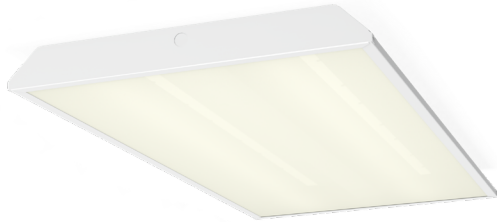


Project Name	Type
Catalog #	Date

RECESSED TROFFER LED TUNABLE WHITE

TRL LED TW



APPLICATIONS

- Office Spaces
- Conference Rooms
- Educational Facilities
- Municipal Facilities
- Financial Institutions
- Retail Spaces
- Hospitality Areas
- Corridors

APPROVALS

- Complies with UL1598 and CSA C22.2#250.0.0:2008
- BAA Compliant.
- RoHS Compliant.
- Appropriate parts/test guidelines were performed by ATAL www.ata-labs.com



2x4 Size Shown

FEATURES

- Energy-efficient LED replacement for T8/T12 fluorescent fixture.
- Utilizes patented long-life LED technology in a classic style look.
- Comfortable, low glare illumination.

CONSTRUCTION

- Housing is code gauge, pre-painted white steel.
- End caps riveted to housing for strength and rigidity.
- Driver accessible from plenum side.
- Frameless lens provides clean appearance.
- Impact resistant polycarbonate and prismatic acrylic lens options available.
- Tamper proof screws option available (consult factory).

ELECTRICAL

- Voltage: 120-277VAC input.
- Driver: 20-48VDC Class 2, constant current, electronic power supply factory calibrated to LED modules. Multi-volt 120-277V with 0-10V dimming as standard. DEXAL or DALI Tunable White programming is available.
- Wiring: Internal factory wiring and pre-installed LED modules.
- Best in class LEDs (90 CRI).

ACCESSORIES

- Recessed troffer flange kit available, ordered separately (consult factory).

WARRANTY

- Backed by XtraLight's industry leading 10-year warranty.

ORDER LOGIC

SAMPLE CATALOG NUMBER: TRL24-4000L-2765-DAL-PFA

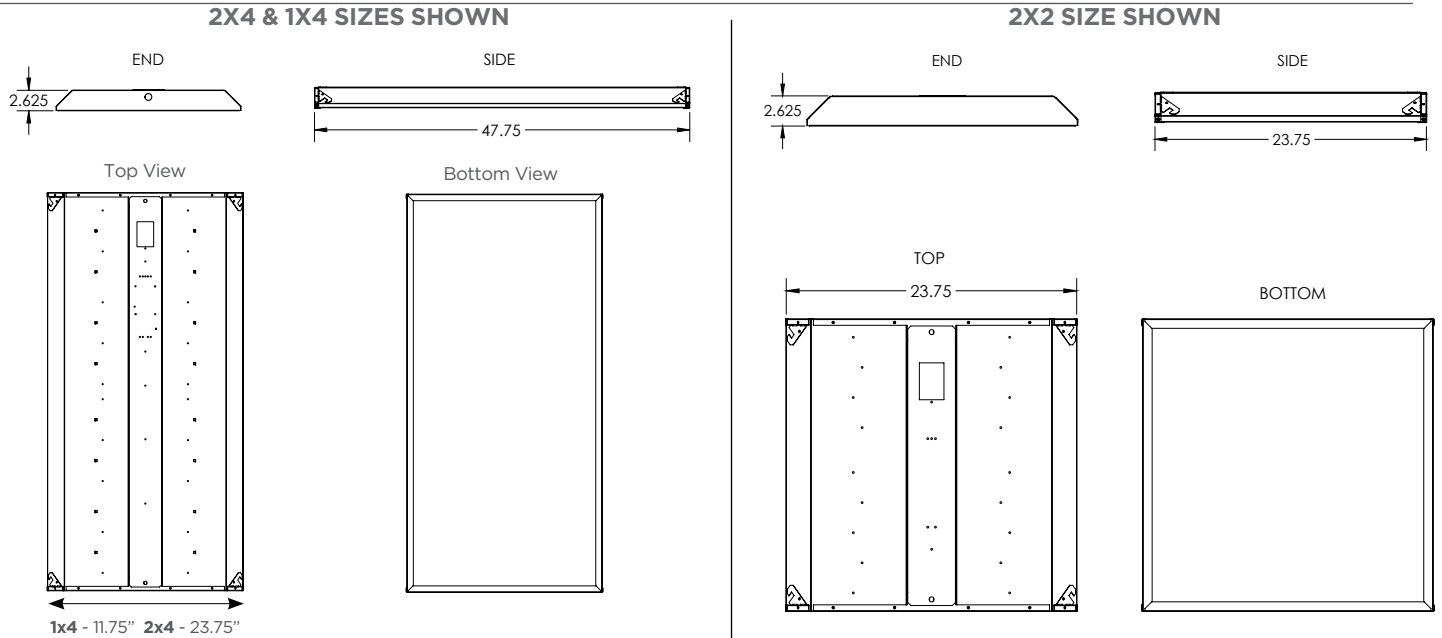
SIZE	MODEL	CCT	DRIVER	LENS	OPTIONS
14 1x4	4000L 8000L	2765 2700K to 6500K	DAL DALI Program DEX DEXAL Program	PFA Prismatic P12 Frosted Acrylic SCP Smooth Clear Polycarbonate SFP Smooth Frosted Polycarbonate	EM Emergency Battery Back-Up GTD ¹ Generator Transfer Device TP Tamper Proof Screws
22 2x2	2000L 4000L				
24 2x4	4000L 8000L				

