



TrueLine, recessed

RC532B LED31S/840 PSD W8L141 PCV PI5

TrueLine, recessed, 21.5 W, 3100 lm, 4000 K, DALI

Architects need a lighting solution that matches the interior architecture of the space they are enhancing. They want a light line with elegant proportions and high light levels that offers maximum design freedom. Philips TrueLine is a flexible linear luminaire for indoor office applications that offers excellent quality with the promise of future-proof upgrades. Specifiers need luminaires that save energy, at the same time as providing the right level of light. TrueLine recessed meets both these sets of requirements. Not only is it compliant with the WELL Building Standard for Light, TrueLine recessed is rated UGR<lt/>ly-19, which is compliant with all office norms (OC). TrueLine also comes in suspended and surface-mounted versions. All the luminaires in the family are available in different lengths, shapes, colors and light outputs. This offers the ultimate design flexibility and unlimited possibilities. TrueLine luminaires are also a sustainable, future-proof choice with high efficiency up to 140 lm/W and the option to upgrade to wireless connectivity and control.

Warnings and Safety

- The product is IPXO and, as such, is not protected against water ingress. Therefore, 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 and the product warranty will become void.

Product data

General Information	
Lamp family code	LED31S [LED module, system flux 3100 lm]
Cap-Base	- [-]
Light source replaceable	No
Number of gear units	1 unit
Gear	-

