



Ledinaire surfacemounted

SM060C LED34S/840 PSU W20L120 OC

Ledinaire surface-mounted, 34 W, 1200x200 mm, 3400 lm, 4000 K, UGR19

The Philips Ledinaire surface-mounted (SM060C) is a range of popular off-the-shelf LED luminaires that come with Philips high quality levels at a competitive price. Reliable, energy efficient and affordable, Ledinaire surface-mounted luminaires are designed for diffuse, comfortable lighting in a wide range of general lighting applications – just what you need.

Product data

General Information	
Light source replaceable	No
Number of gear units	1 unit
Driver included	Yes
Lighting Technology	LED
Value ladder	Value
Serviceability class	Class C, luminaire without serviceable
	parts, not serviceable
Warranty period	3 years
Sustainability rating	-
Light Technical	
Luminous Flux	3,400 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	100 lm/W
Color rendering index (CRI)	>80

Beam angle of light source	80 degree(s)
Light source color	840 neutral white
Optic type	Beam angle 90°
Luminaire light beam spread	90°
Unified glare rating CEN	19
Operating and Electrical	
Input Voltage	220-240 V
Line Frequency	50 or 60 Hz
Inrush current	10.8 A
Inrush time	0.036 ms
Power Consumption	34 W
Power Factor (Fraction)	0.9
Connection	Push-in connector 3-pole
Cable	-
Number of products on MCB of 16 A type B	24

