



# An Easier Way to More Savings

## Essential Smartbright LED 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. 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

- Slim and trunkable, integrated design
- To replace T5 Essential Batten TCH086/084
- Polycarbonate housing with one pc extrusion process
- Semi-transparent endcap eliminates the black spot entirely in trunking
- Different type can mix and match, flexible in a long length
- Sockets and accessories compatible with BN066C & TCH086 EV

### Features

- One piece PC extrusion housing, Single piece integral design for better aesthetics
- Transparent end cap, Enables continuous light line without black spots up to 10pcs
- CRI 80, SDCM < 7, 80lm/W, Superior light quality combined with good energy savings
- Slim profile, Ideal for task lighting / cove lighting applications
- Slim and narrow end cap, Fits the cove or shelf more easily
- Uniform Light, Optimal optical design to ensure no spottiness
- L70 20k hours, Reliable long lasting solution
- 4 lengths, 3 colors, Increased number of options for easy application

### Application

- Indirect lighting: Shelf, cove, back light box, ambient
- Direct lighting: Convenient store, Long distance linear lighting

# Essential Smartbright LED Batten

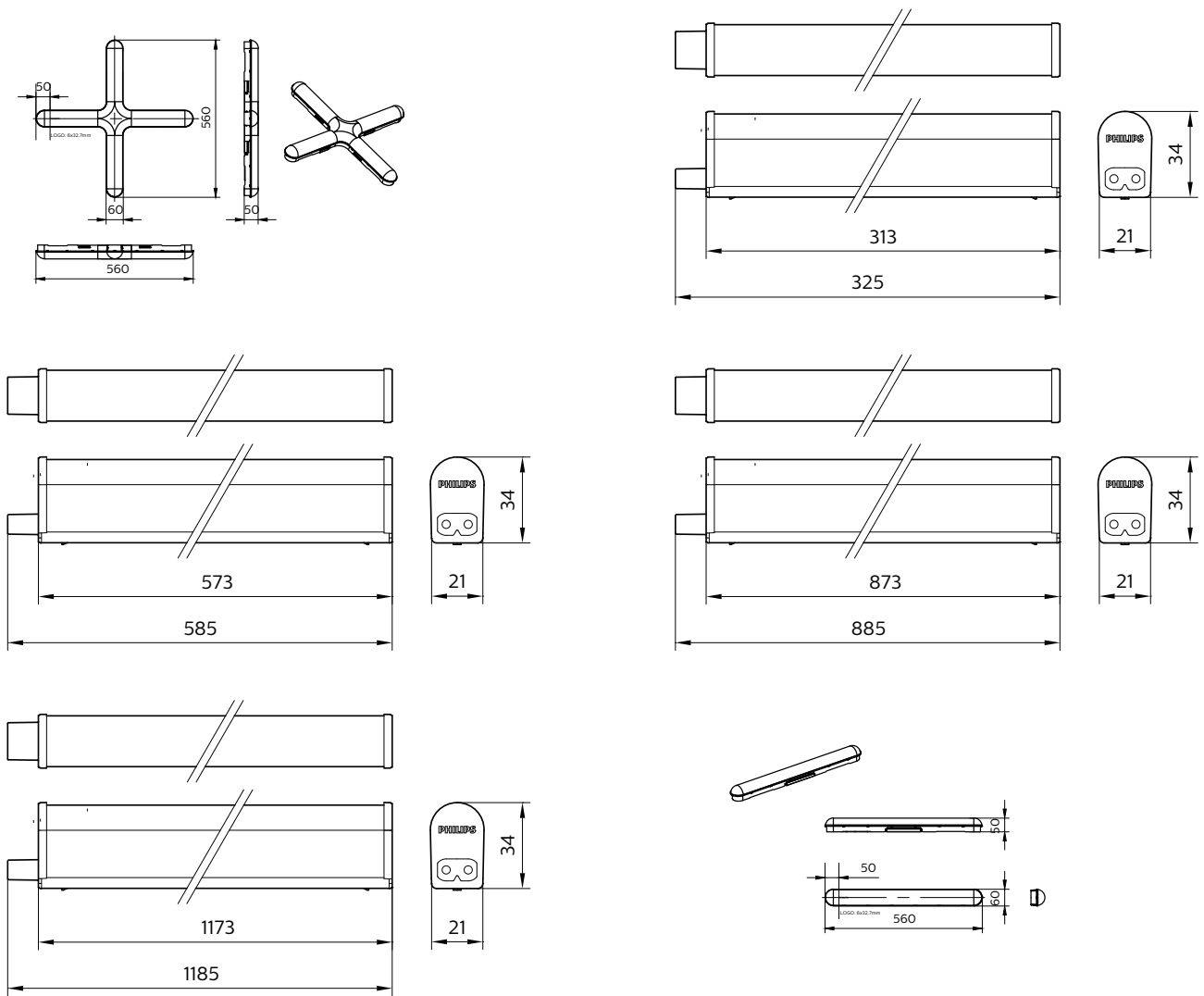
## Versions



Essential SmartBright BN017C

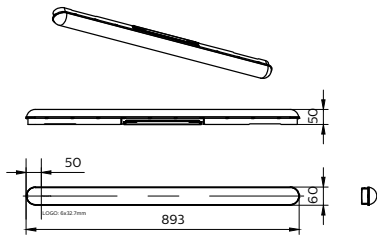
Essential SmartBright BN017C

## Dimensional drawing



# Essential Smartbright LED Batten

## Dimensional drawing



## Product details

Essential SmartBright BN017C



Essential SmartBright BN017C



Essential SmartBright BN017C



# Essential Smartbright LED Batten

General Information	
