

EnduraLED Batten BN 108C

105
Lm / W



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PHILIPS

Contents

- Product Objective
- Customer requirements
- Product Specifications
- Product Applications
- Product Installation Options
- Product Comparative with conventional
- Product Ordering Data

Product Objective

- To design and provide a LED solution for replacement of 1 x 28 / 1 x 36W and 2 x 28 / 2 x 36 W FTL Battens

Customers and their needs



- Industries / Factory owners / Warehouses
 - Save energy & reduce CO2 footprint
 - Operational budget savings
 - Maintenance cost reduction
 - Safe working environment with good lighting



- Installers:
 - Hassle-free installation process
 - Reliable system to avoid accidents/returns

EnduraLED Batten



> 45%
energy
saving



Features :

- High quality LED batten equivalent to a single / double T8/36W or T5/28W fluorescent batten
- System efficacy of 105 lm/W, > 45% energy saving with same lighting level
- Integrated design, easy to install & slim
- Good color uniformity and color rendering (CRI>80)
- Reliable and robust housing structure, maximize the endurance over the life time
- Suitable for both direct and indirect lighting application with mounting accessories
- Wide voltage operating range of 140 V – 270 V
- Power Factor of > 0.95 and THD < 10% makes it a perfect fit for all applications including textile /
5 spinning mills

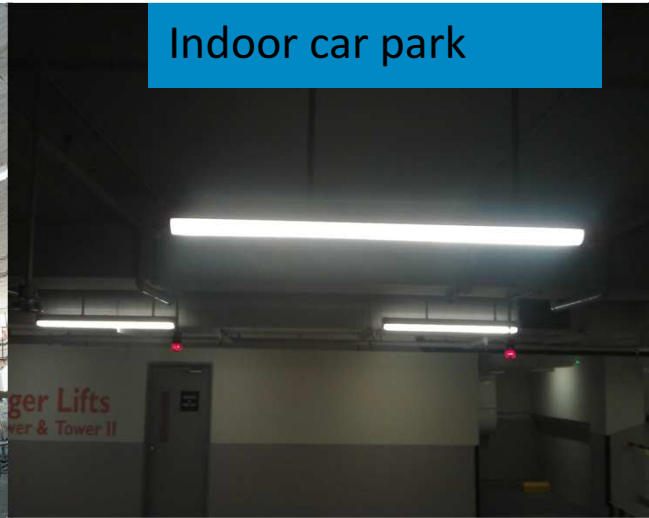
Product Specifications

Parameter	EnduraLED batten	
	4000 Lumen Batten	2000 Lumen Batten
Lumen output	4000	2000
System wattage	38W	19W
Luminous Efficacy	105	105
CCT	4000K / 6500K	4000K / 6500K
CRI	80	80
Mounting	conduit/ surface	conduit/ surface
Housing	CRCA	CRCA
IP	IP 20	IP 20
Luminaire compliance	Relevant LED IS standards	Relevant LED IS standards
Life	L70 40K	L70 40K
Operating temperature	Upto 45 deg C	Upto 45 deg C
T ambient	+ 45 deg C	+ 45 deg C
PF	> 0.95	> 0.95
THD	< 10 %	< 10 %
Input voltage range	140V - 270V AC	140V - 270V AC
Electrical Class	Class I	Class I
protection	Short circuit and Over voltage cut off	Short circuit and Over voltage cut off
SDCM	< 5	< 5
diffuser	PC Glossy	PC Glossy
Length	4ft	4ft

Versatile applications



Factory - Textile



Indoor car park



Assembly line



Warehouse



Metro



Supermarket

EnduraLED Batten - Mounting

Surface Mounting

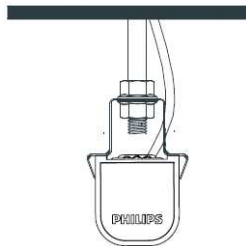
Symmetric mounting



Asymmetric mounting

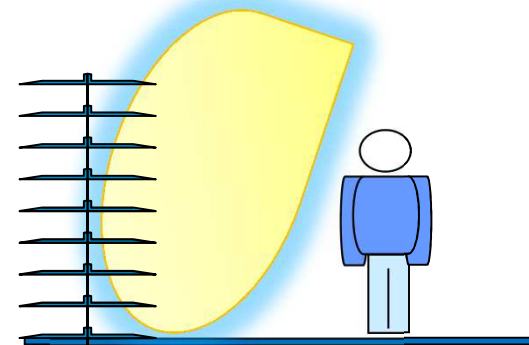
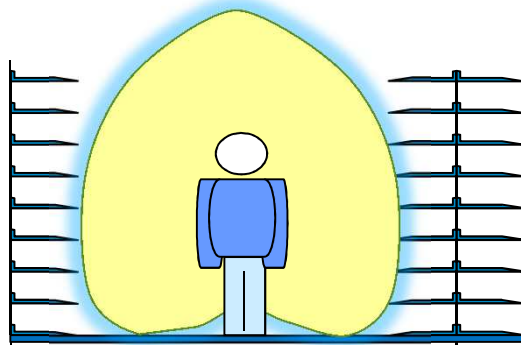
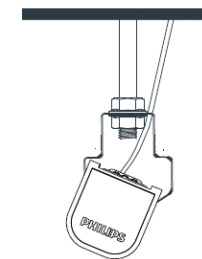


Symmetric mounting



Suspension Mounting

Asymmetric mounting



Dedicated Sym/ Asym mounting bracket for better use of light in different applications

What does this product compare with?



Single T5 batten vs EnduraLED 2000 Lm

Parameter	1 x 28W Batten	EnduraLED BN108CLED20 S
Light Source	TL5 28W 840	LED
Lamp Lumen	2800	
Downward LOR (DLOR)	61%	100%
Effective Lumens	1708	2000
System Wattage	32	19
Savings		> 40%

Single T8 batten vs EnduraLED 2000 Lm

Parameter	1 x 36 W Batten	EnduraLED BN108CLED20 S
Lamp	TLD 36W 840	LED
Lamp Lumen*	2950	
Downward LOR (DLOR)	61%	100%
Effective Lumens	1800	2000
System Wattage	36	19
Savings		> 47%

* - lamp lumen as measured in photometry file

What does this product compare with?



Twin T5 batten vs EnduraLED 4000 Lm

Twin T8 batten vs EnduraLED 4000 Lm

Parameter	2 x 28W Batten	EnduraLED BN108LED40S
Light Source	TL5 28W 840	LED
Lamp Lumen	5600	
Downward LOR (DLOR)	61%	100%
Effective Lumens	3416	4000
System Wattage	62	38
Savings		> 38%

Parameter	2 x 36 W Batten	EnduraLED BN108LED40S
Lamp	TLD 36W 840	LED
Lamp Lumen*	5900	
Downward LOR (DLOR)	61%	100%
Effective Lumens	3608	3800
System Wattage	74	38
Savings		> 48%

EnduraLED Ordering Data

<i>Description</i>	<i>12 NC</i>
BN 108C LED 40S PSU CDL WH	919515810658
BN 108C LED 40S PSU NW WH	919515810659
BN 108C LED 20S PSU CDL WH	919515810660
BN 108C LED 20S PSU NW WH	919515810661
AC 108 C MB A (Ceiling / Surface Mounting)	919815810071
AC 108 S MB A (Suspended Mounting)	919815810073
AC108C MB S (Ceiling / Surface Mounting)	919815810070
AC108P MB S (Suspended Mounting)	919815810072

