

**PHILIPS**

Professional lighting

Essential SmartBright

# Essential SmartBright Slim LED Batten G2 (BN068C)

**Sonny Q**

BG Professional, Growth Markets

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# Essential SmartBright T5 LED batten G2 (BN068C)

Release Date: Jan 2017



An Easier Way to More Savings

**\*24% lower cost than the existing BN068C !**

## Application

Indirect lighting and direct lighting, indoor

*Indirect lighting: cove, cabinet & shop counter;*

*Direct lighting: general lighting (office/industry/public area)*

## USP & 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

## Feature and spec

- 1200lm @4ft, 900lm @3ft, 600lm@2ft, 300lm@1ft
- 14.2/10.6/7.3/3.6w
- Efficacy Typical: 80+lm/W
- **CRI >80**; CCT: 3000/4000/6500K
- Color consistence: SDCM <7
- **20KHrs @Ta25C**
- Working temperature range: -20 ~ 40° C
- Class II, 220-240V 50/60Hz, PF:0.5
- Max linkage: 10 pcs (can mix with different length and CCT)
- 24pcs per box with individual package for each with mono color printing, MOQ: 120 pcs
- CB, EMC,
- CoO: China



Segment: Trade- Contractor Range

\*the key runner 1200mm type in standard variant

# Essential SmartBright Slim LED Batten G2 (BN068C)



Less hassle,  
more savings



## Features :

- One piece PC extrusion housing
- Transparent end cap
- CRI 80, SDCM < 7, 80lm/W
- Slim profile
- Slim and narrow end cap
- Uniform Light
- L70 20k hours
- 4 lengths, 3 colors

Single piece integral design for better aesthetics

Enables continuous light line without black spots up to 10pcs

Superior light quality combined with good energy savings

Ideal for task lighting / cove lighting applications

Fits the cove or shelf more easily

Optimal optical design to ensure no spottiness

Reliable long lasting solution

Increased number of options for easy application

# Application

Indirect  
lighting



Shelf/counter



Cove



Back lit light  
box



Ambient

Direct  
lighting

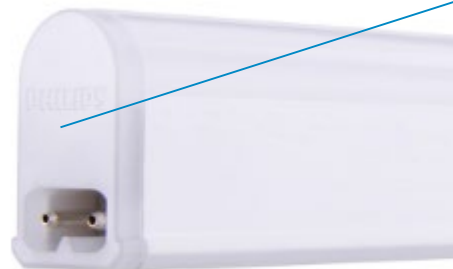
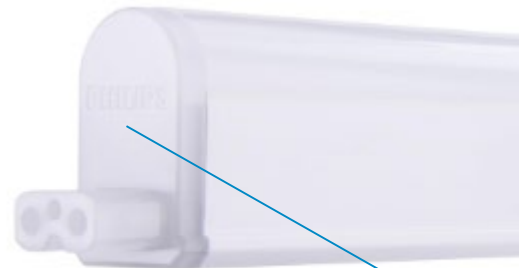
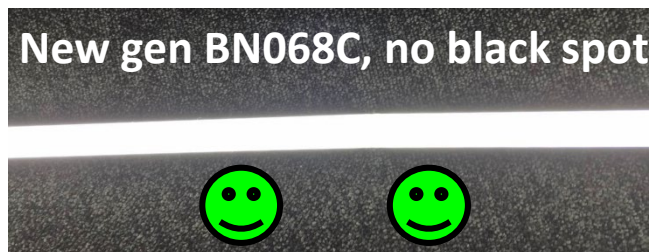
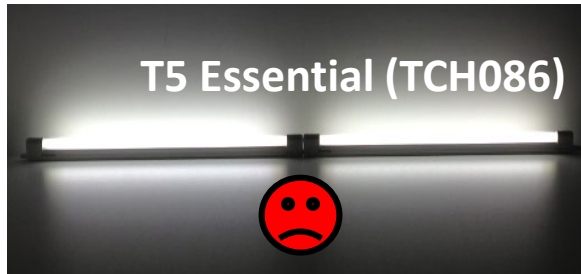