Driver included	Yes
Gear	-
Number of gear units	1 unit
Light Technical	
Optic type	Wide beam
Temperature	
Ambient temperature range	-20 to +40 °C
Mechanical and Housing	
Housing Color	White
Approval and Application	
CE mark	-
Protection class IEC	Safety class II
ENEC mark	-
Ingress protection code	IP20
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Application Conditions	
Maximum dim level	Not applicable

## General Information

Order Code	Full Product Name	Light source replaceable
911401805987	BN017C LED30/840 2ft	-
911401806087	BN017C LED30/857 2ft	-
911401818497	BN068C LED3/CW L300 G2	No
911401818597	BN068C LED3/NW L300 G2	No
911401818697	BN068C LED3/WW L300 G2	No
911401818797	BN068C LED6/CW L600 G2	No
911401818897	BN068C LED6/NW L600 G2	No
911401818997	BN068C LED6/WW L600 G2	No
911401819097	BN068C LED9/CW L900 G2	No
911401819197	BN068C LED9/NW L900 G2	No
911401819297	BN068C LED9/WW L900 G2	No
911401819397	BN068C LED12/CW L1200 G2	No
911401819497	BN068C LED12/NW L1200 G2	No
911401819597	BN068C LED12/WW L1200 G2	No
911401820297	BN068C LED3/CW L300 TH G2	No
911401820497	BN068C LED3/WW L300 TH G2	No
911401820597	BN068C LED6/CW L600 TH G2	No
911401820697	BN068C LED6/NW L600 TH G2	No
911401820797	BN068C LED6/WW L600 TH G2	No
911401820897	BN068C LED9/CW L900 TH G2	No
911401820997	BN068C LED9/NW L900 TH G2	No
911401821097	BN068C LED9/WW L900 TH G2	No
911401821197	BN068C LED12/CW L1200 TH G2	No
911401821297	BN068C LED12/NW L1200 TH G2	No
911401821397	BN068C LED12/WW L1200 TH G2	No
911401806387	BN017C LED50/840 3ft	-
911401806487	BN017C LED50/857 3ft	-
911401806187	BN017C LED60/840 X 2ft	-
911401806287	BN017C LED60/857 X 2ft	-

