



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 50% 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 2x18W, 2x36W & 2x58W TL-D battens
- Through-wiring standard included
- Frosted diffuser ensures visual comfort

Application

- General area lighting
- Cove lighting
- Assembly lines

Specifications

Type	BN124C
Light source	Non-replaceable LED module

Power	19 W (2100 lm version)
	38 W (4100 lm version)
	60 W (6400 lm version)

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Beam angle	120°
Luminous flux	2100 lm (600 mm version, 4000 K)
	1900 lm (600 mm version, 3000 K)
	4100 lm (1200 mm version, 4000 K)
	3800 lm (1200 mm version, 3000 K)
	6400 lm (1500 mm version, 4000 K)
	6000 lm (1500 mm version, 3000 K)
Correlated Color Temperature	3000 or 4000 K
Color Rendering Index	≥ 80
Lumen maintenance at median useful life*	L70
50000 h	
Control gear failure rate at median useful life	5%
50000 h	
Performance Ambient Temperature Tq	+25 °C

Operating temperature range	0 to +35 °C
Driver	Built-in, not replaceable
Mains voltage	220-240 V / 50-60 Hz
Dimming	Not dimmable
Material	Housing: steel
	Diffuser: polycarbonate, extruded
Color	White
Optical cover	Polycarbonate, frosted
Connection	Push-in connector with pull relief
Maintenance	No internal cleaning required
Installation	Ceiling mounted bracket included
	Through-wiring integrated (TW1)
	The luminaire can be installed without removing the lightsource and cover

Versions

CoreLine Batten - LED Module, system flux 4100 lm



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



CoreLine_Batten-
BN124C_ELB3-1DPP.TIF



CoreLine_Batten-
BN124C_ELB3-2DPP.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

General Information

CE mark	CE mark
Protection class IEC	Safety class I
Driver included	Yes
ENEC mark	-
Glow-wire test	Temperature 850 °C, duration 30 s
Light source replaceable	No
Number of gear units	1 unit

Initial Performance (IEC Compliant)

Init. Color Rendering Index	>80
Luminous flux tolerance	+/-10%

Mechanical and Housing

Color	White
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Application Conditions

Order Code	Full Product Name	Maximum dim level
910500465175	BN124C LED41S/840 PSU ELB3 TW1 L1200	Not applicable
910500465177	BN124C LED64S/840 PSU ELB3 TW1 L1500	Not applicable
910503910279	BN124C LED41S/840 PSU TW1 L1200	-
910503910280	BN124C LED38S/830 PSU TW1 L1200	-
910503910281	BN124C LED64S/840 PSU TW1 L1500	-
910503910282	BN124C LED60S/830 PSU TW1 L1500	-
911401800280	BN124C LED41S/840 IA1 TW1 L1200	10%
911401800380	BN124C LED53S/840 IA1 TW1 L1500	10%
910503910277	BN124C LED21S/840 PSU TW1 L600	-
910503910278	BN124C LED19S/830 PSU TW1 L600	-

Controls and Dimming

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Order Code	Full Product Name	Dimmable
910500465175	BN124C LED41S/840 PSU ELB3 TW1 L1200	No
910500465177	BN124C LED64S/840 PSU ELB3 TW1 L1500	No
910503910279	BN124C LED41S/840 PSU TW1 L1200	No
910503910280	BN124C LED38S/830 PSU TW1 L1200	No
910503910281	BN124C LED64S/840 PSU TW1 L1500	No

Operating and Electrical

Order Code	Full Product Name	Input Voltage
910500465175	BN124C LED41S/840 PSU ELB3 TW1 L1200	220-240 V
910500465177	BN124C LED64S/840 PSU ELB3 TW1 L1500	220-240 V
910503910279	BN124C LED41S/840 PSU TW1 L1200	220-240 V
910503910280	BN124C LED38S/830 PSU TW1 L1200	220-240 V
910503910281	BN124C LED64S/840 PSU TW1 L1500	220-240 V

General Information (1/2)