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	

Datasheet, 2023, September 4 data subject to change

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Montange Marker Montange M			- 	
Perduct rainily code		B10. Therefore, the median useful life (B50)	Mechanical and Housing	
Product family code			Housing Material	Steel
Lighting Technology LED Optical Cover material Polymethyl methocrylate Value ladder Specification Fixation material Sieed El mark Yes Optical Coder Wine Warranty profes Syesrs Optical Cover finish Fixated Warranty profes For mounting on normally finamrable Overall length L400 emm ERM Court EMEC plus mask Overall length L50 mm Glow wire test Temperature 650°C, duration 5 s Profession (relight X Width X Depth) 155 mm EU Rel St compliant For Micro Country Approval and Application 160 mm Light Technical For Micro Country Mech. Impact protection code 16720 Standard Luminous Eliza 3.00 clin Protection code 16720 Standard Correlated Color Temperature (New) 40 mm Protection code 16720 Standard Correlated Color Temperature (New) 40 mm Initial Performance (IEC Compliant) Correlated Color Temperature (New) 40 mm Initial Stromanticity 0.38 0.38 (SCM <-3	Service tag	Yes	Reflector material	-
Value ladder Soedication Fixation material Steel Embedded control	Product family code		Optic material	-
Mousing Color White Mousing Color White Mousing Color White Mousing Color White Mousing Color Mousing Colo	Lighting Technology	LED	Optical cover material	Polymethyl methacrylate
EE mark Yes Optical cover finish Frosted Warranty period 5 years Overall length 1,409 mm Flammability mark 6 For mounting on normally flammable surfaces Overall length 1,409 mm ENEC mark For ENEC plass mark Overall height 10 for mm Glow-wire test 1 mperature 650°C, duration 5 s 7 EURHS Carpitant Yes Approval and Application FUE Chinical 1 months of the finish of the impact protection code 1802 [No.9] 2 standard] Luminous Flux 3100 in Mech. impact protection code 1802 [No.9] 2 standard] Correlated Color Temperature (Nom) 400 for 2 selection class ICC 3 select y class I Color rendering index (CRI) 800 Luminous Bits of terrace √-10% 2 selection class ICC 3 select y class I Light source color 40 study Mark In will have yet as a selective of class ICC 3 selective yet as a selective yet	Value ladder	Specification	Fixation material	Steel
Filamenatify mark 5 years Overall width 1,409 mm Filamenability mark For mounting on normally flammable surfaces Questal width 15 mm ENEC mark ENEC plus mark Demonstrate 650 °C, duration 5 × Demonstrate 650 °C, duration 5 × EUR RHS from plant Yes Approval and Application 136 × 115 × 1409 mm Light Technical For mounting in plant Propertion of the fill protection code (P20) Finger-protected] Correlated Color Temperature (Rom) 401 fluy Initial performance (IEC Compliant) Color rendering index (RR) Unimous Efficacy (rated) (Nom) 414 fluy Initial Performance (IEC Compliant) Color rendering index (RR) 380 Luminous flux tolerance 1/-10% Correlated Color Temperature (ROR) 800 Luminous flux tolerance 1/-10% Initial Performance (IEC Compliant) Unified Sparre arting Efface (rated) (Nom) 800 Luminous flux tolerance 1/-10% Optical cover type Power Contraction 100 mm animal relative rate at median useful 18 18 Operating and Electrical 19 Power Consumption of the contract of Spole Power Consumption tolerance at med	Embedded control		Housing Color	White
Flammability mark Por mounting on normally flammable services Overall height (1) 15 mm 15 mm EMEC mark EMEC plus mark EMEC plus mark 136 mm 136 mm Glow - write test 1 emperature 650 °C, duration 5 s 4 percentage of the product of the pro	CE mark	Yes	Optical cover finish	Frosted
Normal	Warranty period	5 years	Overall length	1,409 mm
ENEC mark ENEC plus mark Dimensions (Height x Width x Depth) 18 x 115 x 1409 mm	Flammability mark	For mounting on normally flammable	Overall width	115 mm
EUR ONLY Temperature 650°C, duration 5 s		surfaces	Overall height	136 mm
EU RoHS compliant	ENEC mark	ENEC plus mark	Dimensions (Height x Width x Depth)	136 x 115 x 1409 mm
Tight Technical Signature	Glow-wire test	Temperature 650 °C, duration 5 s		
Light Technical Mech. Impact protection code IRX2 [O.2. J standard] Luminous Flux 3,100 Im Protection class IEC Safety class I Correlated Color Temperature (Nom) 4/4 Im/W Initial Performance (IEC Compliant) Color rendering Index (CRI) 280 Luminous flux tolerance +/-10% Number of light sources 14 Initial chromaticity (0.38, 0.38) SDCM -3 Upth source color 840 neutral white Power consumption tolerance +/-10% Optic type - Over Time Performance (IEC Compliant) Unified glar rating CEN 19 Control gear failure rate at median useful 5% Unified glar rating CEN 19 Lumen maintenance at median useful L85 Unified glar rating CEN 19 Lumen maintenance at median useful L85 Input Voltage 220-240 V Lumen maintenance at median useful L85 Inrush tumen 19 A Performance ambient temperature Tq 25 °C Inrush time 0.28 ms Maximum dim level 1% Power Consumption 2.15 W Satitable for random switching No <td>EU RoHS compliant</td> <td>Yes</td> <td>Approval and Application</td> <td></td>	EU RoHS compliant	Yes	Approval and Application	
