CoreLine Panel

RC125B LED34S/830 PSU W60L60

RC125B - LED Module, system flux 3400 lm - Power supply unit

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 Panel range of LED products can be used to replace functional luminaires in general lighting applications. Both Non-Office Compliant (NOC) version and Office Compliant version (OC) are now available. The process of selecting, installing and maintaining is so easy – it's a simple switch.

Product data

• General information

Product family code	RC125B [RC125B]
Lamp family code	LED34S [LED Module, system flux 3400 lm]
Light source color	830 [830 warm white]
Light source replace-able	false [No]
Driver/power unit/transformer	PSU [Power supply unit]
Driver included	true [Yes]
Luminaire light beam spread	110 [110°]
Dimmable	No [No]
Connection	PIP [Push-in connector and pull relief]
Protection class IEC	CLII [Safety class II]
Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]
Color	WH [White]
Flammability mark	F [For mounting on normally flammable surfaces]
Safety device	SC [Safety cable]
Type description	No [-]
CE mark	CE [CE mark]
ENEC mark	No [-]
UL mark	No [-]

• Light technical

Luminous flux tolerance	+/-5% [+/-5%]

• Electrical

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

• Mechanical

Geometry	W60L60 [Width 0.60 m, length 0.60 m]
Housing material	STL [Steel]
Optic material	PMMA [Polymethyl methacrylate]

• Initial perform. (IEC compliant)

Initial input power	41 W [41 W]
Initial luminous flux	3400 Lm
Initial LED luminaire efficacy	83 Lm/W
Init. Corr. Color Temperature	3000 [3000 K]
Init. Color Rendering Index	>80 [>80]
Initial chromaticy	(0.44, 0.41) SDCM <5

• Over time perform. (IEC compliant)

Median useful life L90B50	15000 hr
Median useful life L80B50	30000 hr
Median useful life L70B50	50000 hr
Driver failure rate at 5000 h	0.38 %

• Application conditions

Average ambient temperature	T25 [+25 °C]
Ambient temperature range	+10 to +40°C [+10 to +40 °C]

PHILIPS

Suitable for random switching	Yes [Yes (relates to presence/ movement detection and daylight harvesting)]	Packs per outerbox	1
		Bar code on outerbox - EAN3	8718696067321
		Logistic code(s) - 12NC	910503910026
		Net weight per piece	4.500 kg

• Product Data

Order code	910503910026
Full product code	910503910026
Full product name	RC125B LED34S/830 PSU W60L60
Order product name	RC125B LED34S/830 PSU W60L60
Pieces per pack	0

IP 20   IK 02   F   CE

Dimensional drawing

46
16
⌀ 597

RC125B LED34S/830 PSU W60L60
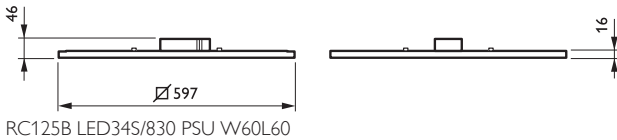
Photometric data

RC125B W60L60 1xLED34S/830

1 x 3400 lm

Polar intensity diagram

120° 180° 120°
90° 90°
100
60° 60°
200
300
9
30° 30°
400
(cd/1000 lm)   0°   L.O.R.= 1.00
— 0-180°   — 90-270°

Light output ratio   1.00
    Service upward   0.00
    Service downward   1.00

CIE flux code   46 78 95 100 100

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

UGRcen (4Hx8H, 0.25H)   22
UTE71-121:   1.00E + 0.00T

LVC1140460

Quantity estimation diagram

nr. of luminaires

h_room: 2.8 m
Reflectances: 0.70, 0.50, 0.20
Maintenance factor: 1.0
Ceiling mounted

24
18
12
6
0

750 lx
500 lx
300 lx

10   30   50   70   90   (m²)

UGR diagram

16.0
m
12.0
Y
8.0
4.0

4.0   8.0   12.0   m   16.0
X

‖22 ⊥25
h_room: 2.8 m
Refl: 0.70 0.50 0.20
Ceiling mounted

‖22 ⊥22

‖ : viewed endwise
⊥ : viewed crosswise

Y : Parallel to viewing dir

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	0.47 0.45			0.47 0.46 0.45 0.37				0.37 0.32		0.36 0.32		0.30
0.80	0.58 0.55			0.57 0.56 0.54 0.46				0.46 0.41		0.45 0.40		0.38
1.00	0.67 0.62			0.66 0.64 0.62 0.54				0.53 0.48		0.52 0.48		0.46
1.25	0.76 0.70			0.74 0.71 0.69 0.62				0.61 0.56		0.60 0.55		0.53
1.50	0.82 0.75			0.80 0.77 0.74 0.67				0.66 0.61		0.65 0.61		0.58
2.00	0.92 0.83			0.90 0.86 0.82 0.76				0.75 0.70		0.73 0.70		0.67
2.50	0.99 0.88			0.96 0.91 0.86 0.82				0.80 0.76		0.79 0.76		0.73
3.00	1.04 0.91			1.01 0.95 0.90 0.86				0.84 0.81		0.83 0.80		0.77
4.00	1.10 0.95			1.07 1.00 0.94 0.91				0.89 0.86		0.87 0.85		0.82
5.00	1.14 0.98			1.10 1.03 0.97 0.94				0.92 0.90		0.90 0.88		0.85

Ceiling mounted

Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	4524	3913	3390
50.0	4501	3841	3289
55.0	4432	3745	3180
60.0	4315	3615	3058
65.0	4140	3457	2913
70.0	3913	3254	2734
75.0	3622	3002	2524
80.0	3273	2702	2247
85.0	2854	2340	1948
90.0	-	-	-

(cd/m2)

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2015, October 10
data subject to change

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