## Light Technical (1/2)

Order Code	Full Product Name	Beam angle of light source	Correlated Color Temperature (Nom)	Optical cover type	Color rendering index (CRI)
911401805987	BN017C LED30/840 2ft	110 degree(s)	4000 K	Opal	80
911401806087	BN017C LED30/857 2ft	110 degree(s)	5700 K	Opal	80
911401818497	BN068C LED3/CW L300 G2	-	6500 K	Polycarbonate linear	>80
911401818597	BN068C LED3/NW L300 G2	-	4000 K	Polycarbonate linear	>80
911401818697	BN068C LED3/WW L300 G2	-	3000 K	Polycarbonate linear	>80

Order Code	Full Product Name	Beam angle of light source	Correlated Color Temperature (Nom)	Optical cover type	Color rendering index (CRI)
911401818797	BN068C LED6/CW L600 G2	-	6500 K	Polycarbonate linear	>80
911401818897	BN068C LED6/NW L600 G2	-	4000 K	Polycarbonate linear	>80
911401818997	BN068C LED6/WW L600 G2	-	3000 K	Polycarbonate linear	>80
911401819097	BN068C LED9/CW L900 G2	-	6500 K	Polycarbonate linear	>80

## Essential Smartbright LED Batten

Order Code	Full Product Name	Beam angle of light source	Correlated Color Temperature (Nom)	Optical cover type	Color rendering index (CRI)
911401819197	BN068C LED9/NW L900 G2	-	4000 K	Polycarbonate linear	>80
911401819297	BN068C LED9/WW L900 G2	-	3000 K	Polycarbonate linear	>80
911401819397	BN068C LED12/CW L1200 G2	-	6500 K	Polycarbonate linear	>80
911401819497	BN068C LED12/NW L1200 G2	-	4000 K	Polycarbonate linear	>80
911401819597	BN068C LED12/WW L1200 G2	-	3000 K	Polycarbonate linear	>80
911401820297	BN068C LED3/CW L300 TH G2	-	6500 K	Polycarbonate linear	>80
911401820497	BN068C LED3/WW L300 TH G2	-	3000 K	Polycarbonate linear	>80
911401820597	BN068C LED6/CW L600 TH G2	-	6500 K	Polycarbonate linear	>80
911401820697	BN068C LED6/NW L600 TH G2	-	4000 K	Polycarbonate linear	>80
911401820797	BN068C LED6/WW L600 TH G2	-	3000 K	Polycarbonate linear	>80

Order Code	Full Product Name	Beam angle of light source	Correlated Color Temperature (Nom)	Optical cover type	Color rendering index (CRI)
911401820897	BN068C LED9/CW L900 TH G2	-	6500 K	Polycarbonate linear	>80
911401820997	BN068C LED9/NW L900 TH G2	-	4000 K	Polycarbonate linear	>80
911401821097	BN068C LED9/WW L900 TH G2	-	3000 K	Polycarbonate linear	>80
911401821197	BN068C LED12/CW L1200 TH G2	-	6500 K	Polycarbonate linear	>80
911401821297	BN068C LED12/NW L1200 TH G2	-	4000 K	Polycarbonate linear	>80
911401821397	BN068C LED12/WW L1200 TH G2	-	3000 K	Polycarbonate linear	>80
911401806387	BN017C LED50/840 3ft	110 degree(s)	4000 K	Opal	80
911401806487	BN017C LED50/857 3ft	110 degree(s)	5700 K	Opal	80
911401806187	BN017C LED60/840 X 2ft	110 degree(s)	4000 K	Opal	80
911401806287	BN017C LED60/857 X 2ft	110 degree(s)	5700 K	Opal	80

### Light Technical (2/2)

Order Code	Full Product Name	Luminous Efficacy (rated) (Nom)	Luminous Flux	Number of light sources
911401805987	BN017C LED30/840 2ft	100 lm/W	3,000 lm	1
911401806087	BN017C LED30/857 2ft	100 lm/W	3,000 lm	1
911401818497	BN068C LED3/CW L300 G2	88 lm/W	300 lm	-
911401818597	BN068C LED3/NW L300 G2	88 lm/W	300 lm	-
911401818697	BN068C LED3/WW L300 G2	88 lm/W	300 lm	-
911401818797	BN068C LED6/CW L600 G2	92 lm/W	600 lm	-
911401818897	BN068C LED6/NW L600 G2	92 lm/W	600 lm	-

