

Niva III Twin, Sensor & DALI

Integrated Switchable CCT and Wattage LED Batten with DALI/Push Dimming, Emergency Module and, and Microwave Sensor Options



Overview

This version of the Niva III LED batten offers an output similar to traditional twin output battens. The Niva III utilises high performance LEDs to offer outstanding lumen efficiency. The battens have a switchable CCT (3000/4000/6000K) and wattage, are suitable for a wide range of applications including warehouses, factories and garages. The product range is available with DALI dimming or a microwave sensor and has the option to install an emergency module. The drivers can be set to a lower output via DIP switches.

Features

- Switchable wattage
- Switchable CCT (3000/4000/6000K)
- Option to install emergency module
- Optional plug-in On/Off microwave sensor
- Optional built-in microwave sensor with corridor function
- Optional DALI/Push Dimming
- 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 – Twin

Product Code	NIV4FT27	NIV5FT44	NIV6FT63
ID	06933	06934	06935
Voltage	220-240 Vac 50-60 Hz	220-240 Vac 50-60 Hz	220-240 Vac 50-60 Hz
Current (mA)	82, 125 (default)	116, 201 (default)	160, 288 (default)
Rated Power (W)	17, 27 (default)	25, 44 (default)	35, 63 (default)
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)	2400 (3000k) (17W) 2600 (4000k) (17W) 2400 (6000k) (17W) 3700 (3000k) (27W) 4100 (4000k) (27W) 3700 (6000k) (27W)	3700 (3000k) (25W) 3900 (4000k) (25W) 3700 (6000k) (25W) 5900 (3000k) (44W) 6400 (4000k) (44W) 5900 (6000k) (44W)	5000 (3000k) (35W) 5400 (4000k) (35W) 5000 (6000k) (35W) 8400 (3000k) (63W) 9200 (4000k) (63W) 8400 (6000k) (63W)
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 (17W), 0.94 (27W)	0.94 (25W), 0.95 (44W)	0.95 (35W), 0.95 (63W)
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)	1.4	1.7	2
Inrush Current (peak/duration) (A)	14.2 / 222µs	14.2 / 222µs	15 / 240µs
Protection	Class I, IK08, IP20	Class I, IK08, IP20	Class I, IK08, IP20
Emergency Luminous Flux (lm)	500	500	500

Light Source Specifications – Twin

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)	14, 25	22, 39	32, 57
Energy Efficiency Class	D	D	D

Useful Luminous Flux (lm)	2400 (3000k) (17W)	3700 (3000k) (25W)	5000 (3000k) (35W)
	2600 (4000k) (17W)	3900 (4000k) (25W)	5400 (4000k) (35W)
	2400 (6000k) (17W)	3700 (6000k) (25W)	5000 (6000k) (35W)
	3700 (3000k) (27W)	5900 (3000k) (44W)	8400 (3000k) (63W)
	4100 (4000k) (27W)	6400 (4000k) (44W)	9200 (4000k) (63W)
	3700 (6000k) (27W)	5900 (6000k) (44W)	8400 (6000k) (63W)
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)	14.4, 25.2	22, 38.5	32.4, 56.7
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 mcadam 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	72Vdc 200mA (17W)	110Vdc 200mA (25W)	162Vdc 200mA (35W)
	72Vdc 350mA (27W)	110Vdc 350mA (44W)	162Vdc 350mA (63W)

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

Specifications – DALI

Product Code	NIV4FT27/DA	NIV5FT44/DA	NIV6FT63/DA
ID	06939	06940	06941
Voltage	220-240 Vac 50-60 Hz	220-240 Vac 50-60 Hz	220-240 Vac 50-60 Hz
Current (mA)	124	201	288
Rated Power (W)	27	44	63
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)	3700 (3000k) 4100 (4000k) 3700 (6000k)	5900 (3000k) 6400 (4000k) 5900 (6000k)	8400 (3000k) 9200 (4000k) 8400 (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	0.95	0.95	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)	1.4	1.7	2
Inrush Current (peak/duration) (A)	21.8 / 264µs	21.8 / 264µs	21.8 / 264µs
Protection	Class I, IK08, IP20	Class I, IK08, IP20	Class I, IK08, IP20
Emergency Luminous Flux (lm)	500	500	500

