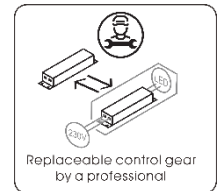
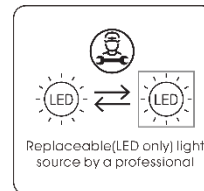


Kennet

LED Batten with Emergency and DALI 2, Push, 1-10V dimming or Microwave Sensor Options and TP(a) rated diffuser.



Overview

The Kosnic LED integrated battens utilise high performance LEDs to offer outstanding lumen efficiency. The battens have a switchable CCT (3000/4000/6000K) and are flicker-free so they are suitable for a wide range of applications including offices, corridors, warehouses, factories and garages. The product range also has the option for a plug & play emergency module, DALI 2, Push, 1-10V dimming option, or microwave motion and daylight sensor options. The Kennet also features a TP(a) rated diffuser.

Features

- Switchable CCT (3000/4000/6000K)
- Flicker-free
- Optional emergency module
- Optional DALI 2, Push, 1-10V dimming
- Optional microwave motion and daylight sensors with corridor dimming
- High efficiency up to 110lm/W
- Class I, IK08
- Suitable for through-wiring
- BESA mounting and 20mm conduit entry
- Long operational life of 40,000h
- Instant start
- Negligible UV output
- TP(a) rated diffuser.

Emergency Module

The optional emergency module provides power in the event of a cut in the supply and requires an unswitched supply in addition to the switched supply for the standard illumination. The battery will supply the luminaire for over 3 hours at a reduced output.

Microwave Sensor

The optional microwave motion sensor can be adjusted to control the operational ambient light level threshold, detection sensitivity and illumination time. There is also the option to have corridor dimming functionality.

Specifications (Standard)

Product Code	KEN4F-SCT	KEN5F-SCT	KEN6F-SCT
ID	06273	06308	06309
Voltage	220-240 Vac 50-60 Hz	220-240 Vac 50-60 Hz	220-240 Vac 50-60 Hz
Current (mA)	137	220	297
Rated Power (W)	30	48	65
CCT	3000k (Warm White) 4000k (Cool White) 6000k (Day Light)	3000k (Warm White) 4000k (Cool White) 6000k (Day Light)	3000k (Warm White) 4000k (Cool White) 6000k (Day Light)
Power Factor	0.95	0.95	0.95
In-rush current (A)	33 / 35 us	44 / 43 us	44 / 43us
Luminous Flux (lm)	3000 (3000k) 3300 (4000k) 3000 (6000k)	4800 (3000k) 5200 (4000k) 4800 (6000k)	6500 (3000k) 7100 (4000k) 6500 (6000k)
Nominal Lifetime (h)	40000	40000	40000
Lifetime (L70B50) (h)	60000	60000	60000
Lifetime (L80B10) (h)	60000	60000	60000
Lifetime (L90) (h)	48000	48000	48000
Blue Light Hazard	RG1	RG1	RG1
Glow Wire Temperature (°C)	650	650	650
Dimensions (LxWxD) (mm)	1178 x 205 x 87	1478 x 205 x 87	1778 x 205 x 87
Weight (Kg)	2.45	3	3.55
Protection	Class I, IK08, IP20	Class I, IK08, IP20	Class I, IK08, IP20
Ambient Temperature (°C)	-20 to 40	-20 to 40	-20 to 40
Emergency Module Battery	BEM03, BEM03/ST	BEM03, BEM03/ST	BEM03, BEM03/ST
Emergency Luminous Flux (lm)	300	300	300

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)	29	45	52
Energy Efficiency Class	E (3000k) E (4000k) E (6000k)	E (3000k) D (4000k) E (6000k)	E (3000k) E (4000k) E (6000k)
Useful Luminous Flux (lm)	3800 (3000k) 4000 (4000k) 3800 (6000k)	6200 (3000k) 6700 (4000k) 6200 (6000k)	7000 (3000k) 7500 (4000k) 7000 (6000k)
Beam Angle Correspondence (°)	360	360	360
CCT	3000k (Warm White) 4000k (Cool White) 6300k (Day Light)	3000k (Warm White) 4000k (Cool White) 6300k (Day Light)	3000k (Warm White) 4000k (Cool White) 6300k (Day Light)
On-mode power (Pon) (W)	29	45	52
Standby power (Psb) (W)	0	0	0
Networked standby power (Pnet) (W)	N/A	N/A	N/A
CRI	82	82	82

