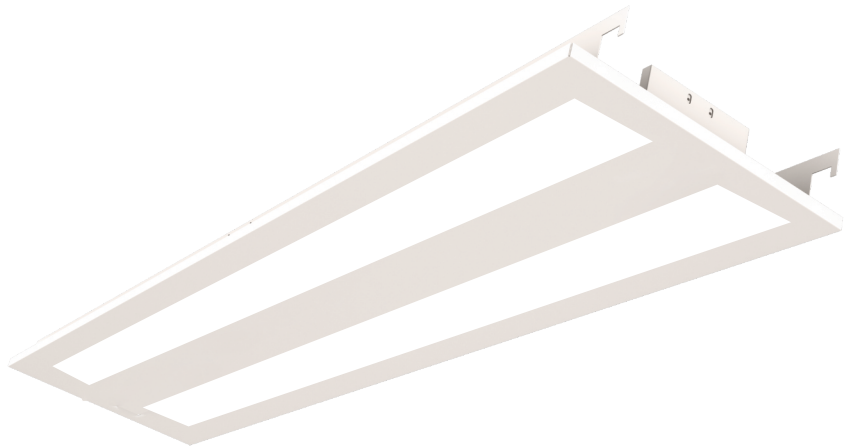


VELA TRV20D: 20W LED. Can replace existing T5/T8 fixture applying U.S DOE calculation methods

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

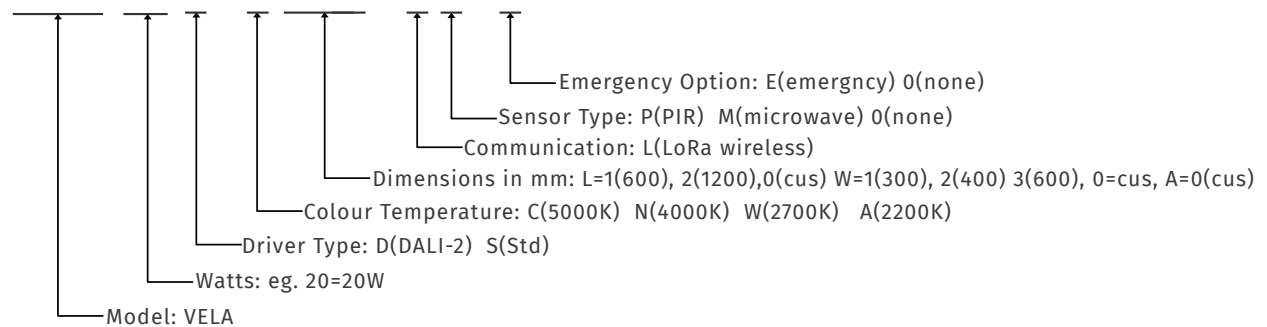
Lighting Control Hardware options:

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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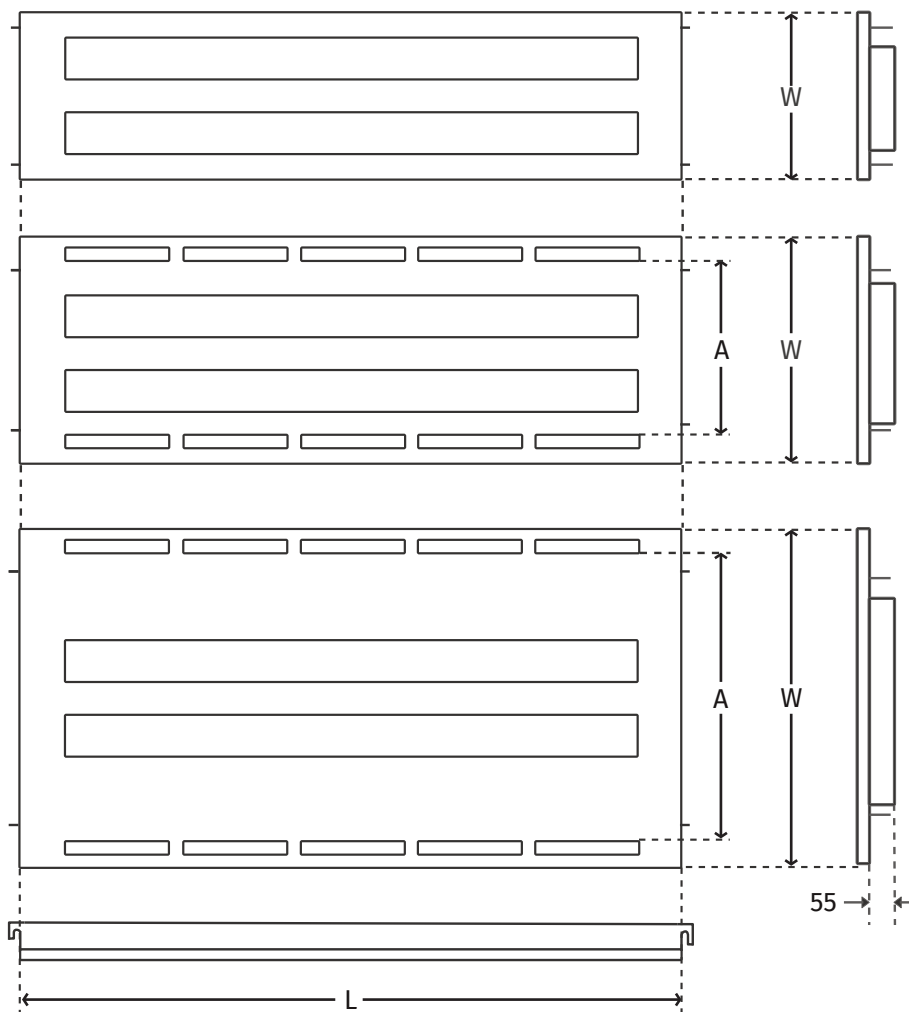


Example: 600mm wide Standard 1200mm Vela P/N:

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

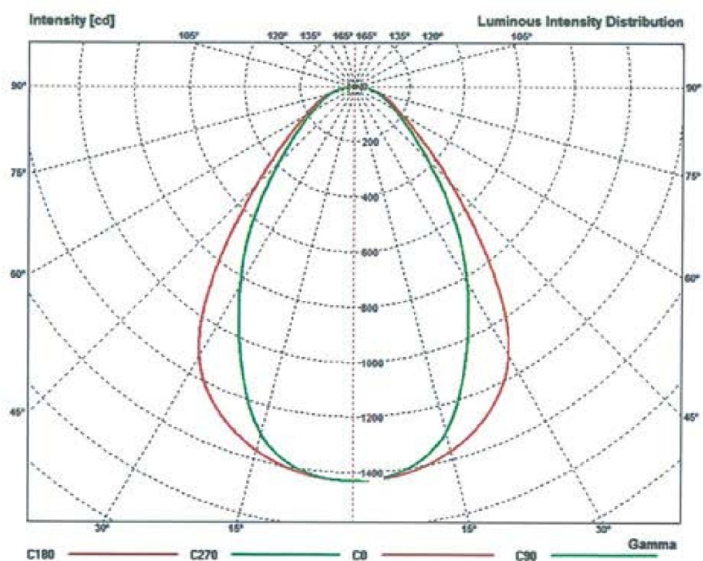
TRV20D-N230 (Vela 20W, DALI-2, 4000K, 1200x600mm, custom air-vents)

Dimensions:



Customised Dimension Available

TRV20D Illustrative Photometric Chart



DALI Configuration:



DALI -LoRa Configuration:

