



CoreLine recessed

RC122B LED37S/840 PSU W62L62

Coreline Recessed, LED Module, system flux 3700 lm, 840 neutral white, Power supply unit (On/Off)

Philips CoreLine recessed delivers on the CoreLine promise of innovative, easy-to-use, high-quality luminaires. It's a high-quality recessed LED that's designed to replace existing recessed luminaires with T8 or T5 technology. This CoreLine family also features an innovative new choice of multiple lumen outputs in one single luminaire, called MultiLumen. Instant energy savings and a longer lifetime, make this is an environmentally-friendly and cost-saving solution. With a quick-connector or Wieland feature, CoreLine RC136B recessed luminaires are quick and easy to install. Also available within the range are Interact Ready luminaires with integrated wireless communications, which are fully compatible with Interact gateways, sensors and software.

Warnings and Safety

- The product is IPXO & as such is not protected against water ingress & as such we strongly recommend that The environment in which The luminaire is to be installed is suitably checked
- If the above advice is not taken and the luminaires are subject to water ingress, Philips / Signify cannot guarantee safe failure & product warranty will become void

Product data

General Information	
Lamp family code	LED37S [LED Module, system flux 3700 lm]
Cap-Base	- [-]
Light source replaceable	No
Number of gear units	1 unit
Gear	EB [Electronic]
Driver included	Yes

Remarks	*-Per Lighting Europe guidance paper	
	"Evaluating performance of LED based	
	luminaires - January 2018": statistically there	
	is no relevant difference in lumen	
	maintenance between B50 and for example	
	B10. Therefore, the median useful life (B50)	
	value also represents the B10 value.	
Product family code	RC122B [Coreline Recessed]	

