

# CoreLine Panel

RC125B LED34S/840 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	840 [840 neutral white]
Light source replaceable	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%]
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### • 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	4000 [4000 K]
Init. Color Rendering Index	>80 [>80]
Initial chromaticity	(0.38, 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	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**

# CoreLine Panel

Suitable for random switching Yes [Yes (relates to presence/movement detection and daylight harvesting)]

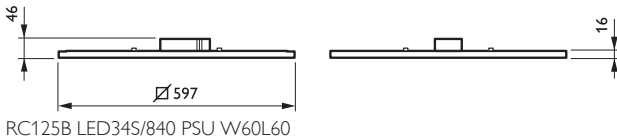
Packs per outerbox 1  
 Bar code on outerbox - EAN3 8718696067314  
 Logistic code(s) - 12NC 910503910025  
 Net weight per piece 4.500 kg

## Product Data

Order code 910503910025  
 Full product code 910503910025  
 Full product name RC125B LED34S/840 PSU W60L60  
 Order product name RC125B LED34S/840 PSU W60L60  
 Pieces per pack 0



## Dimensional drawing



## Photometric data

### RC125B W60L60 1xLED34S/840

1 x 3400 lm

#### Polar intensity diagram

(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

UGR<sub>cen</sub> (4Hx8H, 0.25H) 22  
 UTE71-121: 1.00E + 0.00T

LVC1140460

#### Quantity estimation diagram

nr. of luminaires

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

750 lx  
 500 lx  
 300 lx

#### UGR diagram

Room: 2.8 m  
 Refl: 0.70 0.50 0.20  
 Ceiling mounted

|| 22  
 ⊥ 25  
 || : 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	0.00
0.60	0.47	0.45	0.47	0.46	0.45	0.37	0.32	0.36	0.32	0.30		
0.80	0.58	0.55	0.57	0.56	0.54	0.46	0.41	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/m<sup>2</sup>)

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RC125B W60L60 1xLED34S/840



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2015, October 10  
data subject to change