

## WL-TRUV2240

40W Recessed Mount, Disinfection LED Troffer, TRUV series

Catalog #

Note

Type

### Product Description

Wisdom Light's recessed mount disinfection LED troffer, TRUV series offer a conventional look similar to the traditional troffer, but with significantly more capability. In addition to delivering a smooth uniform distribution appearance with LED technology, TRUV series also provided disinfection lighting in areas where both conventional light is needed and people are present. LAB and clinical testing has shown this product has the ability to significantly reduce HAI-causing pathogens including Escherichia coli, Candida albicans and staphylococcus aureus.

### Technology Summary:

**Technology:** 1 Hour, 1m distance will kill of 88% of HAI-causing pathogens with one hour exposure using in vitro test methods.

**Safety:** Product is safe for use in the presence of people for episodic (8-hours) or continuous (24h) exposure under IEC photo-biological safety standard 62471

**Disinfection Light Source:** The UV-A LED light source is visible and has no safety risk to humans. Certain white objects or fabrics may glow slightly under the disinfection light source

**Light Control:** The UV-A LED disinfection light source and the white LED light source are controlled by independent wall switch or customized wireless control. The white and UV-A luminaries can convert by wall switch.

### Performance Summary

Input voltage: 120-277VAC, 50/60Hz

Input wattage: 40watts (250W metal halide equivalent)

Efficacy: 95 LPW

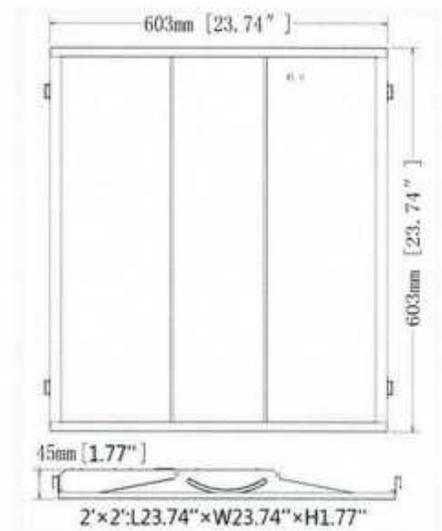
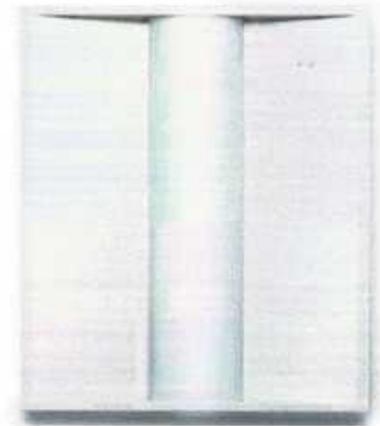
Lumen output: 6650lumens

CCT: 3500K/4000K/ 5000K+UVA

L70 life: 50,000 hours

Warranty: 5 years

Mounting: recessed mount





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|           |  |
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| FAMILY                           | SIZE   | WATT   | White CCT                              | LIGHTING CONTROL  |
|----------------------------------|--------|--------|--|---|
| WL-TRUV Wisdom Light, UV troffer | 22 2x2 | 40 40W | W35K 3500K<br>W40K 4000K<br>W50K 5000K | (blank) Static<br>MS Motion Sensor<br>EM Emergency backlit<br>WC Wireless Control |

**Note**

1. 200-480VAC available for special order.
2. Lead times will vary depending on options selected. Consult with your sales representative.

**Features & Specifications**

**CONSTRUCTION & MATERIALS**

- Housing :Durable, long lasting construction. Steel, powder-coated
- Lens: UV rated, PC diffuser
- Paint: Natural White Powder coating

**MOUNTING AND WIRING**

- Recessed mount

**ENVIRONMENTAL SYSTEM**

- ETL/cETL listed for wet locations

**ELECTRICAL SYSTEM**

- Integral high performance LED driver
- Input voltage 120-347VAC, 50/60Hz

**OPTICAL SYSTEM**

- High quality glare reducing optics
- High performance LM80 LEDs

**LIGHTING CONTROL**

- 2.4G, Mesh, or Wifi wireless control

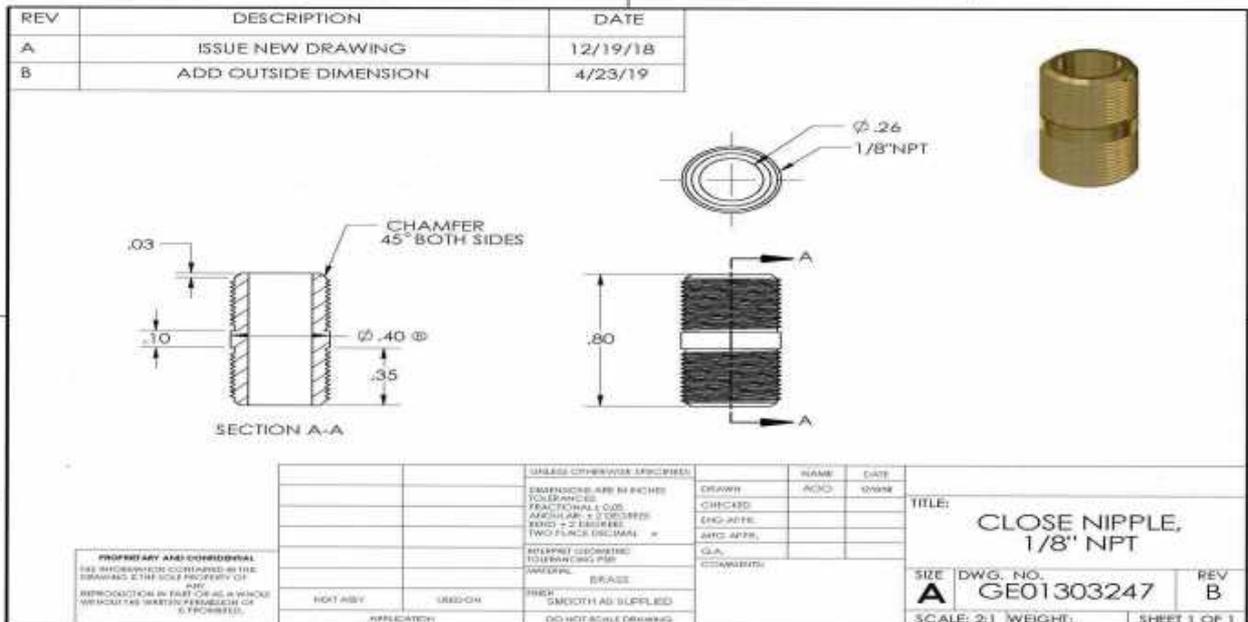
- Microwave or PIR sensor
- Emergency Backlit

