Datasheet

Volta III

Non-Corrosive Integrated LED Batten



Microwave Sensor



Overview

The Kosnic Volta III LED non-corrosive battens have a full PC body and utilise high performance LEDs to offer outstanding lumen efficiency. They have terminals at each end for use with the optional interlink connector. Microwave sensor with remote-control also available.

Features

- IP65 compliant, suitable for indoor or outdoor use
- Durable and rugged IK08 polycarbonate construction
- High efficiency up to 127lm/W
- Flicker free
- Class I
- Multiple interlocking options with pass-through wiring.
- Optional Suspension Kit, interlink connection modules, and end cap
- Optional microwave sensor with remote control.
- Long operational life of 40,000h
- Instant start

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Datasheet

Product Specifications

Order Code	VOL4F36-SCT	VOL5F48-SCT
ID	06632	06633
Voltage	220-240 Vac 50/60 Hz	220-240 Vac 50/60 Hz
Current (mA)	165	220
Rated Power (W)	36	48
CCT	3000k Warm White 4000k Cool White 6000k Day Light	3000k Warm White 4000k Cool White 6000k Day Light
Power Factor	0.95	0.95
In-rush current (A)	50 / 120 µs	40 / 170 µs
Luminous Flux (lm)	3940 (3000K) 4560 (4000K) 4260 (6000K)	5300 (3000K) 6130 (4000K) 6020 (6000K)
Nominal Lifetime (h)	40000	40000
Lifetime (L70B50) (h)	54000	54000
Lifetime (L80) (h)	54000	54000
Lifetime (L90) (h)	42000	42000
Blue Light Hazard	RG1	RG1
Glow Wire Temperature (°C)	650	650
Dimensions (LxWxD) (mm)	1235 x 59 x 67	1535 x 59 x 67
Weight (Kg)	0.9	1.06
Protection	Class I, IK08, IP65	Class I, IK08, IP65
Ambient Temperature (°C)	-20 to 40	-20 to 40

Light Source Specifications

Lighting Technology used	LED	LED
Directional / Non-Directional	NDLS	NDLS
Cap Type / interface	Terminal	Terminal
Mains / Non-Mains	MLS	MLS
Connected Light Source	N	N
Colour Tuneable Lightsource	N	N
High luminance light source	N	N
Anti-glare shield	N	N
Dimmable	N	N
Energy Consumption in on-mode (kWh/1000h)	36	48
Energy Efficiency Class	F (3000k) E (4000k) E (6000k)	E (3000k) E (4000k) E (6000k)
Useful Luminous Flux (lm)	3940 (3000k) 4560 (4000k) 4260 (6000k)	5300 (3000k) 6130 (4000k) 6020 (6000k)
Beam Angle Correspondence (°)	360	360
CCT	3000k Warm White 4000k Cool White 6000k Day Light	3000k Warm White 4000k Cool White 6000k Day Light
On-mode power (Pon) (W)	36	48
Standby power (Psb) (W)	0	0
Networked standby power (Pnet) (CLS only)	N/A	N/A
CRI	82	82
Dimensions (LxWxD) (mm)	1235 x 59 x 60	1535 x 59 x 60

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Claim of equivalent power	No	No
Equivalent power (W)	N/A	N/A
Chromaticity Coordinates	0.430(x), 0.401(y) 3000k 0.380(x), 0.371(y) 4000k 0.324(x), 0.336(y) 6000k	0.430(x), 0.401(y) 3000k 0.380(x), 0.371(y) 4000k 0.324(x), 0.336(y) 6000k
Peak luminous intensity (DLS) (cd)	N/A	N/A
Beam angle (DLS) (°)	N/A	N/A
R9 CRI value (LED/OLED)	7 (3000k) 19 (4000k) 10 (6000k)	7 (3000k) 19 (4000k) 10 (6000k)
Survival Factor	0.9	0.9
Lumen maintenance factor	0.96	0.96
Displacement factor (Mains LED/OLED)	0.96	0.96
Colour consistency in Mcadam ellipses (Mains LED/OLED)	6	6
LED light source rep. a fluorescent light source without integrated ballast of a particular wattage (Mains LED/OLED)	No	No
Rep. W claim (Mains LED/OLED)	N/A	N/A
Flicker (pst LM) (Mains LED/OLED)	0.2	0.2
Stroboscopic effect metric (SVM)	0.04	0.04

Note: The construction of this product is such that attempting to remove the light source from within is likely to damage the product itself and lead to degradation of the IP rating, premature failure of the product, and will invalidate any warranty.