Dimensions (LxWxD) (mm)	1178 x 205 x 87	1478 x 205 x 87	1778 x 205 x 87
Claim of equivalent power	No	No	No
Equivalent power (W)	N/A	N/A	N/A
Chromaticity Coordinates	0.433 (x) 0.403 (y) (3000k) 0.377 (x) 0.369 (y) (4000k) 0.315 (x),0.334 (y) (6000k)	0.433 (x) 0.403 (y) (3000k) 0.377 (x) 0.369 (y) (4000k) 0.315 (x),0.334 (y) (6000k)	0.433 (x) 0.403 (y) (3000k) 0.377 (x) 0.369 (y) (4000k) 0.315 (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)	11 (3000k) 23 (4000k) 23 (6000k)	11 (3000k) 23 (4000k) 23 (6000k)	11 (3000k) 23 (4000k) 23 (6000k)
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

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

Specifications (DALI)

Product Code	KEN4F-SCT/D	KEN5F-SCT/D	KEN6F-SCT/D
ID	06285	06286	06287
Voltage	220-240 Vac 50-60 Hz	220-240 Vac 50-60 Hz	220-240 Vac 50-60 Hz
Current (mA)	137	220	297
Rated Power (W)	30	48	65
CCT	3000k (Warm White) 4000k (Cool White) 6000k (Day Light)	3000k (Warm White) 4000k (Cool White) 6000k (Day Light)	3000k (Warm White) 4000k (Cool White) 6000k (Day Light)
Power Factor	0.95	0.95	0.95
In-rush current (A)	9.7 / 150 us	11.2 / 182 us	9.2 / 174us
Luminous Flux (lm)	3000 (3000k) 3300 (4000k) 3000 (6000k)	4800 (3000k) 5200 (4000k) 4800 (6000k)	6500 (3000k) 7100 (4000k) 6500 (6000k)
Nominal Lifetime (h)	40000	40000	40000
Lifetime (L70B50) (h)	60000	60000	60000
Lifetime (L80B10) (h)	60000	60000	60000
Lifetime (L9) (h)	48000	48000	48000
Blue Light Hazard	RG1	RG1	RG1
Glow Wire Temperature (°C)	650	650	650
Dimensions (LxWxD) (mm)	1178 x 205 x 87	1478 x 205 x 87	1778 x 205 x 87
Weight (Kg)	2.45	3	3.55
Protection	Class I, IK08, IP20	Class I, IK08, IP20	Class I, IK08, IP20
Ambient Temperature (°C)	-20 to 40	-20 to 40	-20 to 40
Emergency Module Battery	BEM03, BEM03/ST	BEM03, BEM03/ST	BEM03, BEM03/ST
Emergency Luminous Flux (lm)	300	300	300

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)	29	45	52
Energy Efficiency Class	E (3000k) E (4000k) E (6000k)	E (3000k) D (4000k) E (6000k)	E (3000k) E (4000k) E (6000k)
Useful Luminous Flux (lm)	3800 (3000k) 4000 (4000k) 3800 (6000k)	6200 (3000k) 6700 (4000k) 6200 (6000k)	7000 (3000k) 7500 (4000k) 7000 (6000k)
Beam Angle Correspondence (°)	360	360	360
CCT	3000k (Warm White) 4000k (Cool White) 6300k (Day Light)	3000k (Warm White) 4000k (Cool White) 6300k (Day Light)	3000k (Warm White) 4000k (Cool White) 6300k (Day Light)
On-mode power (Pon) (W)	29	45	52
Standby power (Psb) (W)	0	0	0
Networked standby power (Pnet) (W)	N/A	N/A	N/A
CRI	82	82	82
Dimensions (LxWxD) (mm)	1178 x 205 x 87	1478 x 205 x 87	1778 x 205 x 87
Claim of equivalent power	No	No	No
Equivalent power (W)	N/A	N/A	N/A
Chromaticity Coordinates	0.433 (x) 0.403 (y) (3000k) 0.377 (x) 0.369 (y) (4000k) 0.315 (x),0.334 (y) (6000k)	0.433 (x) 0.403 (y) (3000k) 0.377 (x) 0.369 (y) (4000k) 0.315 (x),0.334 (y) (6000k)	0.433 (x) 0.403 (y) (3000k) 0.377 (x) 0.369 (y) (4000k) 0.315 (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)	11 (3000k) 23 (4000k) 23 (6000k)	11 (3000k) 23 (4000k) 23 (6000k)	11 (3000k) 23 (4000k) 23 (6000k)
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