Datasheet, 2025, May 21 data subject to change

Ledinaire surface-mounted

Suitable for random switching Protection class IEC Safety class I Total harmonic distortion Controls and Dimming Dimmable No Driver/power unit/transformer Power supply unit (On/Off) Control interface - Constant light output No Mechanical and Housing Housing Material Steel Optic material Polycarbonate Optical cover material Steel Housing Color White Optical cover material Steel Housing Color White Optical cover finish Opal Overall length 1,200 mm Overall width 200 mm Overall height × Width × Depth) S3 x 200 x 1200 mm Ingress protection code Mech. impact protection code Mech. impact protection code Metheight (Piece) Approval and Application Glow-wire test Flammability mark For mounting on normally flammable surfaces CE mark Yes ENEC mark Photobiological risk Photobiological risk group 0 @200mm to EN62778 EU ROHS compliant Yes Performance ambient temperature Tq 25 °C		
Total harmonic distortion 20 % Controls and Dimming Dimmable No Driver/power unit/transformer Power supply unit (On/Off) Control interface - Constant light output No Mechanical and Housing Housing Material Reflector material Polycarbonate Optic material Polycarbonate Optical cover material Steel Housing Color White Optical cover finish Opal Overall length 1,200 mm Overall width 200 mm Overall height x Width x Depth) Dimensions (Height x Width x Depth) Ingress protection code IP20 [Finger-protected] Mech. impact protection code IRO3 [0.3 J] Net Weight (Piece) 3.290 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 Photobiological risk group 0 @200mm to EN62778 EU ROHS compliant Yes	Suitable for random switching	Yes
Controls and Dimming Dimmable No Driver/power unit/transformer Power supply unit (On/Off) Control interface - Constant light output No Mechanical and Housing Housing Material Steel Reflector material Polycarbonate Optic material Polycarbonate Optical cover material Steel Housing Color White Optical cover finish Opal Overall length 1,200 mm Overall width 200 mm Overall width 200 mm Dimensions (Height x Width x Depth) Singress protection code IP20 [Finger-protected] Mech. impact protection code IRO3 [0.3 J] Net Weight (Piece) 3.290 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 Photobiological risk group 0 @200mm to EN62778 EU RoHS compliant Yes	Protection class IEC	Safety class I
Dimmable Driver/power unit/transformer Power supply unit (On/Off) Control interface Constant light output No Mechanical and Housing Housing Material Reflector material Optic material Optic material Optical cover material Housing Color Optical cover finish Opal Overall length Overall length Dimensions (Height x Width x Depth) Ingress protection code Mech. impact protection code Mech. impact protection code Mech. impact protection code Approval and Application Glow-wire test Temperature 650 °C, duration 30 s Flammability mark Photobiological risk Photobiological risk group 0 @200mm to EN62778 EU RoHS compliant Yes	Total harmonic distortion	20 %
Dimmable Driver/power unit/transformer Power supply unit (On/Off) Control interface Constant light output No Mechanical and Housing Housing Material Reflector material Optic material Optic material Optical cover material Housing Color Optical cover finish Opal Overall length Overall length Dimensions (Height x Width x Depth) Ingress protection code Mech. impact protection code Mech. impact protection code Mech. impact protection code Approval and Application Glow-wire test Temperature 650 °C, duration 30 s Flammability mark Photobiological risk Photobiological risk group 0 @200mm to EN62778 EU RoHS compliant Yes		
Driver/power unit/transformer Control interface Constant light output No Mechanical and Housing Housing Material Reflector material Optic material Optical cover material Housing Color Optical cover finish Opal Overall length Overall width Overall height Dimensions (Height x Width x Depth) Ingress protection code Mech. impact protection code Mech. impact protection Glow-wire test Flammability mark For mounting on normally flammable surfaces CE mark Photobiological risk Photobiological risk group 0 @200mm Tespen Street Fundament of ENG2778 EU RoHS compliant No Steel Acrylate and polycarbonate Steel Housing Color White Opal Op	Controls and Dimming	
Control interface - Constant light output No Mechanical and Housing Housing Material Steel Reflector material Polycarbonate Optic material Acrylate and polycarbonate Fixation material Steel Housing Color White Optical cover finish Opal Overall length 1,200 mm Overall width 200 mm Overall width 53 mm Dimensions (Height x Width x Depth) 53 x 200 x 1200 mm Ingress protection code IP20 [Finger-protected] Mech. impact protection code IKO3 [0.3 J] Net Weight (Piece) 3.290 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 Photobiological risk group 0 @200mm to EN62778 EU RoHS compliant Yes	Dimmable	No