Datasheet, 2023, December 4 data subject to change

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Lighting Technology	LED	Reflector material	Steel
Value ladder	Performance	Optic material	Polycarbonate
CE mark	Yes	Optical cover material	Polycarbonate
Warranty period	3 years + 2 years upon registration	Fixation material	-
Flammability mark	For mounting on normally flammable	Housing Color	White
	surfaces	Optical cover finish	Textured
ENEC mark	ENEC mark	Overall length	622 mm
Glow-wire test	Temperature 850 °C, duration 30 s	Overall width	622 mm
EU RoHS compliant	Yes	Overall height	32 mm
		Dimensions (Height x Width x Depth)	32 x 622 x 622 mm
Light Technical			
Luminous Flux	3,700 lm	Approval and Application	
Correlated Color Temperature (Nom)	4000 K	Ingress protection code	IP20 [Finger-protected]
Luminous Efficacy (rated) (Nom)	93 lm/W	Mech. impact protection code	IK02 [0.2 J standard]
Color rendering index (CRI)	≥80	Protection class IEC	Safety class I
Number of light sources	2		
Light source color	840 neutral white	Initial Performance (IEC Compliant))
Optic type	Wide beam	Luminous flux tolerance	+/-10%
Optical cover type	Polycarbonate linear satinized	Initial chromaticity	(0.38, 0.38) SDCM <3
Luminaire light beam spread	86°	Power consumption tolerance	+/-10%
Unified glare rating CEN	Not applicable		
		Over Time Performance (IEC Compl	liant)
Operating and Electrical		Control gear failure rate at median useful	5 %
Input Voltage	220 to 240 V	life 50000 h	
Input Voltage Line Frequency	220 to 240 V 50 to 60 Hz	life 50000 h Lumen maintenance at median useful	L75
			L75
Line Frequency	50 to 60 Hz	Lumen maintenance at median useful	L75
Line Frequency Inrush current	50 to 60 Hz 8 A	Lumen maintenance at median useful	L75
Line Frequency Inrush current Inrush time	50 to 60 Hz 8 A 0.06 ms	Lumen maintenance at median useful life* 50000 h	L75
Line Frequency Inrush current Inrush time Power Consumption	50 to 60 Hz 8 A 0.06 ms 34.2 W	Lumen maintenance at median useful life* 50000 h Application Conditions	
Inrush current Inrush time Power Consumption Power Factor (Fraction)	50 to 60 Hz 8 A 0.06 ms 34.2 W 0.9	Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq	25 °C
Inrush current Inrush time Power Consumption Power Factor (Fraction) Connection	50 to 60 Hz 8 A 0.06 ms 34.2 W 0.9 Push-in connector and pull relief -	Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq	25 °C
Line Frequency Inrush current Inrush time Power Consumption Power Factor (Fraction) Connection	50 to 60 Hz 8 A 0.06 ms 34.2 W 0.9 Push-in connector and pull relief -	Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Suitable for random switching	25 °C
Line Frequency Inrush current Inrush time Power Consumption Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type	50 to 60 Hz 8 A 0.06 ms 34.2 W 0.9 Push-in connector and pull relief -	Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Suitable for random switching Product Data	25 °C Yes
Line Frequency Inrush current Inrush time Power Consumption Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type	50 to 60 Hz 8 A 0.06 ms 34.2 W 0.9 Push-in connector and pull relief -	Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Suitable for random switching Product Data Order product name	25 °C Yes RC122B LED37S/840 PSU W62L62
Line Frequency Inrush current Inrush time Power Consumption Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B	50 to 60 Hz 8 A 0.06 ms 34.2 W 0.9 Push-in connector and pull relief -	Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Suitable for random switching Product Data Order product name Full product name	25 °C Yes RC122B LED37S/840 PSU W62L62 RC122B LED37S/840 PSU W62L62
Line Frequency Inrush current Inrush time Power Consumption Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B	50 to 60 Hz 8 A 0.06 ms 34.2 W 0.9 Push-in connector and pull relief - 24	Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Suitable for random switching Product Data Order product name Full product name Full product code	25 °C Yes RC122B LED37S/840 PSU W62L62 RC122B LED37S/840 PSU W62L62 871829126838300
Line Frequency Inrush current Inrush time Power Consumption Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B	50 to 60 Hz 8 A 0.06 ms 34.2 W 0.9 Push-in connector and pull relief - 24	Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Suitable for random switching Product Data Order product name Full product name Full product code Order code	25 °C Yes RC122B LED37S/840 PSU W62L62 RC122B LED37S/840 PSU W62L62 871829126838300 910501991303
Line Frequency Inrush current Inrush time Power Consumption Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range	50 to 60 Hz 8 A 0.06 ms 34.2 W 0.9 Push-in connector and pull relief - 24	Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Suitable for random switching Product Data Order product name Full product name Full product code Order code Material Nr. (12NC)	25 °C Yes RC122B LED37S/840 PSU W62L62 RC122B LED37S/840 PSU W62L62 871829126838300 910501991303 910501991303
Line Frequency Inrush current Inrush time Power Consumption Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming	50 to 60 Hz 8 A 0.06 ms 34.2 W 0.9 Push-in connector and pull relief - 24 +10 to +40 °C	Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Suitable for random switching Product Data Order product name Full product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack	25 °C Yes RC122B LED37S/840 PSU W62L62 RC122B LED37S/840 PSU W62L62 871829126838300 910501991303 910501991303 1
Line Frequency Inrush current Inrush time Power Consumption Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable	50 to 60 Hz 8 A 0.06 ms 34.2 W 0.9 Push-in connector and pull relief - 24 +10 to +40 °C	Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Suitable for random switching Product Data Order product name Full product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack EAN/UPC - Product/Case	25 °C Yes RC122B LED37S/840 PSU W62L62 RC122B LED37S/840 PSU W62L62 871829126838300 910501991303 910501991303 1 8718291268383
Line Frequency Inrush current Inrush time Power Consumption Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer	50 to 60 Hz 8 A 0.06 ms 34.2 W 0.9 Push-in connector and pull relief - 24 +10 to +40 °C No Power supply unit (On/Off)	Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Suitable for random switching Product Data Order product name Full product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack EAN/UPC - Product/Case Numerator - Packs per outer box	25 °C Yes RC122B LED37S/840 PSU W62L62 RC122B LED37S/840 PSU W62L62 871829126838300 910501991303 910501991303 1 8718291268383 1
Line Frequency Inrush current Inrush time Power Consumption Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer	50 to 60 Hz 8 A 0.06 ms 34.2 W 0.9 Push-in connector and pull relief - 24 +10 to +40 °C No Power supply unit (On/Off)	Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Suitable for random switching Product Data Order product name Full product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack EAN/UPC - Product/Case Numerator - Packs per outer box	25 °C Yes RC122B LED37S/840 PSU W62L62 RC122B LED37S/840 PSU W62L62 871829126838300 910501991303 910501991303 1 8718291268383 1
Line Frequency Inrush current Inrush time Power Consumption Power Factor (Fraction) Connection Cable Number of products on MCB of 16 A type B Temperature Ambient temperature range Controls and Dimming Dimmable Driver/power unit/transformer Constant light output	50 to 60 Hz 8 A 0.06 ms 34.2 W 0.9 Push-in connector and pull relief - 24 +10 to +40 °C No Power supply unit (On/Off)	Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Suitable for random switching Product Data Order product name Full product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack EAN/UPC - Product/Case Numerator - Packs per outer box	25 °C Yes RC122B LED37S/840 PSU W62L62 RC122B LED37S/840 PSU W62L62 871829126838300 910501991303 910501991303 1 8718291268383 1

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Dimensional drawing





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