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

Optional Microwave Sensors

Product Code	KBTNLS1-MWS2 (Not suitable for DALI version)
Voltage	12Vdc
Stand-by Power	≤0.5mW
Protection	IP20 (when integrated)
Connection	Connector
Working Mode	5V PWM
Frequency / Transmission Power	5.8GHz ± 75MHz ISM band / 0.5mW max
Mounting Height	3-4m (Max 6m)
Detection Radius	≥6m (mounting height 3m, moving speed 0.3m/s)
Detection Area	100%/50%
Detection Angle	150°
Hold Time	8s/30s/3min/30min
Daylight Sensor	5lux/15lux/50lux/Disable
Stand-by Dimming Level	25%/50%
Stand-by Dimming Period	0s/30s/3min/+∞
Net Weight	20g
Operating Temperature	-25 to 60 °C

Product Code	MWS-DCA (Not suitable for DALI version)
Voltage	12Vdc
Stand-by Power	<0.5 W
Protection	Class II, IP20
Connection	Connector
Working Mode	5V PWM
Frequency / Transmission Power	5.8GHz ± 75MHz ISM band / 0.5mW max
Mounting Height	6m (Max)
Detection Radius	≥4m (mounting height 3m, moving speed 0.3m/s)
Detection Area	25%/50%/75%/100%
Detection Angle	150°
Hold time	5 sec / 30 sec / 1 min / 3 min / 5 min /10 min /20 min /30 min
Daylight sensor	5lux/15lux/30lux/50lux/100lux/150lux/Disable
Stand-by Dimming Level	10%/20%/30%/50%
Stand-by Dimming Period	0 sec / 10 sec / 1 min / 3 min / 5 min /10 min / 30 min / +∞
Net Weight	18g
Operating Temperature	-40 – 60 °C

