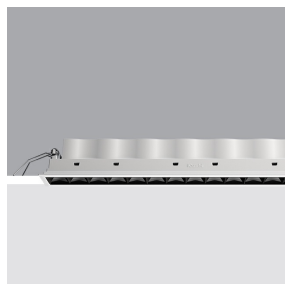


Last information update: February 2025

Product configuration: VFZ8.47

VFZ8.47: Recessed with 15 cells - WideFlood optic - Tunable Warm - White/Black

**Product code**

VFZ8.47: Recessed with 15 cells - WideFlood optic - Tunable Warm - White/Black

Technical description

Rectangular 15 optic element recessed miniaturised luminaire. LED lamps with different colour temperatures and warm tones that allow them to be modulated. This interaction is achieved by mixing the emission of 15 x 2000K high CRI LEDs and 15 x 3500K high CRI LEDs. Every optic element includes a pair of LEDs that when rotated by 72°, allow a perfect mixture of emissions to be created at ground level, even between products of different sizes. Main body with die-cast aluminium radiant surface, version with perimeter surface frame. Metallised thermoplastic high definition - wideflood beam - optics are integrated in a set-back position in the black anti-glare screen. The structure of the optical system prevents a pinpoint effect, allowing precise, circular light distribution and emission with controlled glare. Supplied with an integrated power supply system that, without using additional components, allows the colour temperature to be changed by simply pressing a single button. A programmable setup with an intuitive, easy-to-use touch screen can be obtained using the X479 code with the M630 power supply unit. Other configurable check systems are available, too, including app-operated ones for remote devices.

Installation

Recessed with steel wire springs for false ceilings from 1 to 25 mm thick - preparation hole 37 x 406.

Colour

Black / White (47)

Weight (Kg)

0.87

Mounting

wall recessed|ceiling recessed

Wiring

Control gear units included. Different management systems are available with a separate code. For technical details, properties and connection procedures see the instruction sheet.

Complies with EN60598-1 and pertinent regulations



IP20

IP23

On the visible part of the product once installed

**Technical data**

lm system: 2065

W system: 33.4

lm source: 2950

W source: 28

Luminous efficiency (lm/W, real value): 61.8

lm in emergency mode: -

Total light flux at or above an angle of 90° [Lm]: 0

Light Output Ratio (L.O.R.) [%]: 70

Beam angle [°]: 42°

CRI (minimum): 90

CRI (typical): 92

Colour temperature [K]: Tunable warm

MacAdam Step: 3

Life Time LED 1: > 50,000h - L90 - B10 (Ta 25°C)

Lamp code: LED

Number of lamps for optical assembly: 1

ZVEI Code: LED

Number of optical assemblies: 1

Power factor: See installation instructions

Inrush current: 29 A / 153 µs

Maximum number of luminaires of this type per miniature circuit breaker:

B10A: 32 luminaires

B16A: 51 luminaires

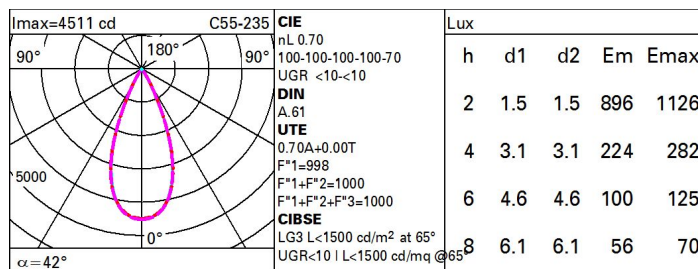
C10A: 53 luminaires

C16A: 86 luminaires

Minimum dimming %: 1

Overvoltage protection: 2kV Common mode & 1kV Differential mode

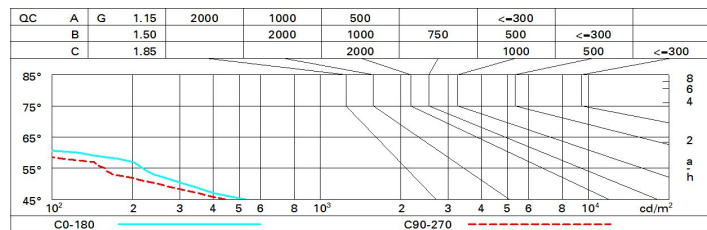
Control: DALI-2

Polar

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	63	60	58	56	59	57	57	55	78
1.0	66	63	61	59	62	60	60	58	83
1.5	69	67	65	64	66	65	64	62	89
2.0	71	70	69	67	69	68	67	65	93
2.5	73	71	71	70	71	70	69	67	96
3.0	74	73	72	71	72	71	70	68	98
4.0	74	74	73	73	73	72	71	70	99
5.0	75	74	74	74	73	73	72	70	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 2950 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
2H	2H	4.6	5.1	4.9	5.3	5.5	4.8	5.3	5.1	5.5	5.7
	3H	4.5	4.9	4.8	5.2	5.4	4.7	5.1	5.0	5.4	5.6
	4H	4.4	4.8	4.7	5.1	5.4	4.6	5.0	4.9	5.3	5.6
	6H	4.3	4.7	4.7	5.0	5.3	4.5	4.9	4.9	5.2	5.5
	8H	4.3	4.6	4.6	5.0	5.3	4.5	4.8	4.8	5.2	5.5
	12H	4.2	4.6	4.6	4.9	5.3	4.4	4.8	4.8	5.1	5.5
4H	2H	4.4	4.8	4.7	5.1	5.4	4.6	5.0	4.9	5.3	5.6
	3H	4.2	4.6	4.6	4.9	5.3	4.4	4.8	4.8	5.1	5.5
	4H	4.2	4.5	4.5	4.8	5.2	4.4	4.7	4.7	5.0	5.4
	6H	4.1	4.3	4.5	4.7	5.1	4.3	4.5	4.7	4.9	5.3
	8H	4.0	4.3	4.5	4.7	5.1	4.2	4.5	4.7	4.9	5.3
	12H	4.0	4.2	4.4	4.6	5.1	4.2	4.4	4.6	4.8	5.3
8H	4H	4.0	4.3	4.5	4.7	5.1	4.2	4.5	4.7	4.9	5.3
	6H	3.9	4.1	4.4	4.6	5.0	4.1	4.3	4.6	4.8	5.2
	8H	3.9	4.0	4.3	4.5	5.0	4.1	4.2	4.5	4.7	5.2
	12H	3.8	4.0	4.3	4.4	5.0	4.0	4.2	4.5	4.6	5.2
12H	4H	4.0	4.2	4.4	4.6	5.1	4.2	4.4	4.6	4.8	5.3
	6H	3.9	4.0	4.3	4.5	5.0	4.1	4.2	4.5	4.7	5.2
	8H	3.8	4.0	4.3	4.4	5.0	4.0	4.2	4.5	4.6	5.2
Variations with the observer position at spacing:											
S =	1.0H	6.7 / -17.0					6.6 / -18.7				
	1.5H	9.5 / -23.9					9.5 / -27.2				
	2.0H	11.5 / -33.7					11.5 / -32.9				