

Niva III Single

Integrated Switchable CCT LED Batten with Optional Emergency Module and Microwave Sensor



Overview

This version of the Niva III LED batten offers an output similar to traditional single output battens. The Niva III utilises high performance LEDs to offer outstanding lumen efficiency. The battens have a switchable CCT (3000/4000/6000K) and are suitable for a wide range of applications including warehouses, factories and garages. The product range also has the option to install an emergency module and microwave sensor.

Features

- Switchable CCT (3000/4000/6000K)
- Option to install emergency module
- Optional plug-in On/Off microwave sensor
- High efficiency up to 156lm/W
- Class I
- Suitable for through-wiring
- Long operational life of 40,000h
- Instant start
- Negligible UV output
- Mercury free

Emergency Module

The optional emergency module provides power in the event of a cut in the supply and must be wired to the un-switched supply through the un-switched Live terminal. The battery will supply the luminaire for over 3 hours at a reduced output.

Specifications

Product Code	NIV4FS18	NIV5FS27	NIV6FS36
ID	06930	06931	06932
Voltage	220-240 Vac 50-60 Hz	220-240 Vac 50-60 Hz	220-240 Vac 50-60 Hz
Current (mA)	87	125	165
Rated Power (W)	18	27	36
CCT	3000k Warm White 4000k Cool White (default) 6000k Day Light	3000k Warm White 4000k Cool White (default) 6000k Day Light	3000k Warm White 4000k Cool White (default) 6000k Day Light
Luminous Flux (lm)	2600 (3000k) 2800 (4000k) 2600 (6000k)	3800 (3000k) 4100 (4000k) 3800 (6000k)	5000 (3000k) 5400 (4000k) 5000 (6000k)
Nominal Lifetime (h)	40000	40000	40000
L70B50 Lifetime (h)	60000	60000	60000
L80B10 Lifetime (h)	60000	60000	60000
L90 Lifetime (h)	48000	48000	48000
Blue Light Hazard	RG1	RG1	RG1
Glow wire temperature (°C)	650	650	650
SDCM of CCT	<6	<6	<6
Flicker %	<1	<1	<1
Power Factor	0.9	0.94	0.95
Dimensions (L x W x D) (mm)	1170 x 61 x 71	1470 x 61 x 71	1734 x 61 x 71
Ambient Temperature Range (°C)	-20 to 40	-20 to 40	-20 to 40
Weight (kg)	1.35	1.65	1.9
Inrush Current (peak/duration) (A)	14.2 / 222µs	14.2 / 222µs	14.2 / 222µs
Protection	Class I, IK08, IP20	Class I, IK08, IP20	Class I, IK08, IP20
Emergency Luminous Flux (lm)	500	500	500

Light Source Specifications

Lighting Technology used	LED	LED	LED
Directional / Non-Directional	NDLS	NDLS	NDLS
Cap Type / interface	Connector	Connector	Connector
Mains / Non-Mains	NMLS	NMLS	NMLS
Connected Light Source	N	N	N
Colour Tuneable Lightsource	N	N	N
High luminance light source	N	N	N
Anti-glare shield	N	N	N
Dimmable	N	N	N
Energy Consumption in on-mode (kWh/1000h)	16	25	33
Energy Efficiency Class	D	D	D
Useful Luminous Flux (lm)	2600 (3000k) 2800 (4000k) 2600 (6000k)	3800 (3000k) 4100 (4000k) 3800 (6000k)	5000 (3000k) 5400 (4000k) 5000 (6000k)
Beam Angle Correspondence (°)	360	360	360
CCT	3000k Warm White 4000k Cool White (default) 6000k Day Light	3000k Warm White 4000k Cool White (default) 6000k Day Light	3000k Warm White 4000k Cool White (default) 6000k Day Light
On-mode power (Pon) (W)	16.4	25.2	33.3
Standby power (Psb) (W)	0	0	0