DALI dimming versions output setting

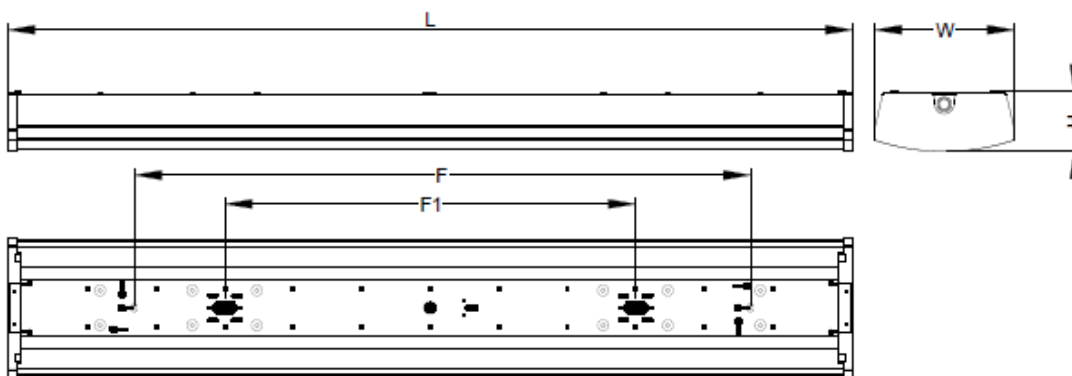
Code	KEN4F-SCT/D	KEN5F-SCT/D	KEN6F-SCT/D																																																																																																																																																																										
Default Power / Driver Current	30 W / 700 mA	48 W / 950 mA	65 W / 1200 mA																																																																																																																																																																										
Alternative Power / Driver Current	10 W / 200 mA 11 W / 225 mA 12 W / 250 mA 13 W / 275 mA 14 W / 300 mA 16 W / 325 mA 17 W / 350 mA 18 W / 375 mA 19 W / 400 mA 22 W / 450 mA 24 W / 500 mA 27 W / 550 mA 29 W / 600 mA 31 W / 650 mA	29 W / 550 mA 32 W / 600 mA 35 W / 650 mA 37 W / 700 mA 40 W / 750 mA 43 W / 800 mA 45 W / 850 mA 48 W / 900 mA	48 W / 900 mA 51 W / 950 mA 53 W / 1000 mA 56 W / 1050 mA 59 W / 1100 mA 61 W / 1150 mA																																																																																																																																																																										
Luminous Flux	1062 lm (10W) 1195 lm (11W) 1328 lm (12W) 1460 lm (13W) 1596 lm (14W) 1726 lm (16W) 1859 lm (17W) 1991 lm (18W) 2124 lm (19W) 2390 lm (22W) 2655 lm (24W) 2921 lm (27W) 3186 lm (29W) 3452 lm (31W)	3168 lm (29W) 3456 lm (32W) 3744 lm (35W) 4032 lm (37W) 4320 lm (40W) 4608 lm (43W) 4896 lm (45W) 5184 lm (48W)	5232 lm (48W) 5523 lm (51W) 5813 lm (53W) 6104 lm (56W) 6395 lm (59W) 6685 lm (61W)																																																																																																																																																																										
Output Current Settings	<table border="1"> <thead> <tr> <th>Output Current</th> <th>DIP1</th> <th>DIP2</th> <th>DIP3</th> <th>DIP4</th> </tr> </thead> <tbody> <tr><td>200 mA</td><td>ON</td><td>ON</td><td>ON</td><td>ON</td></tr> <tr><td>225 mA</td><td>-</td><td>ON</td><td>ON</td><td>ON</td></tr> <tr><td>250 mA</td><td>ON</td><td>-</td><td>ON</td><td>ON</td></tr> <tr><td>275 mA</td><td>-</td><td>-</td><td>ON</td><td>ON</td></tr> <tr><td>300 mA</td><td>ON</td><td>ON</td><td>-</td><td>ON</td></tr> <tr><td>325 mA</td><td>-</td><td>ON</td><td>-</td><td>ON</td></tr> <tr><td>350 mA</td><td>ON</td><td>-</td><td>-</td><td>ON</td></tr> <tr><td>375 mA</td><td>-</td><td>-</td><td>-</td><td>ON</td></tr> <tr><td>400 mA</td><td>ON</td><td>ON</td><td>ON</td><td>-</td></tr> <tr><td>450 mA</td><td>-</td><td>ON</td><td>ON</td><td>-</td></tr> <tr><td>500 mA</td><td>ON</td><td>-</td><td>ON</td><td>-</td></tr> <tr><td>550 mA</td><td>-</td><td>-</td><td>ON</td><td>-</td></tr> <tr><td>600 mA</td><td>ON</td><td>ON</td><td>-</td><td>-</td></tr> <tr><td>650 mA</td><td>-</td><td>ON</td><td>-</td><td>-</td></tr> <tr><td>700 mA</td><td>ON</td><td>-</td><td>-</td><td>-</td></tr> </tbody> </table>	Output Current	DIP1	DIP2	DIP3	DIP4	200 mA	ON	ON	ON	ON	225 mA	-	ON	ON	ON	250 mA	ON	-	ON	ON	275 mA	-	-	ON	ON	300 mA	ON	ON	-	ON	325 mA	-	ON	-	ON	350 mA	ON	-	-	ON	375 mA	-	-	-	ON	400 mA	ON	ON	ON	-	450 mA	-	ON	ON	-	500 mA	ON	-	ON	-	550 mA	-	-	ON	-	600 mA	ON	ON	-	-	650 mA	-	ON	-	-	700 mA	ON	-	-	-	<table border="1"> <thead> <tr> <th>Output Current</th> <th>DIP1</th> <th>DIP2</th> <th>DIP3</th> <th>DIP4</th> </tr> </thead> <tbody> <tr><td>550 mA</td><td>ON</td><td>ON</td><td>ON</td><td>ON</td></tr> <tr><td>600 mA</td><td>-</td><td>ON</td><td>ON</td><td>ON</td></tr> <tr><td>650 mA</td><td>ON</td><td>-</td><td>ON</td><td>ON</td></tr> <tr><td>700 mA</td><td>-</td><td>-</td><td>ON</td><td>ON</td></tr> <tr><td>750 mA</td><td>ON</td><td>ON</td><td>-</td><td>ON</td></tr> <tr><td>800 mA</td><td>-</td><td>ON</td><td>-</td><td>ON</td></tr> <tr><td>850 mA</td><td>ON</td><td>-</td><td>-</td><td>ON</td></tr> <tr><td>900 mA</td><td>-</td><td>-</td><td>-</td><td>ON</td></tr> <tr><td>950 mA</td><td>ON</td><td>ON</td><td>ON</td><td>-</td></tr> </tbody> </table>	Output Current	DIP1	DIP2	DIP3	DIP4	550 mA	ON	ON	ON	ON	600 mA	-	ON	ON	ON	650 mA	ON	-	ON	ON	700 mA	-	-	ON	ON	750 mA	ON	ON	-	ON	800 mA	-	ON	-	ON	850 mA	ON	-	-	ON	900 mA	-	-	-	ON	950 mA	ON	ON	ON	-	<table border="1"> <thead> <tr> <th>Output Current</th> <th>DIP1</th> <th>DIP2</th> <th>DIP3</th> <th>DIP4</th> </tr> </thead> <tbody> <tr><td>900 mA</td><td>ON</td><td>ON</td><td>ON</td><td>ON</td></tr> <tr><td>950 mA</td><td>-</td><td>ON</td><td>ON</td><td>ON</td></tr> <tr><td>1000 mA</td><td>ON</td><td>-</td><td>ON</td><td>ON</td></tr> <tr><td>1050 mA</td><td>-</td><td>-</td><td>ON</td><td>ON</td></tr> <tr><td>1100 mA</td><td>ON</td><td>ON</td><td>-</td><td>ON</td></tr> <tr><td>1150 mA</td><td>-</td><td>ON</td><td>-</td><td>ON</td></tr> <tr><td>1200 mA</td><td>ON</td><td>-</td><td>-</td><td>ON</td></tr> </tbody> </table>	Output Current	DIP1	DIP2	DIP3	DIP4	900 mA	ON	ON	ON	ON	950 mA	-	ON	ON	ON	1000 mA	ON	-	ON	ON	1050 mA	-	-	ON	ON	1100 mA	ON	ON	-	ON	1150 mA	-	ON	-	ON	1200 mA	ON	-	-	ON
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* The DALI dimming versions can be set to a lower alternative output wattage from the factory setting.