Light Source Specifications – DALI

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)	25	39	57
Energy Efficiency Class	D	D	D
Useful Luminous Flux (lm)	3700 (3000k) 4100 (4000k) 3700 (6000k)	5900 (3000k) 6400 (4000k) 5900 (6000k)	8400 (3000k) 9200 (4000k) 8400 (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)	25.2	38.5	56.7
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 mcadam 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	72Vdc 350mA	110Vdc 350mA	162Vdc 350mA

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

Specifications – Sensor

Product Code	NIV4FT27/S	NIV5FT44/S	NIV6FT63/S
ID	06936	06937	06938
Voltage	220-240 Vac 50-60 Hz	220-240 Vac 50-60 Hz	220-240 Vac 50-60 Hz
Current (mA)	85, 100, 116, 126 (default)	121, 140, 160, 201 (default)	164, 206, 243, 288 (default)
Rated Power (W)	17, 20, 24, 27 (default)	25, 30, 35 ,44 (default)	35, 45, 53, 63 (default)
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)	2400 (3000k) (17W) 2600 (4000k) (17W) 2400 (6000k) (17W) 2800 (3000k) (20W) 3000 (4000k) (20W) 2800 (6000k) (20W) 3400 (3000k) (24W) 3600 (4000k) (24W) 3400 (6000k) (24W) 3700 (3000k) (27W) 4100 (4000k) (27W) 3700 (6000k) (27W)	3700 (3000k) (25W) 3900 (4000k) (25W) 3700 (6000k) (25W) 4200 (3000k) (30W) 4500 (4000k) (30W) 4200 (6000k) (30W) 4900 (3000k) (35W) 5200 (4000k) (35W) 4900 (6000k) (35W) 5900 (3000k) (44W) 6400 (4000k) (44W) 5900 (6000k) (44W)	5000 (3000k) (35W) 5400 (4000k) (35W) 5000 (6000k) (35W) 6300 (3000k) (45W) 6700 (4000k) (45W) 6300 (6000k) (45W) 7400 (3000k) (53W) 7900 (4000k) (53W) 7400 (6000k) (53W) 8400 (3000k) (63W) 9200 (4000k) (63W) 8400 (6000k) (63W)
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	0.87, 0.87, 0.9, 0.93	0.9, 0.93, 0.95, 0.95	0.93, 0.95, 0.95, 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)	1.4	1.7	2
Inrush Current (peak/duration) (A)	18 / 290µs	18 / 290µs	20 / 271µs
Protection	Class I, IK08, IP20	Class I, IK08, IP20	Class I, IK08, IP20
Emergency Luminous Flux (lm)	500	500	500

Light Source Specifications – Sensor

Lighting Technology used	LED	LED	LED
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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)	25	39	57
Energy Efficiency Class	D	D	D
Useful Luminous Flux (lm)	3700 (3000k) 4100 (4000k) 3700 (6000k)	5900 (3000k) 6400 (4000k) 5900 (6000k)	8400 (3000k) 9200 (4000k) 8400 (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)	25.2	38.5	56.7
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	72Vdc 350mA	110Vdc 350mA	162Vdc 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 (not for /S Sensor)
Suspension Kit	SUS-BTN04	4 wires included, maximum 1.2m drop