1. Only Available For 2x4 Fixture.



RECESSED TROFFER LED TUNABLE WHITE DRIVER

DIMENSIONAL DATA



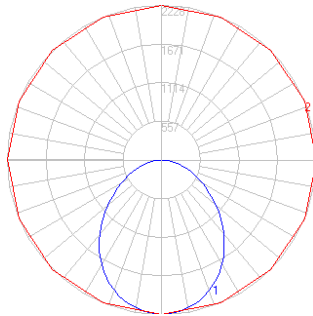
PHOTOMETRIC DATA

TRL 5000L 2x4

Catalog Number:
TRL24-5000L-40K-DIM-PFA

Report Number: ATAL026621.ies
Issue Date: 10/30/18
Lamp: (4) LED Modules
Lens/Optics: Prismatic
IESNA: LM-63-2002
Total Input Watts: 49.5
Efficacy (Lm/W): 105.6
Total Lumens: 5226

Prepared by: American Testing & Assessment Laboratory
NOTE: Data shown is absolute for product shown.



PRODUCT PERFORMANCE

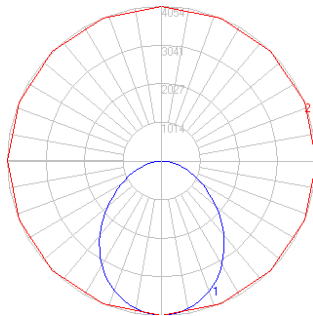
MODEL	LENS	CCT	WATTS	LUMENS	EFFICACY
24-4000L	PFA	2700K to	36	3493	97
42-8000L	PFA	6500K	84	6587	78

TRL 9500L 2x4

Catalog Number:
TRL24-9500L-40K-DIM-PFA

Report Number: ATAL026622.ies
Issue Date: 10/30/18
Lamp: (4) LED Modules
Lens/Optics: Prismatic
IESNA: LM-63-2002
Total Input Watts: 105.3
Efficacy (Lm/W): 90.2
Total Lumens: 9502

Prepared by: American Testing & Assessment Laboratory
NOTE: Data shown is absolute for product shown.



RECESSED TROFFER LED TUNABLE WHITE DRIVER

DIMENSIONAL DATA

Tunable White System



The OSRAM Tunable White (TW) System provides a digitally controllable lighting solution which helps simulate natural daylight that reinforces human wellness and productivity. This digital solution offers the freedom to adjust light preferences for Human Centric Lighting (HCL) applications including educational, commercial office and healthcare settings. The OSRAM Tunable White System consists of an OPTOTRONIC® Tunable White LED Driver, Tunable White Wallstation, PrevalED® Tunable White Light Engine and optional Control Power Pack.

The OSRAM TW Wallstation provides precise color temperature and brightness control when used in conjunction with the OPTOTRONIC Programmable TW LED Driver. The color temperature of the PrevalED light engine can be adjusted within the range of 2700K to 6500K and between 1-100% light intensity. The wallstation comes with three, preprogrammed scene buttons that can be customized to control the room's ambiance. Third party tunable white light engines can be paired with the OPTOTRONIC TW LED Driver, offering flexibility to OEMs. Using the OPTOTRONIC Programmer allows users to program custom light engine parameters into the driver.

This tunable white system is compatible with light management systems capable of communicating via DALI.

The installation of the OSRAM Tunable White System is straightforward. The OPTOTRONIC TW LED Driver and PrevalED TW Light Engine is integrated into the luminaire during the manufacturing process. Contractors simply install the luminaires and OSRAM TW Wallstation into the application space and run a quick wiring test.

Application Information

- Commercial office
- Human Centric Lighting (HCL)
- Education

Key Features & Benefits

- The driver has two operating modes:
 - Two-channel mode (for direct/indirect without color tuning)
 - Tunable white mode
- DALI compatible controls color temperature and brightness
- OEM programmable with 1mA resolution to perfectly match LED load and maximize performance
- Able to interface with LED modules of OEM choice third-party LED light engines
- Specification grade dimming down to 1%
- Dim-to-off
- Soft start
- Integrated OEM programmable features include:
 - Constant lumen maintenance
 - End-of-life indication
 - LED thermal protection
 - Configurable LED module parameters
- Programming does not require powering up or connecting the power supply to AC line voltage
- Input voltage: Universal 120-277V_{AC} 50/60H
- UL Class 2 output for safe operation