Order Code	Full Product Name	Beam angle of light source	Cap-Base	Optical cover/ lens type	Flammability mark
910500465175	BN124C LED41S/840 PSU ELB3 TW1 L1200	120 °	-	Polycarbonate bowl/cover frosted	For mounting on easy flammable surfaces
910500465177	BN124C LED64S/840 PSU ELB3 TW1 L1500	120 °	-	Polycarbonate bowl/cover frosted	For mounting on easy flammable surfaces
910503910279	BN124C LED41S/840 PSU TW1 L1200	-	-	-	For mounting on easy flammable surfaces
910503910280	BN124C LED38S/830 PSU TW1 L1200	-	-	-	For mounting on easy flammable surfaces
910503910281	BN124C LED64S/840 PSU TW1 L1500	-	-	-	For mounting on easy flammable surfaces

General Information (2/2)

Order Code	Full Product Name	Gear	Lamp family code	Optic type	Product Family Code
910500465175	BN124C LED41S/840 PSU ELB3 TW1 L1200	-	LED41S	-	BN120C
910500465177	BN124C LED64S/840 PSU ELB3 TW1 L1500	-	LED64S	-	BN120C

Order Code	Full Product Name	Dimmable
910503910282	BN124C LED60S/830 PSU TW1 L1500	No
911401800280	BN124C LED41S/840 IA1 TW1 L1200	Yes
911401800380	BN124C LED53S/840 IA1 TW1 L1500	Yes
910503910277	BN124C LED21S/840 PSU TW1 L600	No
910503910278	BN124C LED19S/830 PSU TW1 L600	No

Order Code	Full Product Name	Input Voltage
910503910282	BN124C LED60S/830 PSU TW1 L1500	220-240 V
911401800280	BN124C LED41S/840 IA1 TW1 L1200	220 to 240 V
911401800380	BN124C LED53S/840 IA1 TW1 L1500	220 to 240 V
910503910277	BN124C LED21S/840 PSU TW1 L600	220-240 V
910503910278	BN124C LED19S/830 PSU TW1 L600	220-240 V

Order Code	Full Product Name	Beam angle of light source	Cap-Base	Optical cover/ lens type	Flammability mark
910503910282	BN124C LED60S/830 PSU TW1 L1500	-	-	-	For mounting on easy flammable surfaces
911401800280	BN124C LED41S/840 IA1 TW1 L1200	120 °	-	-	For mounting on easily flammable surfaces
911401800380	BN124C LED53S/840 IA1 TW1 L1500	120 °	-	-	For mounting on easily flammable surfaces
910503910277	BN124C LED21S/840 PSU TW1 L600	-	-	-	For mounting on easy flammable surfaces
910503910278	BN124C LED19S/830 PSU TW1 L600	-	-	-	For mounting on easy flammable surfaces

Order Code	Full Product Name	Gear	Lamp family code	Optic type	Product Family Code
910503910279	BN124C LED41S/840 PSU TW1 L1200	-	LED41S	-	-
910503910280	BN124C LED38S/830 PSU TW1 L1200	-	LED38S	-	-

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Order Code	Full Product Name	Gear	Lamp family code	Optic type	Product Family Code
910503910281	BN124C LED64S/840 PSU TW1 L1500	-	LED64S	-	-
910503910282	BN124C LED60S/830 PSU TW1 L1500	-	LED60S	-	-
911401800280	BN124C LED41S/840 IA1 TW1 L1200	-	-	Beam angle 120°	-

Order Code	Full Product Name	Gear	Lamp family code	Optic type	Product Family Code
911401800380	BN124C LED53S/840 IA1 TW1 L1500	-	-	Beam angle 120°	-
910503910277	BN124C LED21S/840 PSU TW1 L600	-	LED21S	-	-
910503910278	BN124C LED19S/830 PSU TW1 L600	-	LED19S	-	-

Initial Performance (IEC Compliant) (1/2)

Order Code	Full Product Name	Initial chromaticity	Init. Corr. Color Temperature	Initial LED luminaire efficacy	Initial luminous flux
910500465175	BN124C LED41S/840 PSU ELB3 TW1 L1200	(0.38, 0.38) SDC M<3	4000 K	97.5 lm/W	4100 lm
910500465177	BN124C LED64S/840 PSU ELB3 TW1 L1500	(0.38, 0.38) SDC M<3	4000 K	108 lm/W	6400 lm
910503910279	BN124C LED41S/840 PSU TW1 L1200	(0.38, 0.38) SDC M<5	4000 K	108 lm/W	4100 lm
910503910280	BN124C LED38S/830 PSU TW1 L1200	(0.44, 0.41) SDCM <5	3000 K	100 lm/W	3800 lm
910503910281	BN124C LED64S/840 PSU TW1 L1500	(0.38, 0.38) SDCM <5	4000 K	107 lm/W	6400 lm