Convenient  
Store



Long distance  
linear lighting

# A genuine continuous linear lighting, without black spot



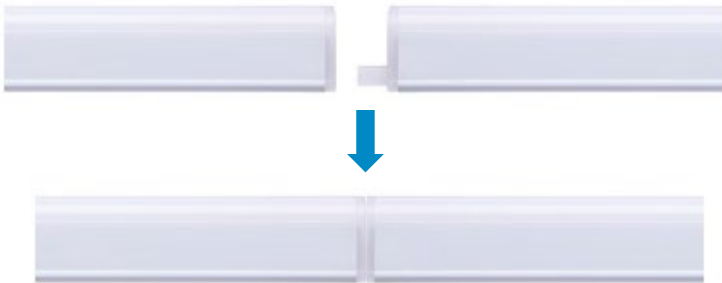
Semi transparent end cap, no black spot anymore



# Installation



- 2x metal brackets
  - 2x plastic expansion lock
  - 2x screw
  - 1x plastic bag
- (all in package)



BN068C  
Batten:  
vertical  
installation is  
allowed



T5 Essential batten  
is not allowed to  
install vertically  
due to poor  
contact caused by  
gravity



# Accessory



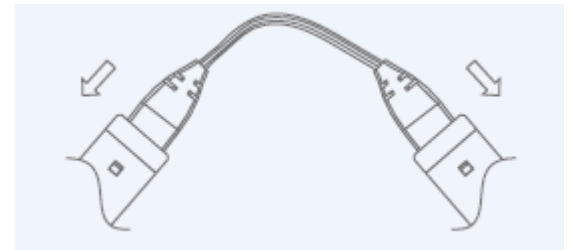
Power cable: drive max 10 pcs of fixture in one circuit

(ZCH086 C-2 911401591201)



Link cable: connect two  
battens in non linear  
coves.

(ZCH086 CCPA 911401591301)



# Specification

		L=1200mm	L=900mm	L=600mm	L=300mm
<b>System performance</b>	Lumen output(lm, typical)	1200 (4000K)	900 (4000K)	600 (4000K)	300 (4000K)
	CCT	3000K/4000K/6500K	3000K/4000K/6500K	3000K/4000K/6500K	3000K/4000K/6500K
	Power consumption(W) ±10%	Typ. 14w	Typ. 10.6w	Typ. 7w	Typ. 3.6w
	Efficacy Typ.(lm/W)	80	80	80	80
	Color consistency	≤7SDCM	≤7SDCM	≤7SDCM	≤7SDCM
	Lifetime (ta 25°C) @B50L70	20000hrs	20000hrs	20000hrs	20000hrs
	Ambient temperature of operation	25°C	25°C	25°C	25°C
	Working temperature range	-20 ~ 40°C	-20 ~ 40°C	-20 ~ 40°C	-20 ~ 40°C
	Electrical class 1, 2	Class II	Class II	Class II	Class II
	IP	IP20	IP20	IP20	IP20
<b>Optical</b>	CRI	80	80	80	80
	Beam angle	140	140	140	140
	Diffuser	yes	yes	yes	yes
<b>Electrical</b>	Supply Voltage ±10%	220-240V~ 50/60Hz	220-240V~ 50/60Hz	220-240V~ 50/60Hz	220-240V~ 50/60Hz
	Power factort (typ.)	0.5	0.5	0.5	0.5
<b>Mechanical &amp; appearance</b>	Dimension	L=min1185mm	L=min885mm	L=min585mm	L=min325mm
	Installation bracket	spring bracket, PC	spring bracket, PC	spring bracket, PC	spring bracket, PC
	Package	individual packing with MI inside, B/W printing, 24 boxes in 1 carton	individual packing with MI inside, B/W printing, 24 boxes in 1 carton	individual packing with MI inside, B/W printing, 24 boxes in 1 carton	individual packing with MI inside, B/W printing, 24 boxes in 1 carton
	Link (max)	10 pcs	10 pcs	10 pcs	10 pcs
<b>Approbation</b>	CB	yes	yes	yes	yes
	EMC/EMI	yes	yes	yes	yes