| PHYSICAL SPECIFICATION      |                                 |
|-----------------------------|---------------------------------|
| Length                      | 23.74" (603mm)                  |
| Width                       | 23.74" (603mm)                  |
| Height                      | 1.77" (45mm)                    |
| Housing material            | Steel                           |
| Finish                      | White powder coating            |
| MOUNTING AND WIRING         |                                 |
| Mounting                    | Recessed mounting               |
| ENVIRONMENTAL SPECIFICATION |                                 |
| Operating temp.             | -30–130°F (-34–54°C)            |
| Operating humidity          | 20–85% RH, non-condensing       |
| Storage temp.               | -40–140°F (-40–60°C)            |
| Ingress protection          | Suitable for damp/wet locations |
| ELECTRICAL SPECIFICATION    |                                 |
| Input voltage               | 120-347VAC, 50/60 Hz            |
| Input wattage               | 40W(W:20W/UV 20W)               |
| LED Driver Type             | Class 2                         |
| Power factor                | 0.90 min.                       |
| Total harmonic distortion   | 20% max.                        |
| OPTICAL SPECIFICATION       |                                 |
| Luminous flux               | 3000Lm                          |
| UV-A Wave-length            | 405nm                           |
| CRI                         | 80 min.                         |
| LIGHTING CONTROL            |                                 |
| Dimming capacity            |                                 |
| LONGEVITY AND WARRANTY      |                                 |
| L80 life                    | 50,000 hrs.                     |
| Warranty                    | 5 years                         |
| LISTING AND CERTIFICATES    |                                 |
| ETL, cETL                   |                                 |
| IEC62471                    |                                 |



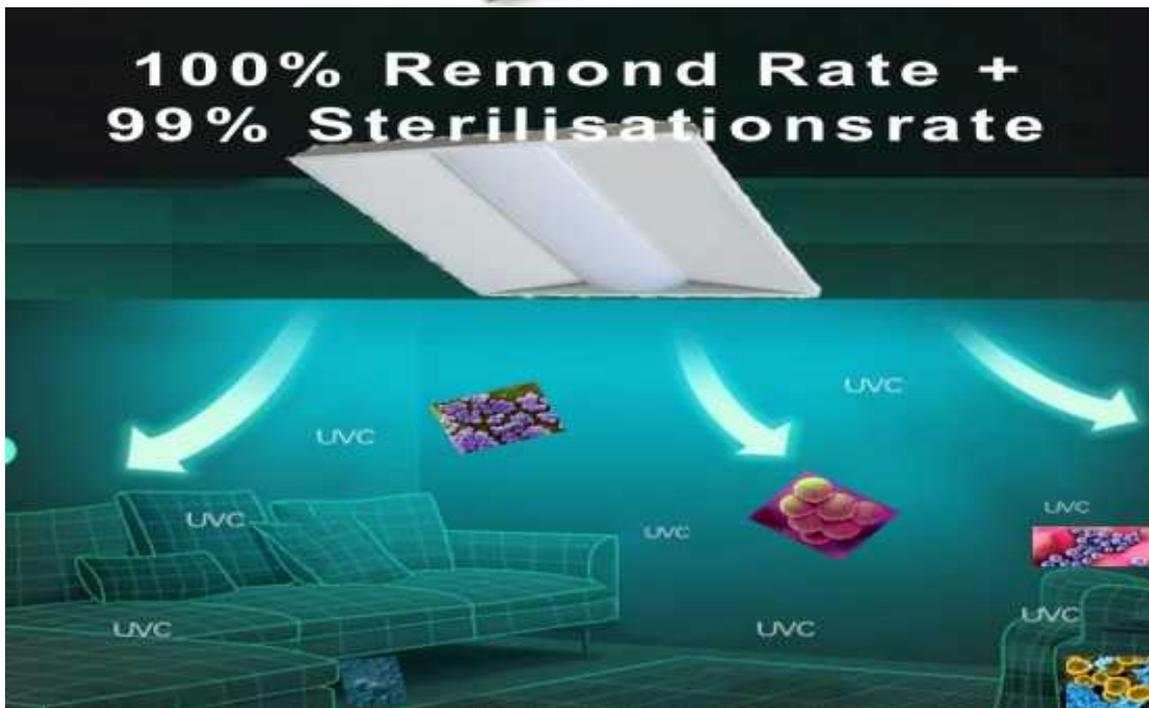
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## ASSEMBLY AND WIRING

Assembly installation

Distance floor to ceiling approx. 2m to 3.50m

10m<sup>2</sup> per Troffer.