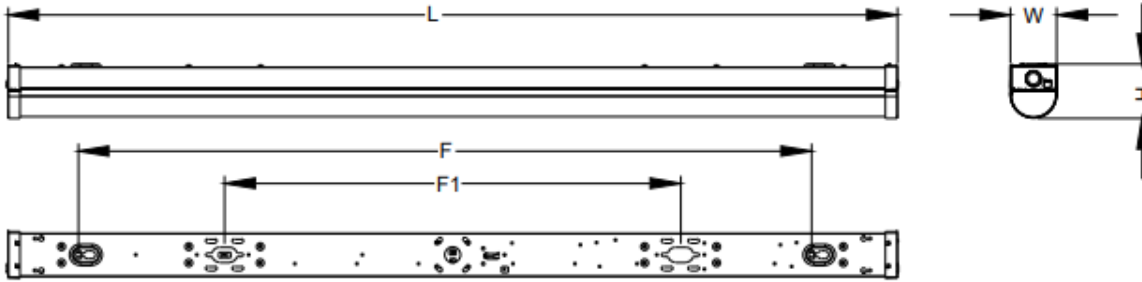
Networked standby power (Pnet) (W)	N/A	N/A	N/A
CRI	82	82	82
Dimensions (L x W x D) (mm)	1170 x 61 x 71	1470 x 61 x 71	1734 x 61 x 71
Claim of equivalent power	No	No	No
Equivalent power (W)	N/A	N/A	N/A
Chromaticity Coordinates	0.431 (x) 0.400 (y) 3000k 0.379 (x) 0.371 (y) 4000k 0.314 (x) 0.334 (y) 6000k	0.431 (x) 0.400 (y) 3000k 0.379 (x) 0.371 (y) 4000k 0.314 (x) 0.334 (y) 6000k	0.431 (x) 0.400 (y) 3000k 0.379 (x) 0.371 (y) 4000k 0.314 (x) 0.334 (y) 6000k
Peak luminous intensity (DLS) (cd)	N/A	N/A	N/A
Beam angle (DLS) (°)	N/A	N/A	N/A
R9 CRI value (LED/OLED)	5, 20, 2	5, 20, 2	5, 20, 2
Survival Factor	0.9	0.9	0.9
Lumen maintenance factor	0.96	0.96	0.96
Displacement factor(Mains LED/OLED)	N/A	N/A	N/A
Colour consistency in mcdam ellipses (Mains LED/OLED)	N/A	N/A	N/A
LED light source rep. a fluorescent light source without integrated ballast of a particular wattage (Mains LED/OLED)	N/A	N/A	N/A
Rep. W claim (Mains LED/OLED)	N/A	N/A	N/A
Flicker metric (pst LM) (Mains LED/OLED)	N/A	N/A	N/A
Stroboscopic effect metric (SVM)	N/A	N/A	N/A
Light Source Supply	82Vdc 200mA	72Vdc 200mA	95Vdc 350mA

Note: The light source is defined as the LED module and diffuser of the product only.

Accessories

Description:	Order Code	Details:
Standard Emergency Module	BEM203	3W, 30-300Vdc, LiFePO4, 2000mAh, 10-100mA (user installed)
Self-Test Emergency Module	BEM203/ST	Self-test 3W, 30-300Vdc, LiFePO4, 2000mAh, 10-100mA (user installed)
Battery	BAT20LFP2	LiFePO4, 2000mAh, 6.4V battery
Microwave Sensor	NIV-MWS	Plug-in ON-OFF microwave sensor
Suspension Kit	SUS-BTN04	4 wires included, maximum 1.2m drop

Dimensions



Product Range	Length(mm)	Width(mm)	Height (mm)	Fixing (mm)	Besa Boxes Fixing(mm)
4ft	1170	61	71	965	600
5ft	1470	61	71	1265	600
6ft	1734	61	71	1529	600

Photometric Information