Luminous Flux 3100 lm Protection class IEC Safety class I Correlated Color Temperature (Nom) 4000 K 144 lm/W Luminous Efficacy (rated) (Nom) 144 lm/W Initial Performance (IEC Compliant) Color rendering index (CRI) 280 Luminous flux tolerance +/-10% Number of light sources 1 Initial chromaticity (0.38, 0.38) SDCM <3			Ingress protection code	IP20 [Finger-protected]
Correlated Color Temperature (Nom) 4000 K Luminous Efficacy (rated) (Nom) 144 Im/W Initial Performance (IEC Compliant) Color rendering index (CRI) 890 Luminous flux tolerance √-10% Number of light sources 1 Initial Ordination (Incomplicity) (0.38, 0.38) SDCM <3 Light source color 840 neutral white Power consumption tolerance √-10% Optical cover type Pollymethyl methacrylate bowl/cover Over Time Performance (IEC Compliant) Unified glare rating CEN 19 Control gear failure rate at median useful 5% Unified glare rating CEN 19 Life 50000 h Life 50000 h Unified glare rating CEN 19 Life 50000 h Life 50000 h <t< td=""><td>Light Technical</td><td></td><td>Mech. impact protection code</td><td>IK02 [0.2 J standard]</td></t<>	Light Technical		Mech. impact protection code	IK02 [0.2 J standard]
Luminous Efficacy (rated) (Nom) 144 In/W Initial Performance (IEC Compliant) ✓ 10% Color rendering index (CRI) ≥80 Luminous flux tolerance ✓ 10% Number of light sources 840 neutral white power consumption tolerance ✓ 10% Optic type − Power consumption tolerance ✓ 10% Unified glare rating CEN Polymethyl methacrylate bowly/cover Over Time Performance (IEC Compliant) Unified glare rating CEN 19 Investigation and Electrical (Incompliant) Investigation and Electrical (Incom	Luminous Flux	3,100 lm	Protection class IEC	Safety class I
Color rendering index (CRI) ≥80 Luminous flux tolerance 4/-10% Number of light sources 1 Initial chromaticity (0.38, 0.38) SDCM -3 Light source color 840 neutral white Power consumption tolerance 4/-10% Opticut yee	Correlated Color Temperature (Nom)	4000 K		
Number of light sources 1 Initial chromaticity (0.38, 0.38) SDCM <3 Light source color 840 neutral white Power consumption tolerance +/-10% Optic type - - Optical cover type Polymethyl methacrylate bowl/cover Over Time Performance (IEC Compliant) Unified glare rating CEN 19 Control gear failure rate at median useful. 5 % Unified glare rating CEN 19 Lumen maintenance at median useful. 5 % Unified glare rating CEN 19 Lumen maintenance at median useful. 5 % Unified glare rating CEN 19 Lumen maintenance at median useful. 5 % Unified glare rating CEN 19 Lumen maintenance at median useful. 5 % Unified S0000 h Lumen maintenance at median useful. 5 % Life 50000 h Life 50000 h Post 50000 h Post 50000 h Life 50000 h Post 50000 h Post 50000 h Life 50000 h Post 50000 h Post 50000 h Life 50000 h Post 50000 h Post 50000 h Life 50000 h Post 50000 h Post 50000 h Life 50000 h Post 50000 h Post 50000 h	Luminous Efficacy (rated) (Nom)	144 lm/W	Initial Performance (IEC Compliant)	
Light source color 840 neutral white Power consumption tolerance √-10% Optict type - Opticat cover type Polymethyl methacrylate bowl/cover Over Time Performance (IEC Compliant) Unified glare rating CEN 100° Control gear failure rate at median useful. 85 \$ Unified glare rating CEN 190° Lumen maintenance at median useful. 85 Lumen maintenance at median useful. 185 Lumen maintenance at median useful. 18	Color rendering index (CRI)	≥80	Luminous flux tolerance	+/-10%
Optic type - Optical cover type Polymethyl methacrylate bowl/cover Over Time Performance (IEC Compliant) Uminar light beam spread 100° Control gear failure rate at median useful. 5 % Unified glare rating CEN 19 Lume maintenance at median useful. 185 Secondon 1 Upperating and Electrical Lume maintenance at median useful. 185 Less prequency Less prequency So to 60 Hz Application Conditions Inrush current 19 A Application Conditions Performance ambient temperature 7g. 25°C 25°C Inrush time 0.28 ms Maximum dim level 1% Secondon 1 Power Consumption 215 W Suitable for random switching No Power Consumption No Power Consumption Power Cautor (Fraction) Power Consumption RC532B LED315/840 PSD W8L141 PCV PIS Power Consumption Power Consumption RC532B LED315/840 PSD W8L141 PCV PIS Pull product name RC532B LED315/840 PSD W8L141 PCV PIS Pull product name RC532B LED315/840 PSD W8L141 PCV PIS Pull product name RC532B LED315/840 PSD W8L141 PCV PIS Pull product name RC532B LED315/840 PSD W8L141 PCV PIS Pull product name RC532B LED315/840 PSD	Number of light sources	1	Initial chromaticity	(0.38, 0.38) SDCM <3
