



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

Specifications

Type	BN120C (internal push-in connection version) BN121C (IEC external power connection version)	Power (+/-10%)	20 W (600 mm version) 40 W (1200 mm version)
Light source	Philips Fortimo LED Line 1R	Beam angle	55°

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Luminous flux	1900 lm (600 mm version)
	3800 lm (1200 mm version)
Correlated Color Temperature	3000 or 4000 K
Color Rendering Index	≥ 80
Median useful life L70B50	50,000 hours
Median useful life L80B50	30,000 hours
Median useful life L90B50	15,000 hours
Driver failure rate	1% per 5000 hours
Average ambient temperature	+25 °C
Operating temperature range	0 to +35 °C
Driver	Built-in, replaceable
Mains voltage	220-240V / 50-60 Hz

Dimming	Non-dimming
Material	Housing: steel
	Diffuser: polycarbonate, extruded
Color	White
Optical cover	Polycarbonate, frosted
Connection	Push-in connector with pull relief or external IEC power connector
Maintenance	No internal cleaning required
Installation	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
Accessories	Ceiling mounted bracket and suspension hook (BN120Z)
Remarks	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

CoreLine_Batten-BN124C-1DPP.tif



CoreLine_Batten-BN124C-2DPP.tif



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Product details



CoreLine_Batten-BN124C-3DPP.tif

Application Conditions

Ambient temperature range	0 to +35 °C
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Approval and Application

Mech. impact protection code	IK02
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Ingress protection code	IP20
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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
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Protection class IEC	Safety class I (I)
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Driver included	Yes
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ENEC mark	-
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Flammability mark	FF
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Glow-wire test	850/30
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Light source replaceable	No
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Number of gear units	1 unit
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Optic type	No
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Initial Performance (IEC Compliant)

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

Initial Performance (IEC Compliant)

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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