Sensor information

Sensor Type	Microwave
Input Voltage	220-240Vac 50/60Hz
Working Mode	On/Off
HF System	5.8GHz ± 75MHz ISM band / 0.5 mW max
Standby Power	≤0.5 W
Protection	IP20
Transmitting power	≤0.5 mW
Load	400W (Inductive) 800W (resistive) @ 230Vac
Mounting Height	Max 4 m
Detection Area Radius	Max 7 m at 3 m mount, 3.5 m at 4 m mount (100 % / 50 % set by remote control RMT-VOL)
Detection Angle	150° wall mounting, 360° ceiling mounting
Hold time	10s / 90s / 3min 10min (set by remote control RMT-VOL)
Daylight sensor	5 lux / 15 lux / 50 lux / Disabled (set by remote control RMT-VOL)
Override Function	Yes
Corridor Function	No

Accessories

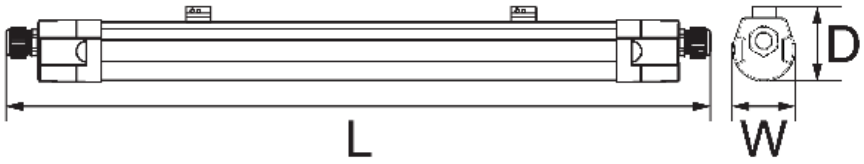
Type	**Order Code**	**Description**
Suspension Kit	**SUS02**	Maximum 2.0m drop
Microwave Sensor	**VOL-MWS**	Microwave Sensor
Remote Control	**RMT-VOL**	Remote Control
End Cap	**KPT-KBTN-CAP**	End Cap
Interlock Connector	**KPT-KBTN-CI1**	Inline interlock connector

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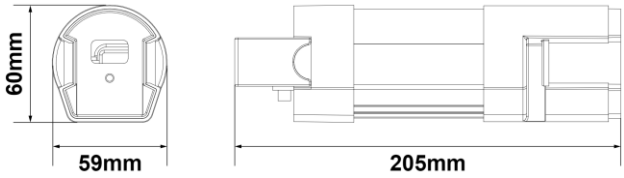
Interlock Connector	VOL-CT	“T” piece interlock connector
Interlock Connector	VOL-CX	“X” piece interlock connector
Interlock Connector	VOL-CL	“L” piece interlock connector

Dimensions

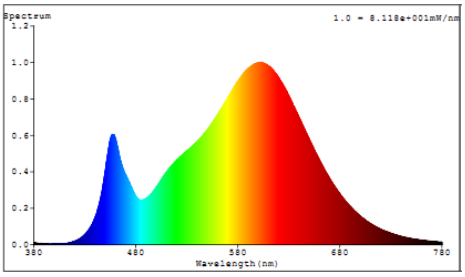


Produce Code	Length(mm)	Width(mm)	Depth(mm)
VOL4F36-SCT	1235	59	67
VOL5F48-SCT	1535	59	67

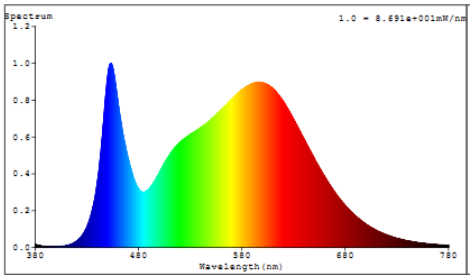
Microwave Sensor



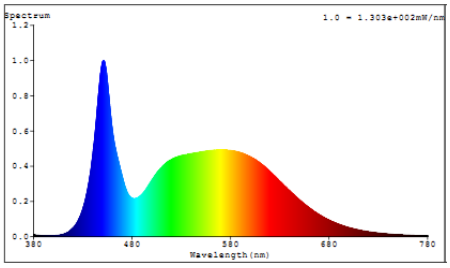
Photometric Information



3000K



4000K



6000K

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