Optical cover type Polymethyl methacrylate bowl/cover Over Time Performance (IEC Compliant) Luminaire light beam spread 100° Control gear failure rate at median useful. 5% Unified glare rating CEN 19 Lumen maintenance at median useful. 185 Unified glare rating CEN Itife 50000 h Lumen maintenance at median useful. 185 Unified glare rating CEN Itife 50000 h Lumen maintenance at median useful. 185 Unified glare rating CEN 186 Lumen maintenance at median useful. 185 Unified glare rating CEN 186 Lumen maintenance at median useful. 185 Unified glare rating CEN 186 Lumen maintenance at median useful. 185 Unified glare rating CEN 186 Lumen maintenance at median useful. 185 Unified glare rating CEN 50 to 60 Hz Application Conditions Inrush current 19 A Application Conditions Inrush current 19 A Application Conditions 1% Inrush current 21 SW Makimum din level 1% Power Sactor (Fraction) 09 Product Data 18 Cable Product Data RC5328 LED3is/840 PSD W8L141 P	Light source color	840 neutral white	Power consumption tolerance	+/-10%
Luminaire light beam spread 100° Control gear failure rate at median useful 5 % Unified glare rating CEN 19	Optic type	-		
Unified glare rating CEN Poperating and Electrical Input Voltage 220-240 V	Optical cover type	Polymethyl methacrylate bowl/cover	Over Time Performance (IEC Compliant)	
Lumen maintenance at median useful life' 50000 h Life' 50000 h	Luminaire light beam spread	100°	Control gear failure rate at median useful	15%
Dispatching and Electrical life' 50000 h Input Voltage 220-240 V Line Frequency 50 to 60 Hz Application Conditions Inrush current 19 A Performance ambient temperature Tq 25 °C Inrush time 0.28 ms Maximum dim level 1% Power Consumption 215 W Suitable for random switching No Power Factor (Fraction) 0.9 Product Data Connection Push-in connector 5-pole Product Data RC5328 LED3IS/840 PSD W8L141 PCV PIS Number of products on MCB of 16 A type 24 Full product code RC5328 LED3IS/840 PSD W8L141 PCV PIS B Full product code 910502051103 Temperature Material Nr. (12NC) 910502051103 Ambient temperature range +10 to +40 °C Numerator - Quantity Per Pack 1 EAN/UPC - Product/Case 8718699063603 Controls and Dimming Numerator - Packs per outer box 1 Dimmable Yes EAN/UPC - Case 8718699063603 Control interface Dower supply unit with DALI interface EAN/UPC - Case 8718699063603	Unified glare rating CEN	19	life 50000 h	
Input Voltage 220-240 V			Lumen maintenance at median useful	L85
Line Frequency 50 to 60 Hz Application Conditions Inrush current 19 A Performance ambient temperature Tq 25 °C Inrush time 0.28 ms Maximum dim level 1% Suitable for random switching No Power Factor (Fraction) 0.9 Connection Push-in connector 5-pole Product Data Connection Push-in connector 5-pole Product name RC532B LED31S/840 PSD W8L141 PCV P15 Number of products on MCB of 16 A type 24 Bull product name RC532B LED31S/840 PSD W8L141 PCV P15 Bull product code 871869906360300 Corder code 910502051103 Temperature Parture	Operating and Electrical		life* 50000 h	
Inrush current 19 A Performance ambient temperature Tq 25 °C Inrush time 0.28 ms Maximum dim level 1% Power Consumption 21.5 W Suitable for random switching No Power Factor (Fraction) 0.9 Product Data Connection Push-in connector 5-pole Product Data RC532B LED315/840 PSD W8L141 PCV PI5 Number of products on MCB of 16 A type 2 Full product name RC532B LED315/840 PSD W8L141 PCV PI5 B Full product code 871869906360300 Order code 910502051103 Temperature Material Nr. (12NC) 910502051103 Ambient temperature range 110 to +40 °C Numerator - Quantity Per Pack 1 Controls and Dimming Yes Numerator - Packs per outer box 1 EAN/UPC - Product/Case 8718699063603 Numerator - Packs per outer box 1 EAN/UPC - Case 8718699063603 EAN/UPC - Case 8718699063603	Input Voltage	220-240 V		
Invish time 0.28 ms Maximum dim level 1% Power Consumption 21.5 W Suitable for random switching No Power Factor (Fraction) 0.9 Froduct Data Connection Push-in connector 5-pole Product Data Froduct name RC5328 LED315/840 PSD W8L141 PCV PIS DEVAILABLE PCV	Line Frequency	50 to 60 Hz	Application Conditions	
Power Consumption21.5 WSuitable for random switchingNoPower Factor (Fraction)0.9ConnectionProduct DataCable-Order product nameRC532B LED3Is/840 PSD W8L141 PCV PISNumber of products on MCB of 16 A type24Full product codeRC532B LED3Is/840 PSD W8L141 PCV PISBFull product code871869906360300TemperatureMaterial Nr. (12NC)910502051103Ambient temperature range+10 to +40 °CNumerator - Quantity Per Pack1Controls and DimmingYesEAN/UPC - Product/Case8718699063603DimmableYesEAN/UPC - Case8718699063603Diver/power unit/transformerPower supply unit with DALI interfaceEAN/UPC - Case8718699063603Control interfaceDALI	Inrush current	19 A	Performance ambient temperature Tq	25 °C
