

CoreLine Batten

BN121C LED19S/840 PSU L600



BN121C - LED Module, system flux 1900 lm - 840 neutral white - Power supply unit - 600 mm

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.

Product data

• General Information

Product Family Code	BN121C [BN121C]
Number of light sources	1 [1 pc]
Lamp family code	LED19S [LED Module, system flux 1900 lm]
Light source color	840 neutral white
Light source replaceable	No
Driver/power unit/transformer	PSU [Power supply unit]
Driver included	Yes
Optical cover/lens type	PC [Polycarbonate bowl/cover]
Connection	CE [External connector]
Protection class IEC	Safety class I (I)
Glow-wire test	850/5 [Temperature 850 °C, duration 5 s]
Flammability mark	For mounting on normally flammable surfaces
CE mark	CE mark
ENEC mark	-
UL mark	-
Length	600 mm

• Operating and Electrical

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

• Temperature

Average ambient temperature	+25 °C
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• Controls and Dimming

Dimmable	No
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• Mechanical and Housing

Housing Material	Steel
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate

• Approval and Application

Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2] standard]

• Initial Performance (IEC Compliant)

Initial luminous flux	1900 lm
Initial LED luminaire efficacy	95 lm/W
Init. Corr. Color Temperature	4000 K
Init. Color Rendering Index	>80

• Over Time Performance (IEC Compliant)

Median useful life L90B50	15000 h
Median useful life L80B50	30000 h
Median useful life L70B50	50000 h
Driver failure rate at 5000 h	1 %

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• Application Conditions

Ambient temperature range	0 to +35 °C
Suitable for random switching	Yes (relates to presence/ movement detection and daylight harvesting)

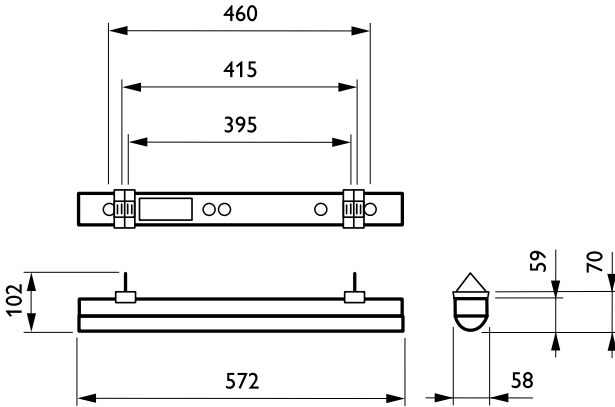
• Product Data

Full product code	871794389956299
Order product name	BN121C LED19S/840 PSU L600

EAN/UPC - Product	8717943899562
Order code	910503911112
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	4
Material Nr. (12NC)	910503911112
Net Weight (Piece)	0.930 kg



