATALOG#			TYPE
JOB NAME			
NOTES			

HIGHLIGHTS
<b>5-Year Limited Warranty</b>
<b>LED</b>
<b>100% MRI-Safe Non-Ferrous Construction</b>
<b>Fully-Assembled Light Boxes</b>
<b>Optional Dimming</b> Only with MedLux Proprietary Dimming Systems, or with third party controls and MedLux XLIM.
<b>Easy to Install</b> Class 2 wiring, plug-and-play connections
<b>Designed for New Construction or Retrofit</b>
<b>No Field Assembly of Light Boxes is Required</b>



FIXTURE TYPE  
**High-Bright Troffers.**

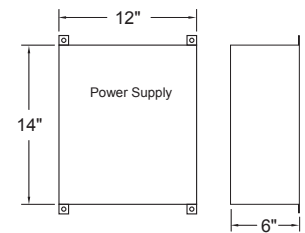
INCLUDED	NOT INCLUDED
- LED Lightbox(es)	- Filters*
- Power Supply in NEMA-Rated Enclosure	- Ceiling Grid Components
- Class 2 Distribution Panel/Fuse Box (NEMA-rated) - includes fixture power cables	- Decorative Trim/Molding
- Installation Diagram and Manual	- MAINS Power Connection Components & Switches
	- Installation
	* Available - sold separately



- Notes:
1. Dimensions are in inches
  2. Fixtures for indoor use and installation only
  3. Troffer units are not for use in Plenum ceilings
  4. Troffer units are built to UL-48 specifications

3-D View

LIGHTBOX SPECIFICATIONS
<b>CONSTRUCTION:</b> Single piece construction consists of 0.04" thick fabricated aluminum with spot-welded seams. Leading edge of return is hemmed for rigidity and straightness. Hems also provide a smooth, rolled surface, which prevents scratching of graphic panels. All inner and outer surfaces receive a durable, reflective white powder coat finish.
<b>DIMENSIONS:</b> 47.75" x 23.75" x 5.5"
<b>CEILING CLEARANCE:</b> 9.0" above the inside of the drop ceiling grid framework. Suspension ceiling installation requirements vary. Consult with your local building authority for code compliance.
<b>WEIGHT:</b> 12 lb (weights do not include diffuser panel)
<b>LIGHT SOURCE:</b> White high-power Nichia LEDs. 80,000 hours useful life/ 50,000 L70
<b>LUMINANCE:</b> (surface brightness) 5142 Net Lumens (640 fc) - Measurement taken at face of translucent acrylic panel.
<b>EFFICACY (LM/WATT):</b> 57.0
<b>COLOR TEMPERATURE:</b> 3500°K (+/- 600°K), CRI: 85
<b>DIFFUSER PANEL:</b> Translucent acrylic (Satin Ice - 80% light transmission) - 47.75" x 23.75" x 1/4"
<b>ELECTRICAL CONNECTIONS:</b> Single pigtail connection system
<b>INPUT VOLTAGE:</b> 48 Volts DC
<b>INPUT CURRENT:</b> 1.88 Amps
<b>INPUT POWER:</b> 90 Watts
<b>DIMMING:</b> Dimming is not required for operation. Optional ADDER - MedLux PWM dimmer system. MedLux Troffers are not compatible with any other type of wall dimmer unless connected with a MedLux XLIM device. Dimmer Control Keypad can be installed in or out of the scan room and mounts in standard wall box with minimum 3" depth. Dimming signals are Class 2 low voltage, routed through the power feed cables. Smooth dynamic operation without change in color temperature throughout the dimming range. Each dimming zone requires a separate dimmer.
<b>SAFETY AGENCY LISTING:</b> File No. E6733 Vol. 1 Sec. 75 USL/CUL per UL48; CSA C22.2 No. 207



POWER SUPPLY SPECIFICATIONS	
	POWER SUPPLY TYPE
	<b>1</b>
MODEL:	ELT600-48
DIMENSIONS:	14" x 12" x 6"
WEIGHT:	30 LB
INPUT VOLTAGE:	120/240 Volts AC
INPUT CURRENT:	6.4/3.2 Amps (max)
INPUT POWER:	770 VA
OUTPUT VOLTAGE:	48 Volts DC
OUTPUT CURRENT:	11.3 Amps (max)
Must be used with current limiter module for Class 2 installations.	