Power Factor (Fraction) 0.9 Connection Push-in connector 5-pole Product Data Cable - Order product name RC532B LED3IS/840 PSD W8L141 PCV PIS Number of products on MCB of 16 A type 24 Full product cade 871869906360300 B Full product code 910502051103 Temperature Material Nr. (12NC) 910502051103 Ambient temperature range +10 to +40 °C Numerator - Quantity Per Pack 1 Controls and Dimming Fan/UPC - Product/Case 8718699063603 Control will-transformer Yes Aumerator - Packs per outer box 1 Driver/power unit/transformer Power supply unit with DALI interface Aumerator - Packs per outer box 8718699063603 Control interface DALI	Inrush time	0.28 ms	Maximum dim level	1%
Connection Push-in connector 5-pole Product Data Cable Order product name RC532B LED31S/840 PSD W8L141 PCV PI5 Number of products on MCB of 16 A type 24 Full product name RC532B LED31S/840 PSD W8L141 PCV PI5 B Full product code 871869906360300 Temperature Material Nr. (12NC) 910502051103 Ambient temperature range +10 to +40 °C Numerator - Quantity Per Pack 1 EAN/UPC - Product/Case 8718699063603 8718699063603 Controls and Dimming Numerator - Packs per outer box 1 Enver/power unit/transformer Power supply unit with DALI interface EAN/UPC - Case 8718699063603 Control interface DALI EAN/UPC - Case 8718699063603	Power Consumption	21.5 W	Suitable for random switching	No
Cable Order product name RC532B LED3IS/840 PSD W8L14I PCV PI5 Number of products on MCB of 16 A type 24 Full product name RC532B LED3IS/840 PSD W8L14I PCV PI5 B Full product code 871869906360300 Order code 910502051103 Temperature Material Nr. (12NC) 910502051103 Ambient temperature range +10 to +40 °C Numerator - Quantity Per Pack 1 EAN/UPC - Product/Case 8718699063603 Controls and Dimming Yes EAN/UPC - Case 8718699063603 Dimmable Yes EAN/UPC - Case 8718699063603 Enver/power unit/transformer Power supply unit with DALI interface EAN/UPC - Case 8718699063603	Power Factor (Fraction)	0.9		
Number of products on MCB of 16 A type 24 Full product name RC532B LED31S/840 PSD W8L141 PCV PIS B Full product code 871869906360300 Coder code 910502051103 Temperature Material Nr. (12NC) 910502051103 Ambient temperature range +10 to +40 °C Numerator - Quantity Per Pack 1 EAN/UPC - Product/Case 8718699063603 3 Controls and Dimming Yes EAN/UPC - Case 8718699063603 Dimmable Yes EAN/UPC - Case 8718699063603 Control interface DALI	Connection	Push-in connector 5-pole	Product Data	
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Temperature Order code 910502051103 Ambient temperature range +10 to +40 °C Material Nr. (12NC) 910502051103 Numerator - Quantity Per Pack 1 EAN/UPC - Product/Case 8718699063603 Numerator - Packs per outer box 1 Dimmable Yes EAN/UPC - Case 8718699063603 Driver/power unit/transformer Power supply unit with DALI interface EAN/UPC - Case 8718699063603	Number of products on MCB of 16 A type	24	Full product name	RC532B LED31S/840 PSD W8L141 PCV PI5
Temperature Material Nr. (12NC) 910502051103 Ambient temperature range +10 to +40 °C Numerator - Quantity Per Pack 1 EAN/UPC - Product/Case 8718699063603 Numerator - Packs per outer box 1 Dimmable Yes EAN/UPC - Case 8718699063603 Driver/power unit/transformer Power supply unit with DALI interface EAN/UPC - Case 8718699063603	В		Full product code	871869906360300
Ambient temperature range +10 to +40 °C Numerator - Quantity Per Pack 1 EAN/UPC - Product/Case 8718699063603 Controls and Dimming Numerator - Packs per outer box 1 Dimmable Yes EAN/UPC - Case 8718699063603 Driver/power unit/transformer Power supply unit with DALI interface EAN/UPC - Case 8718699063603 Control interface DALI			Order code	910502051103
EAN/UPC - Product/Case 8718699063603 Controls and Dimming Numerator - Packs per outer box 1 EAN/UPC - Case 8718699063603 Numerator - Packs per outer box 6718699063603 EAN/UPC - Case 8718699063603 Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI	Temperature		Material Nr. (12NC)	910502051103
Controls and Dimming Numerator - Packs per outer box 1 Dimmable Yes EAN/UPC - Case 8718699063603 Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI	Ambient temperature range	+10 to +40 °C	Numerator - Quantity Per Pack	1
Dimmable Yes EAN/UPC - Case 8718699063603 Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI			EAN/UPC - Product/Case	8718699063603
Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI	Controls and Dimming		Numerator - Packs per outer box	1
Control interface DALI	Dimmable	Yes	EAN/UPC - Case	8718699063603
	Driver/power unit/transformer	Power supply unit with DALI interface		
Constant light output No	Control interface	DALI		
	Constant light output	No		

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Dimensional drawing