Dimensional drawing

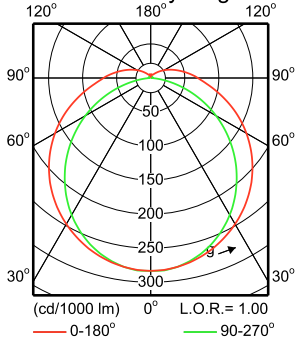




BN121C L600 1xLED19S/830

1 x 1900 lm

Polar intensity diagram



Light output ratio 1.00
 Service upward 0.09
 Service downward 0.91

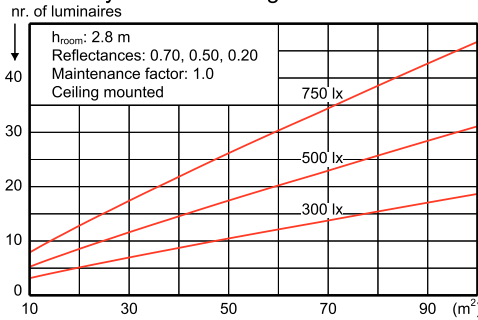
CIE flux code 42 72 90 91 100

S/H ratio crosswise max. 1.7
 lengthwise max. 1.6

UGR_{cen} (4Hx8H, 0.25H) 26
 UTE71-121: 0.91G + 0.09T

LWV1821300

Quantity estimation diagram

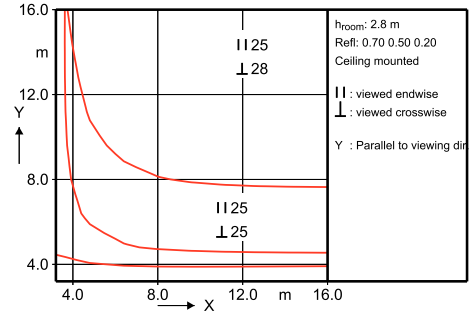


Utilisation factor table

Room Index k	Reflectances for ceiling, walls and working plane (CIE)											
	0.80 0.80				0.70 0.70 0.70 0.70				0.50 0.50 0.30 0.30 0.00			
	0.50 0.50	0.50 0.50 0.30	0.30 0.10	0.30 0.10	0.10 0.10	0.10 0.10	0.10 0.10	0.10 0.10	0.10 0.10	0.10 0.10	0.10 0.10	0.00
0.60	0.44	0.42	0.43	0.42	0.41	0.34	0.33	0.28	0.32	0.27	0.25	
0.80	0.55	0.51	0.53	0.51	0.50	0.42	0.41	0.36	0.39	0.35	0.32	
1.00	0.63	0.58	0.61	0.59	0.57	0.49	0.48	0.43	0.46	0.41	0.38	
1.25	0.71	0.65	0.69	0.66	0.64	0.56	0.54	0.49	0.52	0.48	0.44	
1.50	0.78	0.70	0.75	0.72	0.69	0.62	0.60	0.55	0.57	0.53	0.49	
2.00	0.87	0.78	0.84	0.80	0.76	0.70	0.67	0.63	0.65	0.61	0.57	
2.50	0.94	0.83	0.90	0.85	0.81	0.76	0.73	0.69	0.70	0.67	0.62	
3.00	0.99	0.86	0.95	0.89	0.84	0.80	0.76	0.73	0.74	0.71	0.66	
4.00	1.05	0.91	1.00	0.94	0.89	0.85	0.81	0.78	0.78	0.76	0.71	
5.00	1.09	0.93	1.04	0.97	0.91	0.88	0.84	0.82	0.81	0.79	0.74	

Ceiling mounted

UGR diagram



Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	12399	12141	14202
50.0	11979	11591	13639
55.0	11556	11016	12991
60.0	11137	10443	12239
65.0	10702	9861	11294
70.0	10259	9286	10087
75.0	9835	8700	8463
80.0	9520	8115	6231
85.0	9401	7650	3299
90.0	9749	7785	694

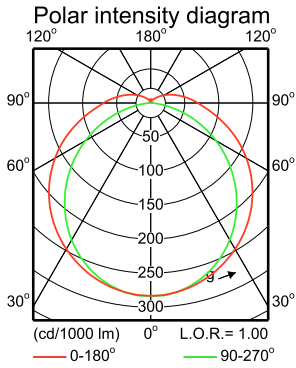
(cd/m²)

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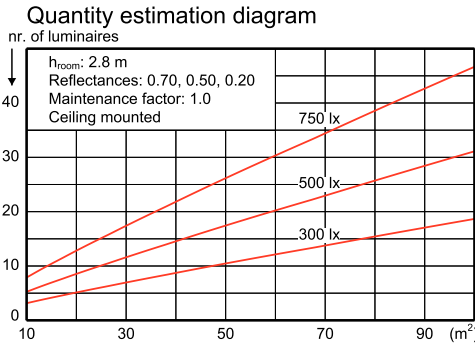
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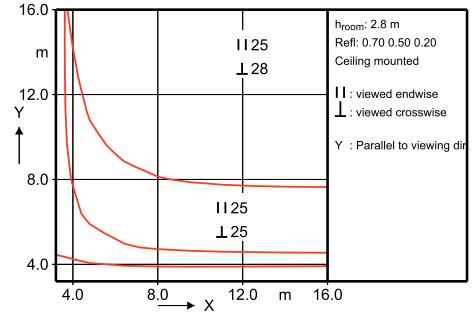