Niva III Twin output setting

Code	NIV4FT27	NIV5FT44	NIV6FT63																		
Default Power	27 W	44 W	63 W																		
Alternative Power	17 W	25 W	35 W																		
Alternative Luminous Flux	2400 lm (3000 K) 2600 lm (4000 K) 2400 lm (6000 K)	3700 lm (3000 K) 3900 lm (4000 K) 3700 lm (6000 K)	5000 lm (3000 K) 5400 lm (4000 K) 5000 lm (6000 K)																		
Power Settings	<table border="1"> <tr> <td>Power</td> <td>17W</td> <td>27W</td> </tr> <tr> <td>DIP Switch</td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> </table>	Power	17W	27W	DIP Switch	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<table border="1"> <tr> <td>Power</td> <td>25W</td> <td>44W</td> </tr> <tr> <td>DIP Switch</td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> </table>	Power	25W	44W	DIP Switch	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<table border="1"> <tr> <td>Power</td> <td>35W</td> <td>63W</td> </tr> <tr> <td>DIP Switch</td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> </table>	Power	35W	63W	DIP Switch	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
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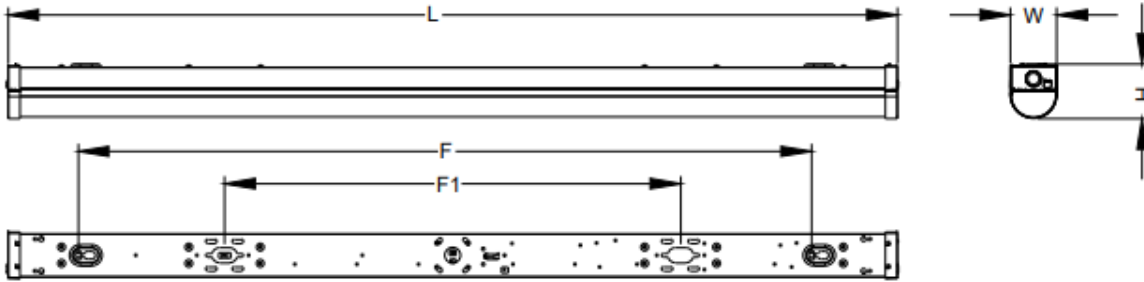
Niva III Sensor output setting

Code	NIV4FT27/S	NIV5FT44/S	NIV6FT63/S																																													
Default Power / Driver Current	27 W / 350 mA	44 W / 350 mA	63 W / 350 mA																																													
Alternative Power / Driver Current	17 W / 200 mA 20 W / 250 mA 24 W / 300 mA	25 W / 200 mA 30 W / 250 mA 35 W / 300 mA	35 W / 200 mA 45 W / 250 mA 53 W / 300 mA																																													
Alternative Luminous Flux	2400 lm (17 W 3000K) 2600 lm (17 W 4000K) 2400 lm (17 W 6000K) 2800 lm (20 W 3000K) 3000 lm (20 W 4000K) 2800 lm (20 W 6000K) 3400 lm (24 W 3000K) 3600 lm (24 W 4000K) 3400 lm (24 W 6000K)	3700 lm (25 W 3000K) 3900 lm (25 W 4000K) 3700 lm (25 W 6000K) 4200 lm (30 W 3000K) 4500 lm (30 W 4000K) 4200 lm (30 W 6000K) 4900 lm (35 W 3000K) 5200 lm (35 W 4000K) 4900 lm (35 W 6000K)	5000 lm (35 W 3000K) 5400 lm (35 W 4000K) 5000 lm (35 W 6000K) 6300 lm (45 W 3000K) 6700 lm (45 W 4000K) 6300 lm (45 W 6000K) 7400 lm (53 W 3000K) 7900 lm (53 W 4000K) 7400 lm (53 W 6000K)																																													
Driver Output Current Settings	<table border="1"> <tr> <th>Output Current</th> <th>DIP1</th> <th>DIP2</th> </tr> <tr> <td>200 mA</td> <td>-</td> <td>-</td> </tr> <tr> <td>250 mA</td> <td>ON</td> <td>-</td> </tr> <tr> <td>300 mA</td> <td>-</td> <td>ON</td> </tr> <tr> <td>350 mA</td> <td>ON</td> <td>ON</td> </tr> </table>	Output Current	DIP1	DIP2	200 mA	-	-	250 mA	ON	-	300 mA	-	ON	350 mA	ON	ON	<table border="1"> <tr> <th>Output Current</th> <th>DIP1</th> <th>DIP2</th> </tr> <tr> <td>200 mA</td> <td>-</td> <td>-</td> </tr> <tr> <td>250 mA</td> <td>ON</td> <td>-</td> </tr> <tr> <td>300 mA</td> <td>-</td> <td>ON</td> </tr> <tr> <td>350 mA</td> <td>ON</td> <td>ON</td> </tr> </table>	Output Current	DIP1	DIP2	200 mA	-	-	250 mA	ON	-	300 mA	-	ON	350 mA	ON	ON	<table border="1"> <tr> <th>Output Current</th> <th>DIP1</th> <th>DIP2</th> </tr> <tr> <td>200 mA</td> <td>-</td> <td>-</td> </tr> <tr> <td>250 mA</td> <td>ON</td> <td>-</td> </tr> <tr> <td>300 mA</td> <td>-</td> <td>ON</td> </tr> <tr> <td>350 mA</td> <td>ON</td> <td>ON</td> </tr> </table>	Output Current	DIP1	DIP2	200 mA	-	-	250 mA	ON	-	300 mA	-	ON	350 mA	ON	ON
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Niva III DALI output setting

