At a Glance:
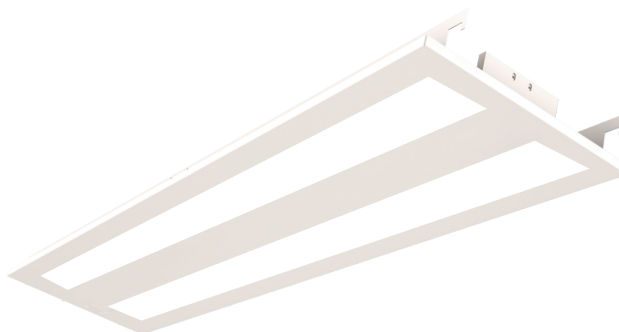
• DALI-2 Compatible
• Ultra-Low Glare (UGR <16)
• Impressive Troffer Efficacy
• Pleasant, Uniform Lighting
• Flicker-Free Lighting
• Custom Dimensions Available
• Meet WELLS V2 standard
• Enhances Greenstar Rating
• Long Lifespan: >60K hours
• IES LM-79, LM-80 tested
• Emergency Lighting Option
• Standard Driver Option
• LoRa Wireless Option

FunGlow

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. They offer the same brightness as other 30W LED troffers but consume only 18-20W 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 Twin-T5/T8 4-ft troffer with only 20W or less. 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, Fotenic 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.

ies DALI LoRa JAS·ANZ CE ERAC

VELA

TRV-D (DALI) Specification:

Efficacy: 116 lm/W @ 20W
UGR: <16
Lighting Control: Dimmable
Driver: BK-PUL018A-0450A, Flicker free

TRV-S (Std Driver) Specification:

Efficacy: 139 lm/W @ 20W
UGR: <16
Driver: BK-PQL022-C450A Flicker free

Common Specification:

Input power range: 12W*, 20-28W
Beam angles: 67°(H), 79°(V)
CRI: Ra > 90,
Color temperature: Cool, 5000K; Neutral, 4000K;
Warm, 3000K; Amber, 2700K, Tunable, 2700-5500K**
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: 5-10kg 300-600mm wide 1200mm long
Custom color: Yes
Custom Dimensions: Yes

* Half size troffer
** Driver: BK-DGL042-1050AD

Lighting Control Hardware:

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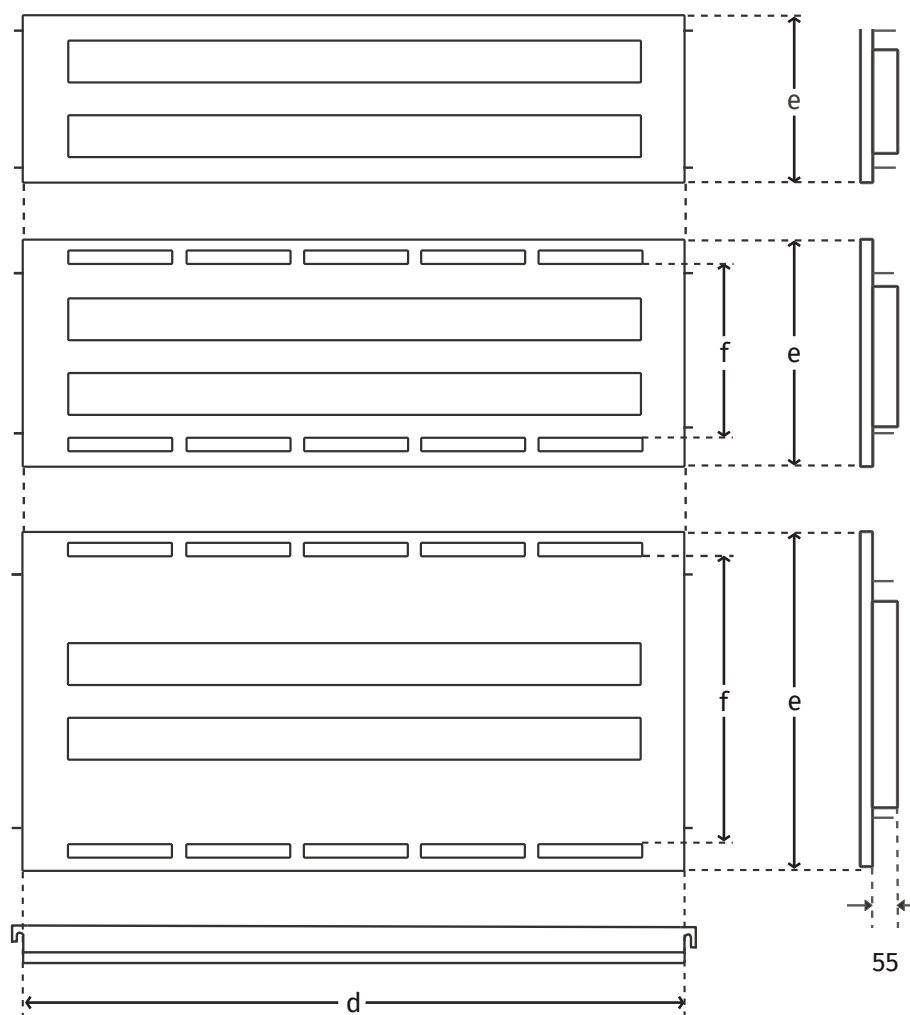Point-n-click Zone-Group configuration
Ambient light correction

