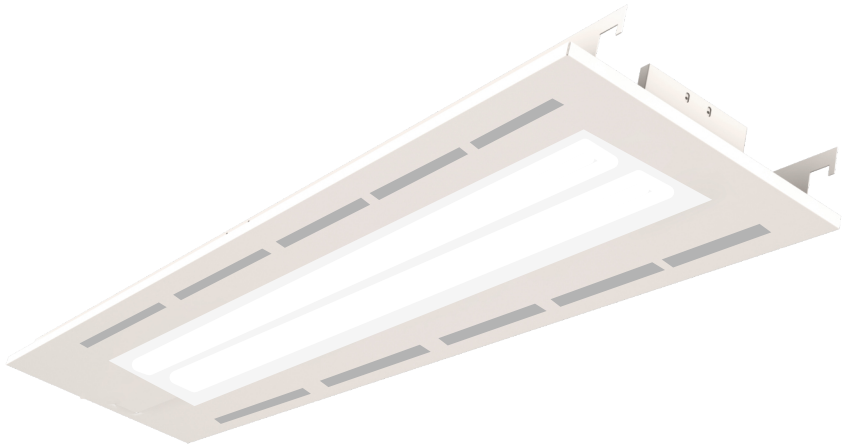


**VELA TRV20D: 20W LED.** Can replace existing T5/T8 fixture applying U.S DOE calculation methods

Best Greenstar Rating In Its Class

#### At a Glance:

- DALI-2 Compatible
- Ultra-Low Glare (UGR <16)
- CRI 95
- Impressive 116lm/W Efficacy
- Pleasant, Uniform Lighting
- Flicker-Free Lighting
- Custom Dimensions Available
- Meet WELLS V2 standard
- Enhances Greenstar Rating
- Long Lifespan: >60K hours
- AS/NZS 60598.2.1 compliance
- Emergency Lighting Option
- Standard Driver Option
- LoRa Wireless Option



#### **VELA: Elegant, Efficient, with Exceptional Uniform Lighting**

VELA: The Epitome of Engineering Excellence for Stunning and Uniform Lighting, providing over 320 lux on a 3-5m high office ceiling, covering an average of 6.5 square meters per VELA. The VELA offers the same brightness as other 30W LED troffers but consume only 20W of power which translates into significant cost savings for customers.

The VELA meets the rigorous standards of WELL V2 with UGR below 16, and all troffers contribute to enhancing Greenstar rating for the building with a typical direct replacement of a T5/T8 fixture with 15-20W using the

U.S. Department of Energy calculation methods for ultra-high quality luminaires. They are available in standard sizes for metric-tile mounting, with or without air vents, to seamlessly integrate the VELA into your space. For customers seeking tailored solutions, Fotonic can manufacture troffers in special dimensions that meet specific requirements.

VELAs are built to last. With a lamp section lifespan exceeding 100,000 hours at an ambient temperature of 45°C, and a driver lifespan surpassing 50,000 hours, they offer exceptional longevity and reliability. They meet the industry standards of IES LM-80-081, providing you with peace of mind and superior performance.

### TRV20D Specifications:

Input power: 20W  
DALI-2 Driver: BK-DKL040-A1050AD, Flicker free  
Color temperature: Cool (5000K); Neutral (4000K);  
Warm (3000K), Amber (2700K)  
Lighting Control: Dimmable  
Efficacy: 116 lm/W @ 20W  
Beam angles: 67°(H), 79°(V)  
UGR: <16  
CRI: Ra > 95,  
SCDM: 3  
LLD(Av): 2.21% @ 12,000 hrs  
Diffuser: Polycarbonate  
Chromaticity shift (Av): 0.0012 @ 12,000 hrs  
Fitting Material: Zinc coated steel  
Fitting color: USA white  
IP rating: IP40  
Input Voltage: 200-240Vac  
Power factor: >0.96 @ 20W  
Operating temperature: -20°C to 45°C  
Approved standards: SAA, C-Tick  
Life expectancy (L70): >60,000 hrs  
Warranty: 5 years  
Weight: 1200x300<5kg, 1200x600=<8kg  
Custom color: Yes  
Custom Dimensions: Yes

