



# KeyLine, Surface & Suspended

## SM350C 50S/840 PSD PCS L1500 ALU

KeyLine, Surface & Suspended, 38 W, L1500 mm; H70 mm, 5000 lm, 4000 K, DALI, UGR19

These days, many office owners and office lighting designers prefer lines of light. The reason is simple. Not only do light lines come in a minimalistic design; they also offer far more choice and flexibility. Short or long lines and luminaires, standalone luminaires, different optics including asymmetric, different shapes and even a variety of colors; anything is possible. And with KeyLine, all these benefits come at a competitive price while still complying with office lighting norms. KeyLine is a superb light line range with a slim, minimalistic design and a high lumen output to illuminate the brightest office spaces. But with comfortable, low levels of glare it's also easy on the eye and complies with UGR19. That makes KeyLine ideal for linear applications, as well as standalone suspended or surface-mounted luminaires (Accessories to be ordered separately). A range that offers the ultimate flexibility and unlimited possibilities. KeyLine design flexibility comes in the form of different lengths, colors and light outputs - including L-shapes, as well as straight lines. All with high efficiency up to 142 lm/W, and the option to upgrade with wireless connectivity and control. Add to that attractive pricing, and with KeyLine you can also enjoy excellent value that ensures a superb total cost of ownership.

### Warnings and Safety

- KeyLine luminaires have an IP20 classification and are not protected against water ingress. We strongly recommend that the installation environment is checked for suitability.
- If – despite the IPX0 classification warning – luminaires are subject to water ingress, Philips and Signify cannot guarantee safety or prevent failure. In this case the product warranty does not apply and becomes void.

### Product data

## KeyLine, Surface & Suspended

General Information	
Light source replaceable	No
Number of gear units	1 unit
Driver included	Yes
Service tag	Yes
Lighting Technology	LED
Value ladder	Performance
Serviceability class	Class C, luminaire without serviceable parts, not serviceable
Warranty period	5 years
Sustainability rating	Unclassified

Light Technical	
Luminous Flux	5,000 lm
Saturated Red (R9)	<50
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	135 lm/W
Color rendering index (CRI)	>80
Beam angle of light source	120 degree(s)
Light source color	840 neutral white
Optic type	Medium beam
Luminaire light beam spread	74° x 74°
Unified glare rating CEN	19

Sustainability Data	
Embedded carbon (A1-A3)	75.4 kg CO <sub>2</sub> e
Recyclable content ratio of the finished product	59.8 %
Product non-virgin material ratio	4.12 %
GWP total B6 (kg CO <sub>2</sub> eq) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO <sub>2</sub> eq / kwh)
GWP total B6 (kg CO <sub>2</sub> eq) Functional Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * 1000 (lm) /lumen output (lm) Declared Unit * 35000 (hrs) * Energy mix (kg CO <sub>2</sub> eq / kwh)

Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	23.1 A
Inrush time	221 ms
Power Consumption	38 W
Power Factor (Fraction)	0.9
Connection	Push-in connector 5-pole
Cable	-
Number of products on MCB of 16 A type B	22
Suitable for random switching	No
Protection class IEC	Safety class I

Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No
DALI Standard	DALI-2™
Maximum dim level	1%

Mechanical and Housing	
Housing Material	Aluminum
Reflector material	Steel
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	Stainless steel
Housing Color	Aluminum
Optical cover finish	Textured
Overall length	1,407 mm
Overall width	70 mm
Overall height	70 mm
Dimensions (Height x Width x Depth)	70 x 70 x 1407 mm
Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK06 [1 J]
Net Weight (Piece)	3.360 kg

Approval and Application	
Glow-wire test	Temperature 650 °C, duration 30 s
Flammability mark	For mounting on normally flammable surfaces
CE mark	Yes
ENEC mark	ENEC mark
Photobiological risk	Photobiological risk group 0 @200mm to EN62778
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Flickering value (PstLM) - Flickering value as 1 per EN 61000-3-3	
Stroboscopic effect visibility measure (SVM)	0.4
Ambient temperature range	+10 to +35 °C

Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.39, 0.38) SDCM <3
Power consumption tolerance	+/-10%
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤3

Over Time Performance (IEC Compliant)	
Control gear failure rate at median useful life 50000 h	5 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L90

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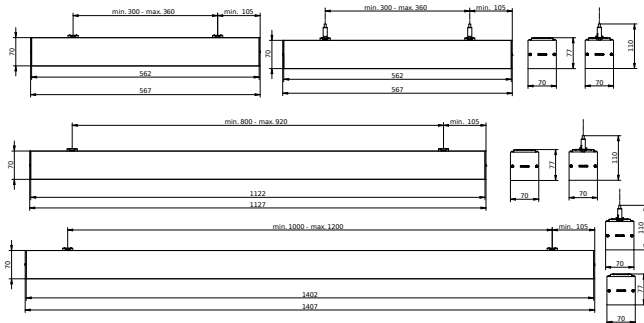
Lumen maintenance (EN-IEC 62722-2-1) at L80  
median useful life\* 100000 h

### Product Data

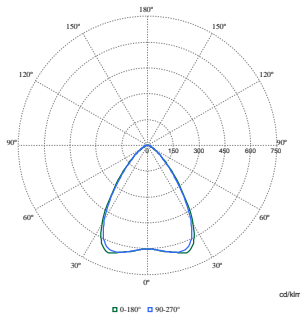
Order product name	SM350C 50S/840 PSD PCS L1500 ALU
Full product name	SM350C 50S/840 PSD PCS L1500 ALU
Full product code	871951462449800
Order code	62449800

Material Nr. (12NC)	910925868385
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514624498
Numerator - Packs per outer box	1
EAN/UPC - Case	8719514624498
Product family code	SM350C [KeyLine]

### Dimensional drawing



### Photometric data



Polar Normal (separate) - SM350CI - 910925868385

