Pentura Mini LED

BN130C LED3S/840 PSU L325

BN130C - LED Module, system flux 300 lm - Power supply unit

Pentura Mini LED is an extremely slim batten that offers the energy-saving benefits of LED technology, coupled with excellent lighting performance – bright, uniform light with good color rendering.Pentura Mini LED is very easy to install, even where space is limited, e.g. under shelves in shops, and over worktops and workstations in the home and home office. Thanks to its integrated driver and through-wiring, installation time is reduced to a minimum. Power cable, mounting clips and connection accessories are also supplied. Thin end-caps minimize black spots between the products, enabling consumers to create a continuous light-line.

Product data

• General information

Product family code	BN130C [BN130C]
Number of light sources	1 [1 pc]
Lamp family code	LED3S [LED Module, system flux 300 lm]
Light source color	840 [840 neutral white]
Light source replaceable	false [No]
Driver/power unit/ transformer	PSU [Power supply unit]
Driver included	true [Yes]
Dimmable	No [No]
Protection class IEC	CLII [Safety class II]
Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]
Length	L325 [325 mm]
Color	WH [White]
Glow-wire test	850/5 [Temperature 850 °C, duration 5 s]
CE mark	CE [CE mark]

• Electrical

Input voltage	220-240 V [220 to 240 V]
Input frequency	50-60 Hz [50 to 60 Hz]

• Mechanical

Housing material	PC [Polycarbonate]
Optical cover/lens material	G [Glass]

• Initial perform. (IEC compliant)

Initial input power	4 W [4 W]
Initial luminous flux	300 Lm
Initial LED luminaire efficacy	75 Lm/W
Init. Corr. Color Temperature	4000 [4000 K]
Init. Color Rendering Index	>75 [>75]
Initial chromaticy	(0.37, 0.38) SDCM <5

• Over time perform. (IEC compliant)

Median useful life L90B50	15000 hr
Median useful life L80B50	30000 hr
Median useful life L70B50	40000 hr
Driver failure rate at 5000 h	1.5 %

• Application conditions

Average ambient temperature	T25 [+25 °C]
Ambient temperature range	0 to +35°C [0 to +35 °C]
Maximum dim level	- [Not applicable]
Suitable for random switching	No [No]

• Product Data

Order code	911401704812
Full product code	911401704812
Full product name	BN130C LED3S/840 PSU L325

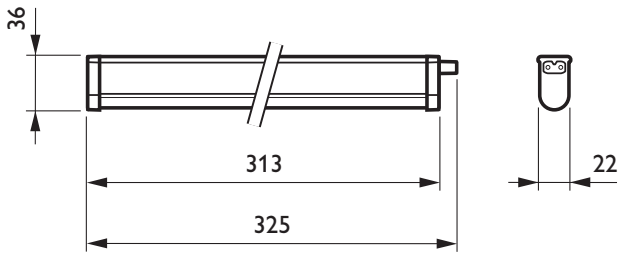
PHILIPS

Pentura Mini LED

Order product name	BN130C LED3S/840 PSU L325	Logistic code(s) - 12NC	911401704812
Pieces per pack	1	Net weight per piece	0.163 kg
Packs per outerbox	24		
Bar code on pack - EAN1	8710163296531		
Bar code on outerbox - EAN3	8710163296616		

IP 20 IK 02 850°C 5s CE

Dimensional drawing



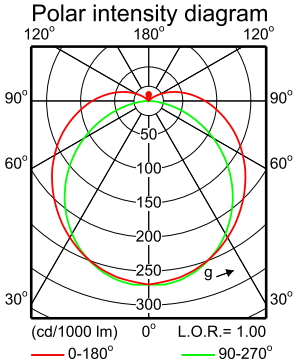
BN130C LED3S/840 PSU L325

Photometric data

BN130C 1xLED3S/840 L325

1 x 300 lm

Polar intensity diagram



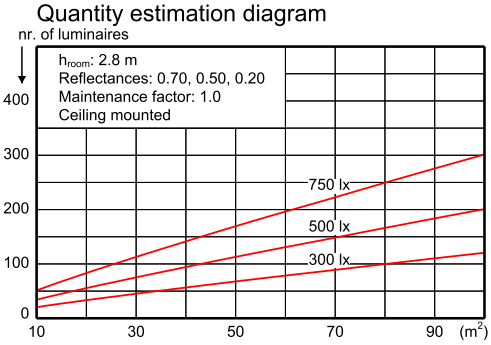
Light output ratio 1.00
Service upward 0.10
Service downward 0.90

CIE flux code 40 69 88 90 100

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

UGRcen (4Hx8H, 0.25H) 26
UTE71-121: 0.90G + 0.10T

Quantity estimation diagram

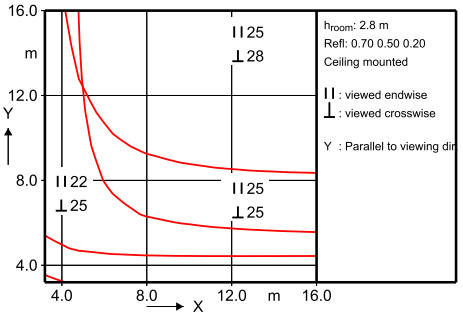


Utilisation factor table

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	0.50	0.30	0.30	0.10	0.30	0.10	0.00	
	0.30	0.10	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.00	
0.60	0.43	0.41	0.42	0.41	0.40	0.33	0.31	0.27	0.30	0.26	0.23	
0.80	0.53	0.50	0.52	0.50	0.49	0.41	0.39	0.34	0.38	0.33	0.30	
1.00	0.62	0.57	0.60	0.58	0.56	0.48	0.46	0.41	0.44	0.40	0.36	
1.25	0.70	0.64	0.67	0.65	0.62	0.55	0.53	0.47	0.50	0.46	0.42	
1.50	0.76	0.69	0.73	0.70	0.67	0.60	0.58	0.53	0.55	0.51	0.47	
2.00	0.86	0.76	0.82	0.78	0.75	0.68	0.65	0.61	0.63	0.59	0.54	
2.50	0.92	0.81	0.88	0.84	0.79	0.74	0.71	0.66	0.68	0.64	0.60	
3.00	0.97	0.85	0.93	0.88	0.83	0.78	0.75	0.71	0.71	0.68	0.63	
4.00	1.03	0.89	0.99	0.93	0.87	0.83	0.80	0.76	0.76	0.73	0.68	
5.00	1.07	0.92	1.03	0.96	0.90	0.86	0.83	0.80	0.79	0.77	0.72	

Ceiling mounted

UGR diagram



Luminance Table

Plane / Cone	0.0	45.0	90.0
45.0	8895	8827	10043
50.0	8765	8576	9718
55.0	8696	8366	9332
60.0	8634	8213	8883
65.0	8669	8106	8294
70.0	8758	8004	7598
75.0	8915	8035	6722
80.0	9236	8224	5469
85.0	9843	8675	3747
90.0	10919	9746	3312

(cd/m2)

LVC1140406

2014-06-09

BN130C 1xLED3S/840 L325

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data subject to change