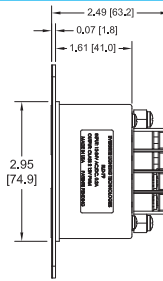
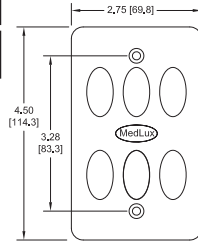
## DIMMING CONTROLS

Each keypad controls a single zone of up to 6 - 2x4s.  
Each zone requires a separate dimmer.

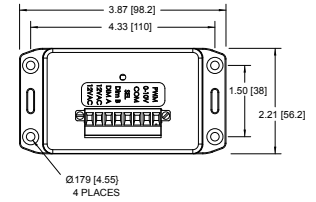
MedLux® HBT fixtures will not interface with 3rd party dimming controls without the use of our proprietary XLIM device. A separate module is required for each dimming zone.

3-Way dimming using MedLux dimmers is not currently available.

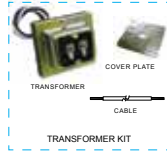
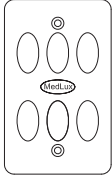
CR  
SR



DD

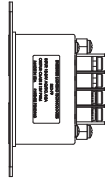
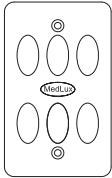


### CR MEDLUX® CONTROL ROOM DIMMER KIT (Dimmer Control Keypad in Control Room)



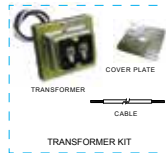
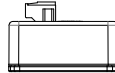
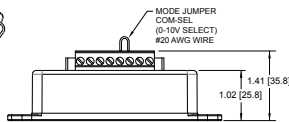
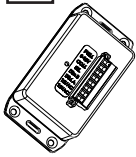
DESCRIPTION	QTY
Dimmer Assembly	1
PLTC, #18AWG, 2-Twisted Pair, 100FT	1
Transformer Kit, 16VAC	1

### SR MEDLUX® SCAN ROOM DIMMER KIT (Dimmer Control Keypad in Scan Room)



DESCRIPTION	QTY
Dimmer Assembly	1
Cable, Plenum, 16-3 CL3P, 50FT	1

### DD XLIM DIGITAL DIMMER KIT (Interface module in Equipment Room ONLY) *Compatible with most 0-10V, PWM, or DSC (Digital Serial Communications Interface) devices*



DESCRIPTION	QTY
XLIM Dimmer Interface Assembly	1
Transformer Kit, 16VAC	1

NOTE: An interface module from the lighting control panel provider may also be required.

## ORDERING INFORMATION

**!** For quote requests and PO's, create your system number by filling in A, B and C below.

Again, using the "TOTAL Troffers" (A) - Find that number in the left-hand column below and write in the corresponding CIRCUIT count that appears to the right.

MODEL	SIZE	A TOTAL TROFFERS	B DIMMING CONTROLS	POWER SUPPLY TYPE	C NUMBER OF CIRCUITS
HBTSF	24	01 - 06	NN No Dimmer CR Control Room Dimmer SR Scan Room Dimmer DD Digital Dimmer (XLIM) Control Room ONLY DD: Lighting Control Panel MFG ▲ DD: Lighting Control Panel Model# ▲	1	Enter 02 to 12 ▶ TOTAL HBTs (A) 01 02 02 04 03 06 04 08 05 10 06 12

CREATE YOUR SYSTEM NUMBER HERE: **HBTSF** **24** **A** **B** - **1** **C**

**Please Note:**  
Filters are typically supplied by the RF Shield provider and are NOT included with your order.

If needed, filters are available for purchase.

Facility Filter  
P/N 019-00011

Signal Filter  
P/N 019-00009

Please take a moment to provide the following project-specific information for our records, Thank You.



### MAGNET

GE  HITACHI  PHILIPS  SIEMENS  TOSHIBA  OTHER

MFG

MODEL  Open  Closed

TESLA 1.0  1.5  3.0  OTHER

### RF SHIELD PROVIDER

BRADEN  ETS-LINDGREN  PDC  GLOBAL PARTNERS IN SHIELDING  IMEDCO  UNIVERSAL SHIELDING

OTHER



Everbrite Lighting • 401 Koopman Lane • Elkhorn, WI 53121  
(800) 610-6053 • [elt@everbrite.com](mailto:elt@everbrite.com) • [www.everbritelighting.com](http://www.everbritelighting.com)

Manufactured in USA. Meets the Buy American requirements under the ARRA.



LED MEDICAL LIGHTING TECHNOLOGY

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