



# LIGHTING THAT OUTPERFORMS

SINCE 1998

## LED TROFFER WITH LOW GLARE REFLECTOR DATASHEET

### 1. Product name

ULEDLGTBAR-40W

### 2. Product description and application

The UGE 40W LED TROFFER is a new addition to replace traditional T5 2 x 28w or T8 2 x 36w troffer. This product provides an economical yet effective lighting solution for a variety of commercial and lighting applications.

### 3. Features

- Rated 40,000 hours
- Replacement for T5 2 x 28w or T8 2 x 36w Troffer
- UV free, ROHS compliant, SAA approved
- Energy efficient
- Replacement warranty 2 years



ULEDLGTBAR-40W

### 4. Materials

- LED T-Bar Recessed Troffer
- Pressed steel casing, powdered coated finish
- Double parabolic Aluminum reflector
- 1.2m Flex & Plug
- High efficiency LED driver

### 5. Applications

- The luminaire is an excellent solution for retrofitting existing retail and commercial applications.
- LED technology can be used in areas where UV ray or sparks need to be controlled or forbidden.
- Excellent solution for extended lighting and decreases energy cost.

### 6. Optical characteristics

#### 6.1 LED

LED Type: 3528 SMD

LED color: Neutral white (5500K)

Warm white (3000K) (made to order)

LED efficacy: 120 lm/W (neutral white)

100 lm/W (warm white)

CRI > 80

Viewing angle: 120 degrees



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### 6.2 LED Luminous flux

| Model No.                        | No. of LED tubes | Luminous flux         |
|----------------------------------|------------------|-----------------------|
|                                  |                  | Neutral white (5500K) |
| ULEDLGTBAR-40W<br>(1195 x 295mm) | 2                | 3300lm                |

### 6.3 LED life span

The life span of the LED is directly related to the leg temperature of the LED. The higher the temperature of the LED, the shorter its life span.

| Power | Leg temperature (°C) |
|-------|----------------------|
| 40W   | Ambient + 28 °C      |
|       |                      |

| T ((°C)      | Life (hours) | T ((°C) | Life (hours) | T ((°C) | Life (hours) |
|--------------|--------------|---------|--------------|---------|--------------|
| 50           | 100,000      | 70      | 80,000       | 90      | 40,000       |
| 60           | 100,000      | 80      | 55,000       | 100     | 30,000       |
| LED Lifespan |              |         |              |         |              |

Note: The table of LED leg temperature (T) against LED lifespan serves as a guide. Actual LED lifespan may vary. Data from LED manufacturer.

## 7. Electrical characteristics

| Series         | LED driver | Dimmable | Input voltage / current | Power efficiency | Dimmable |
|----------------|------------|----------|-------------------------|------------------|----------|
| ULEDLGTBAR-40W | 2x20W      | No       | 240V                    | Up to 85%        | No       |

### 7.1 Physical characteristics and packaging

#### 7.2 ULEDLGTBAR-40W

Dimension: L1195mm x W295mm x D55mm

Storage temperature: -20°C ~ +60°C

Working temperature: -20°C ~ +60°C