Mechanical and Housing Housing Material Reflector material Optic material Optical cover material Optical cover material Steel Housing Color White Optical cover finish Opal Overall length 1,200 mm Overall width 200 mm Overall width 200 mm Overall height × Width × Depth) Ingress protection code Mech. impact protection code Net Weight (Piece) Approval and Application Glow-wire test Flammability mark For mounting on normally flammable surfaces ENEC mark Photobiological risk FUNDAMS Steel Steel Acrylate and polycarbonate Steel Housing Color White Opal Opal Overall width 200 mm 200 mm 53 x 200 x 1200 mm Impress protection code IRO3 [0.3 J] 3.290 kg Flammability mark For mounting on normally flammable surfaces Yes ENEC mark Photobiological risk group 0 @200mm to EN62778 EU RoHS compliant Yes	Driver/power unit/transformer	Power supply unit (On/Off)
Mechanical and Housing Housing Material Reflector material Optic material Optical cover material Fixation material Housing Color Optical cover finish Opal Overall length Overall length Overall height Dimensions (Height x Width x Depth) Ingress protection code Mech. impact protection code Met Weight (Piece) Approval and Application Glow-wire test Flammability mark For mounting on normally flammable surfaces CE mark Photobiological risk Photobiological risk group 0 @200mm to EN62778 EU RoHS compliant Yes	Control interface	-
Reflector material Reflector material Optic material Optical cover material Optical cover material Fixation material Housing Color Optical cover finish Opal Overall length Overall width Overall width Dimensions (Height x Width x Depth) Ingress protection code Mech. impact protection code Mey impact protection code Approval and Application Glow-wire test Flammability mark For mounting on normally flammable surfaces CE mark Photobiological risk Photobiological risk group 0 @200mm to EN62778 EU RoHS compliant Yes	Constant light output	No
Reflector material Reflector material Optic material Optical cover material Optical cover material Fixation material Housing Color Optical cover finish Opal Overall length Overall width Overall width Dimensions (Height x Width x Depth) Ingress protection code Mech. impact protection code Mey impact protection code Approval and Application Glow-wire test Flammability mark For mounting on normally flammable surfaces CE mark Photobiological risk Photobiological risk group 0 @200mm to EN62778 EU RoHS compliant Yes		
Reflector material Optic material Polycarbonate Optical cover material Acrylate and polycarbonate Fixation material Steel Housing Color White Optical cover finish Opal Overall length 1,200 mm Overall width 200 mm Overall height 53 mm Dimensions (Height x Width x Depth) Ingress protection code IP20 [Finger-protected] Mech. impact protection code IK03 [0.3 J] Net Weight (Piece) 3.290 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 Photobiological risk Photobiological risk group 0 @200mm to EN62778 EU RoHS compliant Yes	Mechanical and Housing	
Optical cover material Optical cover material Acrylate and polycarbonate Fixation material Steel Housing Color White Optical cover finish Opal Overall length 1,200 mm Overall width 200 mm Overall height 53 mm Dimensions (Height x Width x Depth) Ingress protection code IP20 [Finger-protected] Mech. impact protection code IR03 [0.3 J] Net Weight (Piece) 3.290 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 Photobiological risk Photobiological risk group 0 @200mm to EN62778 EU RoHS compliant Yes	Housing Material	Steel
Optical cover material Acrylate and polycarbonate Fixation material Steel Housing Color White Optical cover finish Opal Overall length 1,200 mm Overall width 200 mm Overall height 53 mm Dimensions (Height x Width x Depth) 53 x 200 x 1200 mm Ingress protection code IP20 [Finger-protected] Mech. impact protection code IK03 [0.3 J] Net Weight (Piece) 3.290 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 Photobiological risk group 0 @200mm to EN62778 EU RoHS compliant Yes	Reflector material	Steel
Fixation material Housing Color Optical cover finish Opal Overall length 1,200 mm Overall width 200 mm Overall height 53 mm Dimensions (Height x Width x Depth) Ingress protection code IP20 [Finger-protected] Mech. impact protection code IK03 [0.3 J] Net Weight (Piece) 3.290 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 Photobiological risk Photobiological risk group 0 @200mm to EN62778 EU RoHS compliant Yes	Optic material	Polycarbonate
Housing Color Optical cover finish Opal Overall length 1,200 mm Overall width 200 mm Overall height 53 mm Dimensions (Height x Width x Depth) Ingress protection code IP20 [Finger-protected] Mech. impact protection code IK03 [0.3 J] Net Weight (Piece) 3.290 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 Photobiological risk Photobiological risk group 0 @200mm to EN62778 EU RoHS compliant Yes	Optical cover material	Acrylate and polycarbonate
Optical cover finish Opal Overall length 1,200 mm Overall width 200 mm Overall height 53 mm Dimensions (Height x Width x Depth) Ingress protection code IP20 [Finger-protected] Mech. impact protection code IK03 [0.3 J] Net Weight (Piece) 3,290 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 Photobiological risk Photobiological risk group 0 @200mm to EN62778 EU RoHS compliant Yes	Fixation material	Steel
