



# CoreLine Batten – the clear choice for LED

## CoreLine Batten

Whether for a new building or renovation of an existing space, customers want lighting solutions that provide quality of light and substantial energy and maintenance savings. The new CoreLine Batten range of LED products can be used to replace traditional battens with fluorescent lamps. The process of selecting, installing and maintaining is so easy – it's a simple switch.

### Benefits

- Up to 40% energy savings compared with TL-D
- Reliable LED technology – maintenance-free
- Direct replacement for conventional battens in terms of light performance, installation flexibility and length

### Features

- Reliable integrated LED technology, ensuring maintenance-free installation and a long lifetime
- Can be used to replace traditional 2x18 W and 2x36 W TL-D battens
- Wide-beam light distribution
- Frosted diffuser ensures visual comfort

### Application

- General area lighting
- Cove lighting
- Assembly lines

### Warnings and Safety

- The product is IPX0 & as such is not protected against water ingress and as such we strongly recommend that the environment in which the luminaire is to be installed is suitably checked
- If the above advice is not taken and the luminaires are subject to water ingress, Philips/Signify cannot guarantee safe failure and product warranty will become void

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## Specifications

<b>Type</b>	BN120C (internal push-in connection version) BN121C (IEC external power connection version)
<b>Light source</b>	Philips Fortimo LED Line 1R
<b>Power (+/-10%)</b>	20 W (600 mm version) 40 W (1200 mm version)
<b>Beam angle</b>	55°
<b>Luminous flux</b>	1900 lm (600 mm version) 3800 lm (1200 mm version)
<b>Correlated Color</b>	3000 or 4000 K
<b>Temperature</b>	
<b>Color Rendering Index</b>	≥ 80
<b>Median useful life</b>	50,000 hours
<b>L70B50</b>	
<b>Median useful life</b>	30,000 hours
<b>L80B50</b>	
<b>Median useful life</b>	15,000 hours
<b>L90B50</b>	
<b>Driver failure rate</b>	1% per 5000 hours
<b>Average ambient temperature</b>	+25 °C
<b>Operating temperature range</b>	0 to +35 °C

<b>Driver</b>	Built-in, replaceable
<b>Mains voltage</b>	220-240V / 50-60 Hz
<b>Dimming</b>	Non-dimming
<b>Material</b>	Housing: steel Diffuser: polycarbonate, extruded
<b>Color</b>	White
<b>Optical cover</b>	Polycarbonate, frosted
<b>Connection</b>	Push-in connector with pull relief or external IEC power connector
<b>Maintenance</b>	No internal cleaning required
<b>Installation</b>	Direct fixation with screws or fixation with ceiling mounted bracket Through-wiring possible In case of external power connection the product can be installed without removing the lightsource and cover
<b>Accessories</b>	Ceiling mounted bracket and suspension hook (BN120Z)
<b>Remarks</b>	In case of push-in connection type need to order separately the ceiling mount bracket, for the type with external power connection the bracket is included

## Versions

CoreLine Batten - LED Module,  
system flux 2100 lm



## Product details

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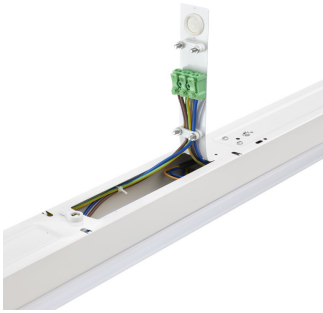


CoreLine\_Batten-BN124C-2DPP.tif



# CoreLine Batten

## Product details



CoreLine\_Batten-BN124C-3DPP.tif

### Application Conditions

Ambient temperature range	0 to +35 °C
Suitable for random switching	Yes

### Approval and Application

Mech. impact protection code	IK02
Ingress protection code	IP20

### Controls and Dimming

Dimmable	No
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### Operating and Electrical

Input Voltage	220-240 V
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### General Information

CE mark	CE mark
Protection class IEC	Safety class I (I)
Driver included	Yes
ENEC mark	-
Flammability mark	FF
Glow-wire test	850/30
Light source replaceable	No
Number of gear units	1 unit
Optic type	No

### Initial Performance (IEC Compliant)

Init. Corr. Colour Temperature	4000 K
Init. Colour Rendering Index	>80
Luminous flux tolerance	+/-10%

### Mechanical and Housing

Colour	White
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### General Information

Order Code	Full Product Name	Lamp family code
07472599	BN124C LED21S/840 PSU TW1 L600	LED21S
07474999	BN124C LED41S/840 PSU TW1 L1200	LED41S
38001499	BN124C LED64S/840 PSU TW1 L1500	LED64S

## CoreLine Batten

Order Code	Full Product Name	Initial chromaticity	Initial LED luminaire efficacy	Initial luminous flux	Initial input power
07472599	BN124C LED21S/840 PSU TW1 L600	(0.38, 0.38)	110 lm/W	2100 lm	19 W
07474999	BN124C LED41S/840 PSU TW1 L1200	(0.38, 0.38) SDC	108 lm/W	4100 lm	38 W

Order Code	Full Product Name	Initial chromaticity	Initial LED luminaire efficacy	Initial luminous flux	Initial input power
38001499	BN124C LED64S/840 PSU TW1 L1500	(0.38, 0.38)	107 lm/W	6400 lm	60 W