Utilisation factor table

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0.50	0.50	0.50	0.50	0.50	0.50	0.30	0.10	0.30	0.10	0.00	0.00	0.00
0.30	0.10	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00	0.00
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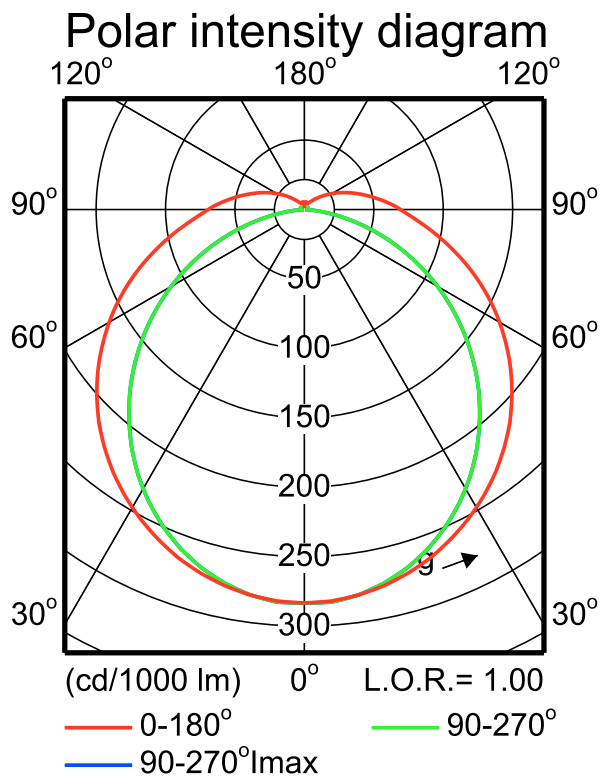
(cd/m²)

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1 x 1900 lm



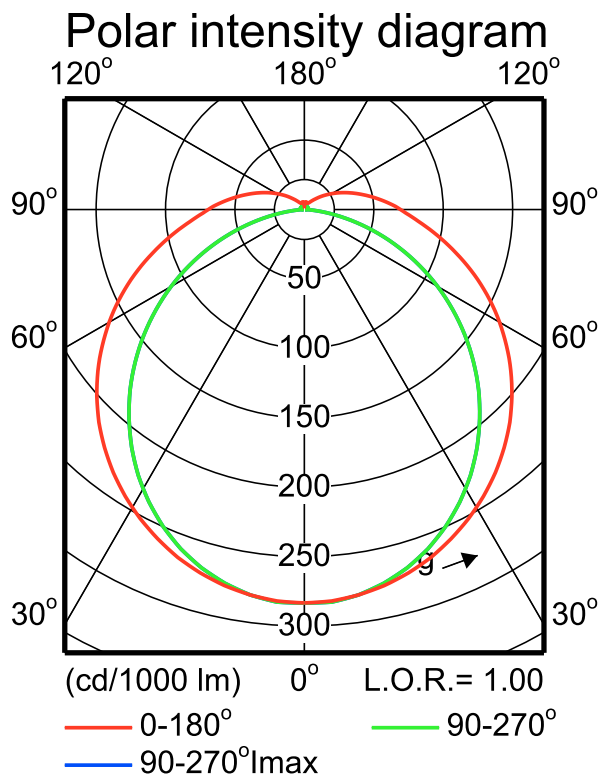
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BN121C L600 1xLED19S/840

1 x 1900 lm



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