Order Code	Full Product Name	Initial chromaticity	Init. Corr. Color Temperature	Initial LED luminaire efficacy	Initial luminous flux
910503910282	BN124C LED60S/830 PSU TW1 L1500	(0.44, 0.41) SDCM <5	3000 K	100 lm/W	6000 lm
911401800280	BN124C LED41S/840 IA1 TW1 L1200	(0.38, 0.38) SDCM <3	4000 K	114 lm/W	4100 lm
911401800380	BN124C LED53S/840 IA1 TW1 L1500	(0.38, 0.38) SDCM <3	4000 K	120 lm/W	5300 lm
910503910277	BN124C LED21S/840 PSU TW1 L600	(0.38, 0.38) SDCM <5	4000 K	110 lm/W	2100 lm
910503910278	BN124C LED19S/830 PSU TW1 L600	(0.44, 0.41) SDCM <5	3000 K	100 lm/W	1900 lm

Initial Performance (IEC Compliant) (2/2)

Order Code	Full Product Name	Initial input power
910500465175	BN124C LED41S/840 PSU ELB3 TW1 L1200	42 W
910500465177	BN124C LED64S/840 PSU ELB3 TW1 L1500	60 W
910503910279	BN124C LED41S/840 PSU TW1 L1200	38 W
910503910280	BN124C LED38S/830 PSU TW1 L1200	38 W
910503910281	BN124C LED64S/840 PSU TW1 L1500	60 W

Order Code	Full Product Name	Initial input power
910503910282	BN124C LED60S/830 PSU TW1 L1500	60 W
911401800280	BN124C LED41S/840 IA1 TW1 L1200	36 W
911401800380	BN124C LED53S/840 IA1 TW1 L1500	44 W
910503910277	BN124C LED21S/840 PSU TW1 L600	19 W
910503910278	BN124C LED19S/830 PSU TW1 L600	19 W

Mechanical and Housing

Order Code	Full Product Name	Diameter	Width
910500465175	BN124C LED41S/840 PSU ELB3 TW1 L1200	-	- mm
910500465177	BN124C LED64S/840 PSU ELB3 TW1 L1500	-	- mm
910503910279	BN124C LED41S/840 PSU TW1 L1200	-	-
910503910280	BN124C LED38S/830 PSU TW1 L1200	-	-

Order Code	Full Product Name	Diameter	Width
910503910281	BN124C LED64S/840 PSU TW1 L1500	-	-
910503910282	BN124C LED60S/830 PSU TW1 L1500	-	-
911401800280	BN124C LED41S/840 IA1 TW1 L1200	-	-
911401800380	BN124C LED53S/840 IA1 TW1 L1500	-	-

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Order Code	Full Product Name	Diameter	Width
910503910277	BN124C LED21S/840 PSU TW1 L600	-	-

Order Code	Full Product Name	Diameter	Width
910503910278	BN124C LED19S/830 PSU TW1 L600	-	-

Over Time Performance (IEC Compliant)

Order Code	Full Product Name	Median useful life L80B50	Median useful life L90B50
910500465175	BN124C LED41S/840 PSU ELB3 TW1 L1200	30000 h	15000 h
910500465177	BN124C LED64S/840 PSU ELB3 TW1 L1500	30000 h	15000 h
910503910279	BN124C LED41S/840 PSU TW1 L1200	-	-
910503910280	BN124C LED38S/830 PSU TW1 L1200	-	-

Order Code	Full Product Name	Median useful life L80B50	Median useful life L90B50
910503910281	BN124C LED64S/840 PSU TW1 L1500	-	-
910503910282	BN124C LED60S/830 PSU TW1 L1500	-	-
911401800280	BN124C LED41S/840 IA1 TW1 L1200	-	-
911401800380	BN124C LED53S/840 IA1 TW1 L1500	-	-
910503910277	BN124C LED21S/840 PSU TW1 L600	-	-
910503910278	BN124C LED19S/830 PSU TW1 L600	-	-