Overall length 1,200 mm Overall width 200 mm Overall height 53 mm Dimensions (Height x Width x Depth) 53 x 200 x 1200 mm Ingress protection code IP20 [Finger-protected] Mech. impact protection code IK03 [0.3 J] Net Weight (Piece) 3.290 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 - Photobiological risk group 0 @200mm to EN62778 EU RoHS compliant Yes	Housing Color	White
Overall width 200 mm Overall height 53 mm Dimensions (Height x Width x Depth) 53 x 200 x 1200 mm Ingress protection code IP20 [Finger-protected] Mech. impact protection code IK03 [0.3 J] Net Weight (Piece) 3.290 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 - Photobiological risk Photobiological risk group 0 @200mm to EN62778 EU RoHS compliant Yes	Optical cover finish	Opal
Overall height 53 mm Dimensions (Height x Width x Depth) 53 x 200 x 1200 mm Ingress protection code IP20 [Finger-protected] Mech. impact protection code IK03 [0.3 J] Net Weight (Piece) 3.290 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 - Photobiological risk Photobiological risk group 0 @200mm to EN62778 EU RoHS compliant Yes	Overall length	1,200 mm
Dimensions (Height x Width x Depth) Ingress protection code IP20 [Finger-protected] Mech. impact protection code IK03 [0.3 J] Net Weight (Piece) 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 Photobiological risk Photobiological risk group 0 @200mm to EN62778 EU RoHS compliant Yes	Overall width	200 mm
Ingress protection code IP20 [Finger-protected] Mech. impact protection code IK03 [0.3 J] Net Weight (Piece) 3.290 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 Photobiological risk Photobiological risk group 0 @200mm to EN62778 EU RoHS compliant Yes	Overall height	53 mm
Mech. impact protection code IKO3 [0.3 J] Net Weight (Piece) 3.290 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 Photobiological risk Photobiological risk group 0 @200mm to EN62778 EU RoHS compliant Yes	Dimensions (Height x Width x Depth)	53 x 200 x 1200 mm
Net Weight (Piece) 3.290 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 Photobiological risk Photobiological risk group 0 @200mm to EN62778 EU RoHS compliant Yes	Ingress protection code	IP20 [Finger-protected]
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 - Photobiological risk Photobiological risk group 0 @200mm to EN62778 EU RoHS compliant Yes	Mech. impact protection code	IK03 [0.3 J]
Glow-wire test Temperature 650 °C, duration 30 s Flammability mark For mounting on normally flammable surfaces CE mark Yes ENEC mark - Photobiological risk Photobiological risk group 0 @200mm to EN62778 EU RoHS compliant Yes	Net Weight (Piece)	3.290 kg
Glow-wire test Temperature 650 °C, duration 30 s Flammability mark For mounting on normally flammable surfaces CE mark Yes ENEC mark - Photobiological risk Photobiological risk group 0 @200mm to EN62778 EU RoHS compliant Yes		
Flammability mark For mounting on normally flammable surfaces CE mark Yes ENEC mark - Photobiological risk Photobiological risk to EN62778 EU RoHS compliant Yes	Approval and Application	
surfaces CE mark Yes ENEC mark - Photobiological risk Photobiological risk group 0 @200mm to EN62778 EU RoHS compliant Yes	Glow-wire test	Temperature 650 °C, duration 30 s
CE mark ENEC mark Photobiological risk Photobiological risk Photobiological risk group 0 @200mm to EN62778 EU RoHS compliant Yes	Flammability mark	For mounting on normally flammable
ENEC mark - Photobiological risk Photobiological risk group 0 @200mm to EN62778 EU RoHS compliant Yes		surfaces
Photobiological risk Photobiological risk group 0 @200mm to EN62778 EU RoHS compliant Yes	CE mark	Yes
to EN62778 EU RoHS compliant Yes	ENEC mark	-
EU RoHS compliant Yes	Photobiological risk	Photobiological risk group 0 @200mm
•		to EN62778
Performance ambient temperature Tq 25 °C	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)	1.6
Ambient temperature range	+10 to +40 °C
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-50%
Initial chromaticity	SDCM<5
Power consumption tolerance	+/-10%
Standard Deviation of Colour Matching	SDCM≤5
(McAdam ellipse)	
Over Time Performance (IEC Compliant)	
Driver failure rate at 5000 h	0.005 %
Control gear failure rate at median useful life	7.5 %
50000 h	
Lumen maintenance (EN-IEC 62722-2-1) at	L75
median useful life* 50000 h	
Lumen maintenance (EN-IEC 62722-2-1) at	L65
median useful life* 75000 h	
Product Data	
Order product name	SM060C LED34S/840 PSU W20L120
	OC
Full product name	SM060C LED34S/840 PSU W20L120
	OC
Full product code	871016335039400
Order code	911401842280
Material Nr. (12NC)	911401842280
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8710163350394
Numerator - Packs per outer box	1
EAN/UPC - Case	8710163350394

Dimensional drawing

SM060 8 1070 1200 200 200

Ledinaire surface-mounted



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