I3t and/or Funglow system:

Zone-Group dimming
Scene setting
Occupancy sensing
Daylight tracking: 2700-5500K
Access and Security Control
Emergency Light monitoring
RGB/CW daily setting (FunGlow)
Battery operation (LoRa)
Long-range data acquisition control (< 50 km)
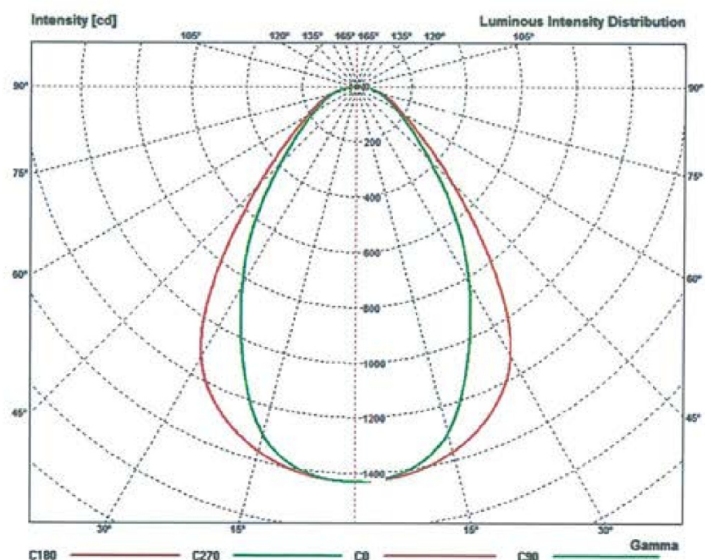
VELA: TRVab-cdef-gh-i

a: Watts (e.g., TRV**20**... = 20W)
b: **D**ALI, **S**tandard
c: **C**ool, **N**eutral, **W**arm, **A**mber
d: **1** (600mm), **2** (1200mm), **3** (700mm),
   6 (1350mm), **8** (1400mm), **9** (1575mm),
   0 Custom size
e: **1** (300mm), **2** (400mm), **3** (600mm),
   6 (450mm), **7** (485mm), **0** Custom size
f: Air-vent distance: **1** (320mm), **2** (520mm),
   3 (240mm), **0** Custom
g: **L**oRa i3t, **F**unGlow, **B**lank
h: **P**IR, **M**icrowave, **C**ombined PIR &
   Ambient sensor, **B**lank (no sensor)

Dimensions:

All dimensions in mm (See ordering
information).
Custom dimensions available

TRV20D Illustrative Photometric Chart

DALI Configuration:

2-wire DALI input
2-wire DALI output

1.5m flex with
AC plug

Cable to Lamp

DALI-2 Driver

DALI –LoRa Configuration:

1.5m flex with
AC plug

2-wire DALI input
2-wire DALI output

LoRa with External PIR
or Internal Microwave
Sensor

Cable to Lamp

DALI-2 Driver