Order Code	Full Product Name	Luminous Efficacy (rated) (Nom)	Luminous Flux	Number of light sources
911401818997	BN068C LED6/WW L600 G2	92 lm/W	600 lm	-
911401819097	BN068C LED9/CW L900 G2	94 lm/W	900 lm	-
911401819197	BN068C LED9/NW L900 G2	94 lm/W	900 lm	-
911401819297	BN068C LED9/WW L900 G2	94 lm/W	900 lm	-
911401819397	BN068C LED12/CW L1200 G2	92 lm/W	1,200 lm	-
911401819497	BN068C LED12/NW L1200 G2	92 lm/W	1,200 lm	-

## Essential Smartbright LED Batten

Order Code	Full Product Name	Luminous Efficacy (rated)		Number of light sources
		(Nom)	Luminous Flux	
911401819597	BN068C LED12/WW L1200 G2	92 lm/W	1,200 lm	-
911401820297	BN068C LED3/CW L300 TH G2	88 lm/W	300 lm	-
911401820497	BN068C LED3/WW L300 TH G2	88 lm/W	300 lm	-
911401820597	BN068C LED6/CW L600 TH G2	92 lm/W	600 lm	-
911401820697	BN068C LED6/NW L600 TH G2	92 lm/W	600 lm	-
911401820797	BN068C LED6/WW L600 TH G2	92 lm/W	600 lm	-
911401820897	BN068C LED9/CW L900 TH G2	94 lm/W	900 lm	-
911401820997	BN068C LED9/NW L900 TH G2	94 lm/W	900 lm	-

Order Code	Full Product Name	Luminous Efficacy (rated)		Number of light sources
		(Nom)	Luminous Flux	
911401821097	BN068C LED9/WW L900 TH G2	94 lm/W	900 lm	-
911401821197	BN068C LED12/CW L1200 TH G2	92 lm/W	1,200 lm	-
911401821297	BN068C LED12/NW L1200 TH G2	92 lm/W	1,200 lm	-
911401821397	BN068C LED12/WW L1200 TH G2	92 lm/W	1,200 lm	-
911401806387	BN017C LED50/840 3ft	100 lm/W	5,000 lm	1
911401806487	BN017C LED50/857 3ft	100 lm/W	5,000 lm	1
911401806187	BN017C LED60/840 X 2ft	100 lm/W	6,000 lm	1
911401806287	BN017C LED60/857 X 2ft	100 lm/W	6,000 lm	1

### Operating and Electrical

Order Code	Full Product Name	Input Voltage	Line Frequency	Power
				Consumption
911401805987	BN017C LED30/840 2ft	220 V	60 Hz	30 W
911401806087	BN017C LED30/857 2ft	220 V	60 Hz	30 W
911401818497	BN068C LED3/CW L300 G2	220 to 240 V	50 to 60 Hz	3.4 W
911401818597	BN068C LED3/NW L300 G2	220 to 240 V	50 to 60 Hz	3.4 W
911401818697	BN068C LED3/WW L300 G2	220 to 240 V	50 to 60 Hz	3.4 W
911401818797	BN068C LED6/CW L600 G2	220 to 240 V	50 to 60 Hz	6.5 W
911401818897	BN068C LED6/NW L600 G2	220 to 240 V	50 to 60 Hz	6.5 W
911401818997	BN068C LED6/WW L600 G2	220 to 240 V	50 to 60 Hz	6.5 W
911401819097	BN068C LED9/CW L900 G2	220 to 240 V	50 to 60 Hz	9.6 W
911401819197	BN068C LED9/NW L900 G2	220 to 240 V	50 to 60 Hz	9.6 W
911401819297	BN068C LED9/WW L900 G2	220 to 240 V	50 to 60 Hz	9.6 W
911401819397	BN068C LED12/CW L1200 G2	220 to 240 V	50 to 60 Hz	13 W
911401819497	BN068C LED12/NW L1200 G2	220 to 240 V	50 to 60 Hz	13 W
911401819597	BN068C LED12/WW L1200 G2	220 to 240 V	50 to 60 Hz	13 W
911401820297	BN068C LED3/CW L300 TH G2	220 to 240 V	50 to 60 Hz	3.4 W