Accessories

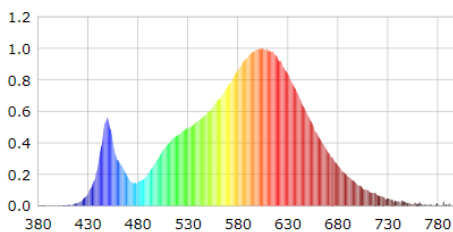
Description:	Order Code	Details:
Emergency Module	BEM03	Emergency, with LiFePO4 battery
Self-test Emergency Module	BEM03/ST	Self-test emergency, with LiFePO4 battery
Battery	BAT20LFP2	LiFePO4, 2000mAh, 6.4V battery
Microwave Sensor	MWS-DCA	Microwave motion and daylight sensor (For KEN4F-SCT, KEN5F-SCT, KEN6F-SCT)
Microwave Sensor	KBTNLS1-MWS2	Microwave motion and daylight sensor (For KEN4F-SCT, KEN5F-SCT, KEN6F-SCT)
Remote Control for Microwave Sensor	KPT-MWS-CON	Remote Control for MWS-DCA

Dimensions

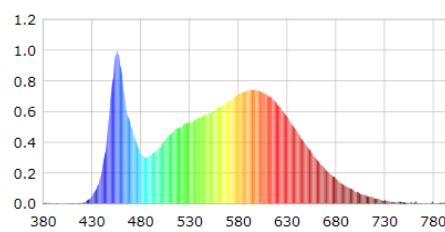


Product Code	Length(mm)	Width(mm)	Height (mm)	Fixing (mm)	Besa Boxes Fixing(mm)
4F	1178	205	87	845	600
5F	1478	205	87	1145	600
6F	1778	205	87	1415	600

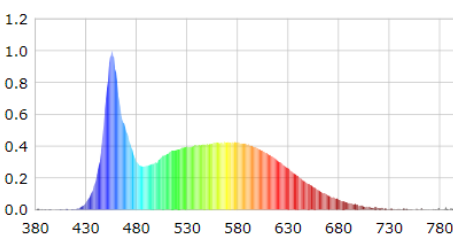
Photometric Information



3000K



4000K



6000K