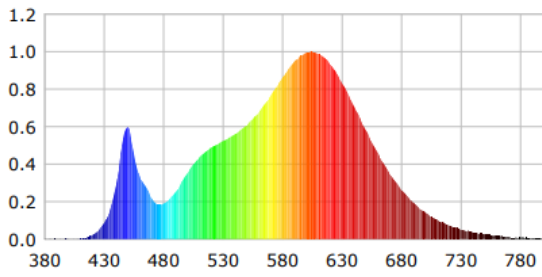
Code	NIV4FT27/DA	NIV5FT44/DA	NIV6FT63/DA																																																																																																																																																																																																			
Default Power / Driver Current	27 W / 350 mA	44 W / 350 mA	63 W / 350 mA																																																																																																																																																																																																			
Alternative Power / Driver Current	8 W / 100 mA 9 W / 120 mA 11 W / 135 mA 12 W / 150 mA 14 W / 175 mA 16 W / 200 mA 18 W / 225 mA 20 W / 250 Ma 22 W / 275 mA 24 W / 300 mA 26 W / 325 mA	13 W / 100 mA 15 W / 120 mA 17 W / 135 mA 19 W / 150 mA 22 W / 175 mA 25 W / 200 mA 29 W / 225 mA 32 W / 250 mA 35 W / 275 mA 38 W / 300 mA 41 W / 325 mA	18 W / 100 mA 22 W / 120 mA 24 W / 135 mA 27 W / 150 mA 32 W / 175 mA 36 W / 200 mA 41 W / 225 mA 45 W / 250 mA 50 W / 275 mA 54 W / 300 mA 59 W / 325 mA																																																																																																																																																																																																			
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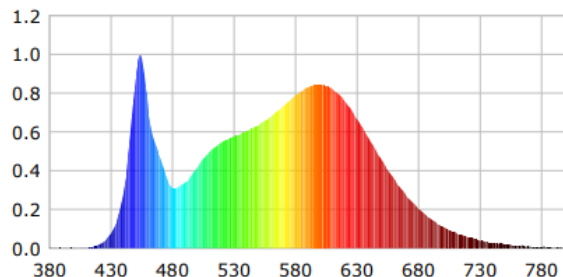


Product Range	Length(mm)	Width(mm)	Height (mm)	Fixing (mm)	Besa Boxes Fixing(mm)
4ft	1170	61	71	965	600
5ft	1470	61	71	1265	600
6ft	1734	61	71	1529	600

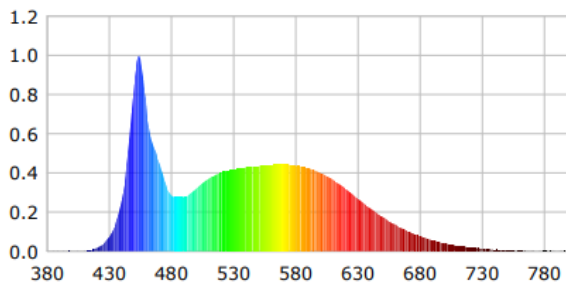
Photometric Information



3000K



4000K



6000K