![Philips Lighting logo]

An Easier Way to More Savings

SmartBright LED Batten G2

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. This new 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
· More slim: One piece PC extrusion housing
· Easier for installation: Central and side cable entry
· More types: Interconnectable version – Turnkable version added BN013C (NEW)

Features
· One piece PC extrusion housing: Single piece Integral design for better aesthetics
· Central and side cable entry Ready solution for both new point and replacement
· Newly designed male/female socket Enables continuous light line
· 2,000lm@4ft and 1,000lm@2ft Greater brightness
· CRI 80, SDCM <6, 100lm/W Superior light quality combined with good energy savings
· Uniform Light Optimal optical design to ensure no spottiness
· L70 25k hours Reliable long lasting solution

Application
· General lighting, indoor
· Indoor car park, industry, shop, office, school
· Long distance linear lighting
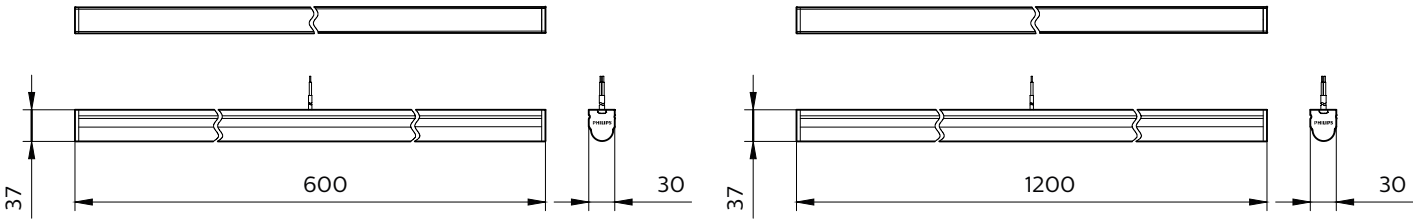
data subject to change

SmartBright LED Batten G2

Versions

SmartBright LED batten G2 BN012C

Dimensional drawing

Product details

SmartBright LED batten G2
BN012C middle

SmartBright LED batten G2
BN012C side

SmartBright LED Batten G2

General Information

CE mark	CE mark
Driver included	Yes
Light source replaceable	No
Number of gear units	1 unit

Light Technical

Optical cover type	Polycarbonate linear
Color rendering index (CRI)	>80
Luminous Efficacy (rated) (Nom)	100 lm/W
Optic type	Wide beam

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz

Controls and Dimming

Dimmable	No

Mechanical and Housing

Housing Color	White

Approval and Application

Protection class IEC	Safety class II
Mech. impact protection code	IK00
Ingress protection code	IP20

Initial Performance (IEC Compliant)

Initial chromaticity	SDCM<6
Luminous flux tolerance	+/-10%

Application Conditions

Maximum dim level	Not applicable

General Information

Order Code	Full Product Name	Glow-wire test
01806797	BN012C LED20/NW L1200 G2	Temperature 750 °C, duration 5 s
01806897	BN012C LED20/CW L1200 G2	Temperature 650 °C, duration 5 s
01807097	BN012C LED10/NW L600 G2	Temperature 660 °C, duration 5 s
01807197	BN012C LED10/CW L600 G2	Temperature 660 °C, duration 5 s
01807297	BN012C LED20/WW L1200 TH G2	Temperature 650 °C, duration 5 s

Light Technical

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Luminous Flux
01806797	BN012C LED20/NW L1200 G2	4000 K	2,000 lm
01806897	BN012C LED20/CW L1200 G2	6500 K	2,000 lm
01807097	BN012C LED10/NW L600 G2	4000 K	1,000 lm

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Luminous Flux
01807197	BN012C LED10/CW L600 G2	6500 K	1,000 lm
01807297	BN012C LED20/WW L1200 TH G2	3000 K	2,000 lm

Operating and Electrical

Order Code	Full Product Name	Power Consumption
01806797	BN012C LED20/NW L1200 G2	20 W
01806897	BN012C LED20/CW L1200 G2	20 W
01807097	BN012C LED10/NW L600 G2	10 W

Order Code	Full Product Name	Power Consumption
01807197	BN012C LED10/CW L600 G2	10 W
01807297	BN012C LED20/WW L1200 TH G2	20 W

Temperature

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Order Code	Full Product Name	Ambient temperature range
01806797	BN012C LED20/NW L1200 G2	+20 to +35 ℃
01806897	BN012C LED20/CW L1200 G2	+20 to +35 ℃
01807097	BN012C LED10/NW L600 G2	+10 to +35 ℃

Order Code	Full Product Name	Ambient temperature range
01807197	BN012C LED10/CW L600 G2	+10 to +35 ℃
01807297	BN012C LED20/WW L1200 TH G2	+20 to +35 ℃