Order Code	Full Product Name	Input Voltage	Line Frequency	Power
				Consumption
911401820497	BN068C LED3/WW L300 TH G2	220 to 240 V	50 to 60 Hz	3.4 W
911401820597	BN068C LED6/CW L600 TH G2	220 to 240 V	50 to 60 Hz	6.5 W
911401820697	BN068C LED6/NW L600 TH G2	220 to 240 V	50 to 60 Hz	6.5 W
911401820797	BN068C LED6/WW L600 TH G2	220 to 240 V	50 to 60 Hz	6.5 W
911401820897	BN068C LED9/CW L900 TH G2	220 to 240 V	50 to 60 Hz	9.6 W
911401820997	BN068C LED9/NW L900 TH G2	220 to 240 V	50 to 60 Hz	9.6 W
911401821097	BN068C LED9/WW L900 TH G2	220 to 240 V	50 to 60 Hz	9.6 W
911401821197	BN068C LED12/CW L1200 TH G2	220 to 240 V	50 to 60 Hz	13 W
911401821297	BN068C LED12/NW L1200 TH G2	220 to 240 V	50 to 60 Hz	13 W
911401821397	BN068C LED12/WW L1200 TH G2	220 to 240 V	50 to 60 Hz	13 W
911401806387	BN017C LED50/840 3ft	220 V	60 Hz	50 W
911401806487	BN017C LED50/857 3ft	220 V	60 Hz	50 W
911401806187	BN017C LED60/840 X 2ft	220 V	60 Hz	60 W
911401806287	BN017C LED60/857 X 2ft	220 V	60 Hz	60 W

# Essential Smartbright LED Batten

## Controls and Dimming

Order Code	Full Product Name	Dimmable
911401805987	BN017C LED30/840 2ft	-
911401806087	BN017C LED30/857 2ft	-
911401818497	BN068C LED3/CW L300 G2	No
911401818597	BN068C LED3/NW L300 G2	No
911401818697	BN068C LED3/WW L300 G2	No
911401818797	BN068C LED6/CW L600 G2	No
911401818897	BN068C LED6/NW L600 G2	No
911401818997	BN068C LED6/WW L600 G2	No
911401819097	BN068C LED9/CW L900 G2	No
911401819197	BN068C LED9/NW L900 G2	No
911401819297	BN068C LED9/WW L900 G2	No
911401819397	BN068C LED12/CW L1200 G2	No
911401819497	BN068C LED12/NW L1200 G2	No
911401819597	BN068C LED12/WW L1200 G2	No
911401820297	BN068C LED3/CW L300 TH G2	No

Order Code	Full Product Name	Dimmable
911401820497	BN068C LED3/WW L300 TH G2	No
911401820597	BN068C LED6/CW L600 TH G2	No
911401820697	BN068C LED6/NW L600 TH G2	No
911401820797	BN068C LED6/WW L600 TH G2	No
911401820897	BN068C LED9/CW L900 TH G2	No
911401820997	BN068C LED9/NW L900 TH G2	No
911401821097	BN068C LED9/WW L900 TH G2	No
911401821197	BN068C LED12/CW L1200 TH G2	No
911401821297	BN068C LED12/NW L1200 TH G2	No
911401821397	BN068C LED12/WW L1200 TH G2	No
911401806387	BN017C LED50/840 3ft	-
911401806487	BN017C LED50/857 3ft	-
911401806187	BN017C LED60/840 X 2ft	-
911401806287	BN017C LED60/857 X 2ft	-