# Order information

	I2NC	EAN1	EAN3	SAP Description	Net Weight (Kg)	Gross Weight (Kg)/Inner box	Gross Weight (Kg)/Carton	Prod.Qty /Carton
Standard variant (power cable to purchase separately)	911401818497	8710163310381	8710163310688	BN068C LED3/CW L300 G2	0.054	0.069	2.2	24
	911401818597	8710163310398	8710163310695	BN068C LED3/NW L300 G2	0.054	0.069	2.2	24
	911401818697	8710163310404	8710163310701	BN068C LED3/WW L300 G2	0.054	0.069	2.2	24
	911401818797	8710163310411	8710163310718	BN068C LED6/CW L600 G2	0.084	0.104	3.3	24
	911401818897	8710163310428	8710163310725	BN068C LED6/NW L600 G2	0.084	0.104	3.3	24
	911401818997	8710163310435	8710163310732	BN068C LED6/WW L600 G2	0.084	0.104	3.3	24
	911401819097	8710163310442	8710163310749	BN068C LED9/CW L900 G2	0.118	0.206	4.6	24
	911401819197	8710163310459	8710163310756	BN068C LED9/NW L900 G2	0.118	0.206	4.6	24
	911401819297	8710163310466	8710163310763	BN068C LED9/WW L900 G2	0.118	0.206	4.6	24
	911401819397	8710163310473	8710163310770	BN068C LED12/CW L1200 G2	0.207	0.208	6.1	24
	911401819497	8710163310480	8710163310787	BN068C LED12/NW L1200 G2	0.207	0.208	6.1	24
	911401819597	8710163310497	8710163310794	BN068C LED12/WW L1200 G2	0.207	0.208	6.1	24
With power cable bundled variant (with ZCH086 C-2 911402091201 inside the box)	911401820297	8710163310565	8710163310862	BN068C LED3/CW L300 TH G2	0.054	0.089	2.7	24
	911401820397	8710163310572	8710163310879	BN068C LED3/NW L300 TH G2	0.054	0.089	2.7	24
	911401820497	8710163310589	8710163310886	BN068C LED3/WW L300 TH G2	0.054	0.089	2.7	24
	911401820597	8710163310596	8710163310893	BN068C LED6/CW L600 TH G2	0.084	0.124	3.9	24
	911401820697	8710163310602	8710163310909	BN068C LED6/NW L600 TH G2	0.084	0.124	3.9	24
	911401820797	8710163310619	8710163310916	BN068C LED6/WW L600 TH G2	0.084	0.124	3.9	24
	911401820897	8710163310626	8710163310923	BN068C LED9/CW L900 TH G2	0.118	0.176	5.3	24
	911401820997	8710163310633	8710163310930	BN068C LED9/NW L900 TH G2	0.118	0.176	5.3	24
	911401821097	8710163310640	8710163310947	BN068C LED9/WW L900 TH G2	0.118	0.176	5.3	24
	911401821197	8710163310657	8710163310954	BN068C LED12/CW L1200 TH G2	0.207	0.228	6.8	24
	911401821297	8710163310664	8710163310961	BN068C LED12/NW L1200 TH G2	0.207	0.228	6.8	24
	911401821397	8710163310671	8710163310978	BN068C LED12/WW L1200 TH G2	0.207	0.228	6.8	24

## Accessories (Sold separately)

	Product description I2NC	Order code
Power cable	ZCH086 C-2	911401591201
Link cable	ZCH086 CCPA	911401591301

# What is changed in G2, vs. G1 ?

	G1	G2
Lifetime	20,000 hours L70	20,000 hours L70
Supplier	Yankon	Weilinma
Power cable	To order separately	More flexible: You can choose the variant with or without power cable (ZCH086 C-2 911401591201)
Cost	-	24% lower