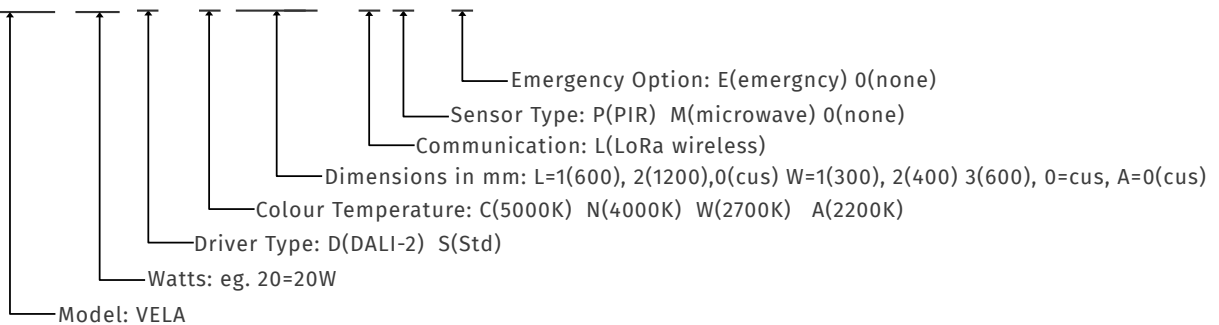
### Lighting Control Hardware options:

Wired or wireless DALI-2  
Wireless LoRa with i3t Smart App  
Wireless range: 5km  
Hierarchical Zone layers: 5  
Groups per Zone: 255  
Number of gateway: 1 (typical)  
Point-n-click Zone-Group configuration  
Ambient light correction

### i3t User Interface:

Zone-Group dimming  
Scene setting  
Occupancy sensing  
Daylight tracking: 2700-5500K  
Access and Security Control  
Emergency Light monitoring

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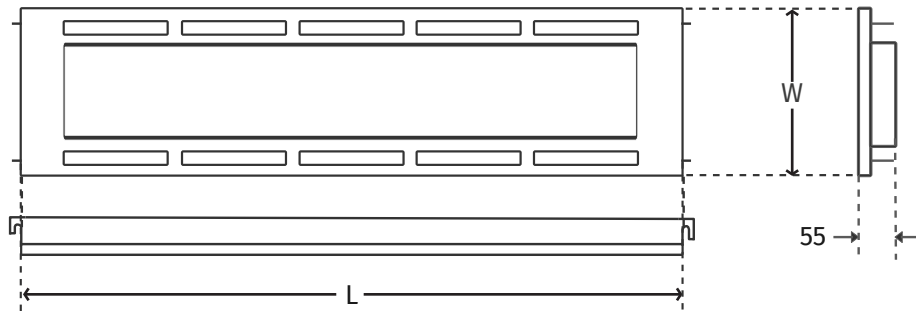


### Example:

TRV12D-N130 (Vela 12W, DALI-2, 4000K, 600x600mm, customised air-vents)

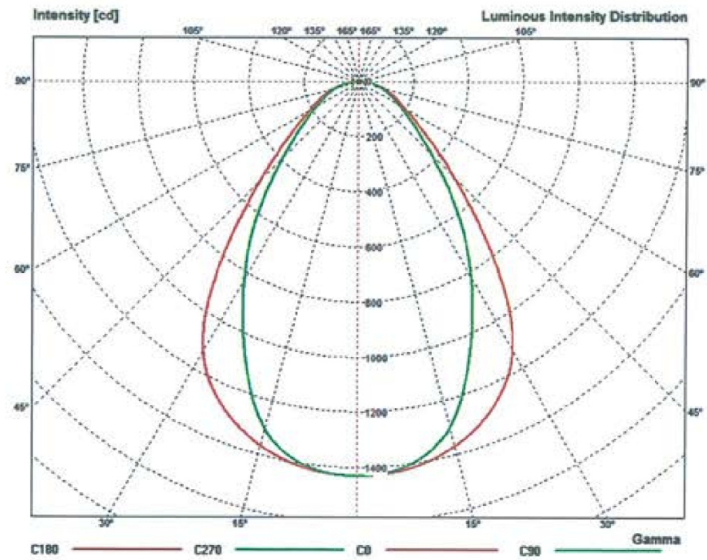
TRV20D-N230 (Vela 20W, DALI-2, 4000K, 1200x600mm, customised dimensions)

Dimensions:



Customised Dimension Available

TRV20D Illustrative Photometric Chart



**DALI Configuration:**



**DALI -LoRa Configuration:**