## Approval and Application

Order Code	Full Product Name	Flammability mark	Glow-wire test	Mech. impact protection code
911401805987	BN017C LED30/840 2ft	For mounting on normally flammable surfaces	Temperature 650 °C, duration 30 s	IK03
911401806087	BN017C LED30/857 2ft	For mounting on normally flammable surfaces	Temperature 650 °C, duration 30 s	IK03
911401818497	BN068C LED3/CW L300 G2	-	Temperature 850 °C, duration 5 s	IK00
911401818597	BN068C LED3/NW L300 G2	-	Temperature 850 °C, duration 5 s	IK00
911401818697	BN068C LED3/WW L300 G2	-	Temperature 850 °C, duration 5 s	IK00
911401818797	BN068C LED6/CW L600 G2	-	Temperature 850 °C, duration 5 s	IK00
911401818897	BN068C LED6/NW L600 G2	-	Temperature 850 °C, duration 5 s	IK00
911401818997	BN068C LED6/WW L600 G2	-	Temperature 850 °C, duration 5 s	IK00

Order Code	Full Product Name	Flammability mark	Glow-wire test	Mech. impact protection code
911401819097	BN068C LED9/CW L900 G2	-	Temperature 850 °C, duration 5 s	IK00
911401819197	BN068C LED9/NW L900 G2	-	Temperature 850 °C, duration 5 s	IK00
911401819297	BN068C LED9/WW L900 G2	-	Temperature 850 °C, duration 5 s	IK00
911401819397	BN068C LED12/CW L1200 G2	-	Temperature 850 °C, duration 5 s	IK00
911401819497	BN068C LED12/NW L1200 G2	-	Temperature 850 °C, duration 5 s	IK00
911401819597	BN068C LED12/WW L1200 G2	-	Temperature 850 °C, duration 5 s	IK00
911401820297	BN068C LED3/CW L300 TH G2	-	Temperature 850 °C, duration 5 s	IK00
911401820497	BN068C LED3/WW L300 TH G2	-	Temperature 850 °C, duration 5 s	IK00
911401820597	BN068C LED6/CW L600 TH G2	-	Temperature 850 °C, duration 5 s	IK00

## Essential Smartbright LED Batten

Order Code	Full Product Name	Flammability mark	Glow-wire test	Mech. impact protection
				code
911401820697	BN068C LED6/NW L600 TH G2	-	Temperature 850 °C, duration 5 s	IK00
911401820797	BN068C LED6/WW L600 TH G2	-	Temperature 850 °C, duration 5 s	IK00
911401820897	BN068C LED9/CW L900 TH G2	-	Temperature 850 °C, duration 5 s	IK00
911401820997	BN068C LED9/NW L900 TH G2	-	Temperature 850 °C, duration 5 s	IK00
911401821097	BN068C LED9/WW L900 TH G2	-	Temperature 850 °C, duration 5 s	IK00
911401821197	BN068C LED12/CW L1200 TH G2	-	Temperature 850 °C, duration 5 s	IK00
911401821297	BN068C LED12/NW L1200 TH G2	-	Temperature 850 °C, duration 5 s	IK00

Order Code	Full Product Name	Flammability mark	Glow-wire test	Mech. impact protection
				code
911401821397	BN068C LED12/WW L1200 TH G2	-	Temperature 850 °C, duration 5 s	IK00
911401806387	BN017C LED50/840 3ft TH G2	For mounting on normally flammable surfaces	Temperature 650 °C, duration 30 s	IK03
911401806487	BN017C LED50/857 3ft	For mounting on normally flammable surfaces	Temperature 650 °C, duration 30 s	IK03
911401806187	BN017C LED60/840 X 2ft	For mounting on normally flammable surfaces	Temperature 650 °C, duration 30 s	IK03
911401806287	BN017C LED60/857 X 2ft	For mounting on normally flammable surfaces	Temperature 650 °C, duration 30 s	IK03

### Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial chromaticity
911401805987	BN017C LED30/840 2ft	(0.38, 0.38) SDCM<7
911401806087	BN017C LED30/857 2ft	(0.33, 0.34) SDCM<7
911401818497	BN068C LED3/CW L300 G2	SDCM<7
911401818597	BN068C LED3/NW L300 G2	SDCM<7
911401818697	BN068C LED3/WW L300 G2	SDCM<7
911401818797	BN068C LED6/CW L600 G2	SDCM<7
911401818897	BN068C LED6/NW L600 G2	SDCM<7
911401818997	BN068C LED6/WW L600 G2	SDCM<7
911401819097	BN068C LED9/CW L900 G2	SDCM<7
911401819197	BN068C LED9/NW L900 G2	SDCM<7
911401819297	BN068C LED9/WW L900 G2	SDCM<7
911401819397	BN068C LED12/CW L1200 G2	SDCM<7
911401819497	BN068C LED12/NW L1200 G2	SDCM<7
911401819597	BN068C LED12/WW L1200 G2	SDCM<7
911401820297	BN068C LED3/CW L300 TH G2	SDCM<7

Order Code	Full Product Name	Initial chromaticity
911401820497	BN068C LED3/WW L300 TH G2	SDCM<7
911401820597	BN068C LED6/CW L600 TH G2	SDCM<7
911401820697	BN068C LED6/NW L600 TH G2	SDCM<7
911401820797	BN068C LED6/WW L600 TH G2	SDCM<7
911401820897	BN068C LED9/CW L900 TH G2	SDCM<7
911401820997	BN068C LED9/NW L900 TH G2	SDCM<7
911401821097	BN068C LED9/WW L900 TH G2	SDCM<7
911401821197	BN068C LED12/CW L1200 TH G2	SDCM<7
911401821297	BN068C LED12/NW L1200 TH G2	SDCM<7
911401821397	BN068C LED12/WW L1200 TH G2	SDCM<7
911401806387	BN017C LED50/840 3ft	(0.38, 0.38) SDCM<7
911401806487	BN017C LED50/857 3ft	(0.33, 0.34) SDCM<7
911401806187	BN017C LED60/840 X 2ft	(0.38, 0.38) SDCM<7
911401806287	BN017C LED60/857 X 2ft	(0.33, 0.34) SDCM<7

### Application Conditions

Order Code	Full Product Name	Suitable for random switching
911401805987	BN017C LED30/840 2ft	Not applicable
911401806087	BN017C LED30/857 2ft	Not applicable
911401818497	BN068C LED3/CW L300 G2	-
911401818597	BN068C LED3/NW L300 G2	-

Order Code	Full Product Name	Suitable for random switching
911401818697	BN068C LED3/WW L300 G2	-
911401818797	BN068C LED6/CW L600 G2	-
911401818897	BN068C LED6/NW L600 G2	-
911401818997	BN068C LED6/WW L600 G2	-



## Essential Smartbright LED Batten

Order Code	Full Product Name	Suitable for random switching
911401819097	BN068C LED9/CW L900 G2	-
911401819197	BN068C LED9/NW L900 G2	-
911401819297	BN068C LED9/WW L900 G2	-
911401819397	BN068C LED12/CW L1200 G2	-
911401819497	BN068C LED12/NW L1200 G2	-
911401819597	BN068C LED12/WW L1200 G2	-
911401820297	BN068C LED3/CW L300 TH G2	-
911401820497	BN068C LED3/WW L300 TH G2	-
911401820597	BN068C LED6/CW L600 TH G2	-
911401820697	BN068C LED6/NW L600 TH G2	-
911401820797	BN068C LED6/WW L600 TH G2	-

Order Code	Full Product Name	Suitable for random switching
911401820897	BN068C LED9/CW L900 TH G2	-
911401820997	BN068C LED9/NW L900 TH G2	-
911401821097	BN068C LED9/WW L900 TH G2	-
911401821197	BN068C LED12/CW L1200 TH G2	-
911401821297	BN068C LED12/NW L1200 TH G2	-
911401821397	BN068C LED12/WW L1200 TH G2	-
911401806387	BN017C LED50/840 3ft	Not applicable
911401806487	BN017C LED50/857 3ft	Not applicable
911401806187	BN017C LED60/840 X 2ft	Not applicable
911401806287	BN017C LED60/857 X 2ft	Not applicable

