

# LRK-TRH-DFX LED



with **365DisInFx™**  
UVA technology

Visioneering's new LRK-TRH-DFX combines the LRK-TRH LED retrofit troffer kit and 365DisInFx™ UVA technology to help in the inactivation of surface bacteria where people are present and conventional lighting is needed. 365DisInFx™ UVA technology has demonstrated inactivation rates of up to 99.7% in 8 hours when tested with several common pathogens like MRSA, E. faecalis, and E. coli<sup>1</sup>.



## Features:

- 1 Helps inactivate surface bacteria as an additive measure
- 2 Low-dosage UVA for 24-hour operation in occupied spaces
- 3 UV Stabilized Ribbed Frosted Acrylic Diffuser
- 4 UV resistant anti-microbial white, polyester powder painted housing

## Applications:

- Office Areas
- Classrooms
- Hospitals
- Waiting Rooms
- Retail Stores
- Nursing Homes
- Fitness Centers
- And more...

## Technical Summary:

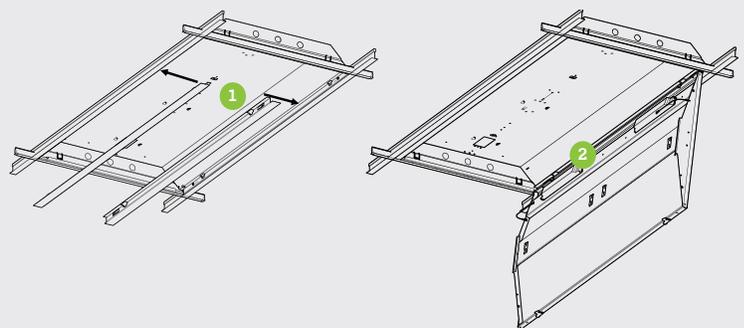
**Safety:** 24-hour dosage is designed to operate below human health exposure limits per IEC 62471 Photobiological Safety for Lamps and Lamp Systems standard and American Conference of American Hygienists (ACGIH®) TLVs® guidelines.

**Disinfection Light Source:** 365nm UVA light emitted is invisible to the human eye and does not impact CCT or CRI.

**Light Control:** Fixture LED white light source may be controlled by wired or wireless controls and is dimmable to 1%. The UVA disinfection light-source has a fixed output and operates continuously on a separate circuit.

## Quick & Easy Installation:

- 1 Slide the precision formed steel frame angle brackets under the fixture between the T-Bar.
- 2 Attach the door frame assembly kit using the T-Hinges.
- 3 Connect the power using quick disconnects.
- 4 Raise door frame into place and close with cam latches.



### UVA Test Results & Notes:

<sup>1</sup>365DisInFx™ UVA disinfection technology was tested using in vitro methods (as described in Livingston<sup>1</sup> and Kvam<sup>2</sup>), which resulted in 99.7% reduction in MRSA on surfaces exposed to 3W/m<sup>2</sup> of 365 nm UVA over a single 8-hour period. Results of this testing also showed significant reduction over a similar exposure period of certain common pathogens, including Staphylococcus aureus, Enterococcus faecalis, Escherichia coli, Acinetobacter baumannii, Pseudomonas aeruginosa, Candida albicans and auris, associated with hospital-acquired infections (HAIs). Photobiological science and mathematical modeling enables us to calculate expected inactivation rates for 24-hour continuous operation of the 365DisInFx™ UVA technology.