Pentura Mini LED

BN130C LED8S/840 PSU L885

BN130C - LED Module, system flux 800 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	LED8S [LED Module, system flux 800 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	L885 [885 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	10.8 W [10.8 W]
Initial luminous flux	800 Lm
Initial LED luminaire efficacy	74 Lm/W
Init. Corr. Color Temperature	4000 [4000 K]
Init. Color Rendering Index	>75 [>75]
Initial chromaticity	(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	911401704772
Full product code	911401704772
Full product name	BN130C LED8S/840 PSU L885

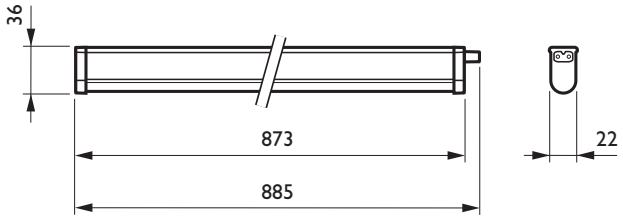
PHILIPS

Pentura Mini LED

Order product name	BN130C LED8S/840 PSU L885	Logistic code(s) - 12NC	911401704772
Pieces per pack	1	Net weight per piece	0.300 kg
Packs per outerbox	24		
Bar code on pack - EAN1	8710163296494		
Bar code on outerbox - EAN3	8710163296579		

IP 20 IK 02 850°C 5s CE

Dimensional drawing



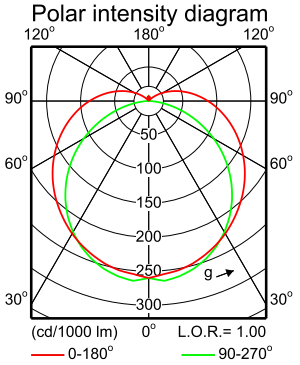
BN130C LED8S/840 PSU L885

Photometric data

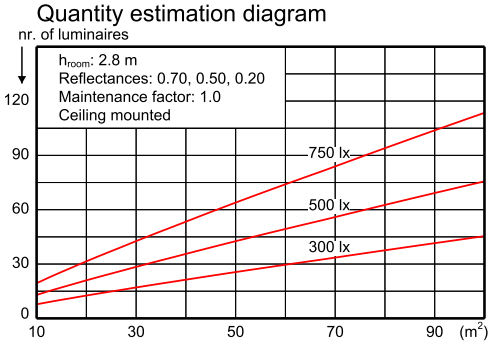
BN130C 1xLED8S/840 L885

1 x 800 lm

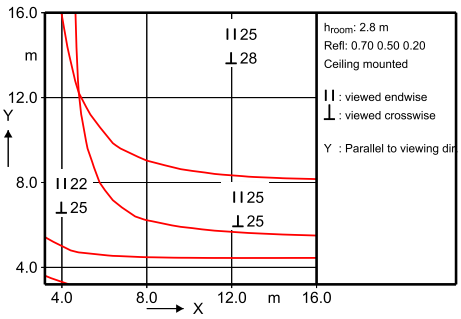
Polar intensity diagram



Quantity estimation diagram



UGR diagram



Light output ratio	1.00
Service upward	0.10
Service downward	0.90
CIE flux code	39 68 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

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	0.32	0.31	0.26	0.30	0.25	0.23					
0.80	0.53	0.50	0.51	0.50	0.48	0.40	0.39	0.34	0.37	0.33	0.29					
1.00	0.61	0.57	0.59	0.57	0.55	0.47	0.45	0.40	0.44	0.39	0.35					
1.25	0.69	0.63	0.67	0.64	0.62	0.54	0.52	0.47	0.50	0.45	0.41					
1.50	0.75	0.68	0.73	0.70	0.67	0.59	0.57	0.52	0.55	0.50	0.46					
2.00	0.85	0.76	0.82	0.78	0.74	0.68	0.65	0.60	0.62	0.58	0.54					
2.50	0.92	0.81	0.88	0.83	0.79	0.73	0.70	0.66	0.67	0.64	0.59					
3.00	0.97	0.85	0.93	0.87	0.83	0.77	0.74	0.70	0.71	0.68	0.63					
4.00	1.03	0.89	0.99	0.93	0.87	0.83	0.79	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

Luminance Table

Plane / Cone	0.0	45.0	90.0
45.0	8592	8542	9910
50.0	8519	8359	9645
55.0	8482	8218	9329
60.0	8487	8116	8925
65.0	8559	8047	8413
70.0	8705	8060	7796
75.0	8963	8183	6955
80.0	9382	8459	5797
85.0	10086	9129	4151
90.0	11235	10460	6753

(cd/m2)

LVC1140410

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BN130C 1xLED8S/840 L885

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data subject to change