



Ledinaire Square Wall-mounted

WLO55V LED6S/840 PSR MDU WH

Ledinaire Square Wall-mounted, 6 W, 374x150 mm, 630 lm, 4000 K, Sensor-based dim, MDU2, IP65

Public spaces and circulation areas demand the most reliable lighting solutions - especially parking garages, offices, entrances, hallways, corridors, and staircases. With Philips Ledinaire, you get superb reliability and more. This popular range features a selection of essential LED luminaires that you can choose off the shelf. Like our modern, Ledinaire square wall-mounted WLO55V model that's suitable for a wide range of general lighting applications. And just like the rest of the Ledinaire range, it's designed with Philips high quality standards at a very competitive price. An affordable, reliable, and energy-efficient choice for wall mounting, from the leading name in LED.

Warnings and Safety

- For MDU (Motion Detection Unit) versions:
- Sensor coverage may vary between indoor and outdoor applications.
- Strong wind and rain may trigger the sensor if there are no surroundings such as walls, roof etc.
- Any vibration or movement may trigger the sensor. Ensure the sensor is far from any such continuous signal.

Product data

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

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Light Technical	
Luminous Flux	630 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	105 lm/W
Color rendering index (CRI)	>80
Beam angle of light source	110 degree(s)
Light source color	840 neutral white
Optic type	Beam angle 110°
Luminaire light beam spread	110°
Unified glare rating CEN	25

Sustainability Data	
Embedded carbon (A1-A3)	10.3 kg CO ₂ e
Recyclable content ratio of the finished product	50.8 %
Product non-virgin material ratio	7.13 %
GWP total B6 (kg CO ₂ eq) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO ₂ eq / kwh)
GWP total B6 (kg CO ₂ 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 ₂ eq / kwh)

Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz
Inrush current	4 A
Inrush time	0.02 ms
Power Consumption	6 W
Power Factor (Fraction)	0.82
Connection	Push-in connector 3-pole
Cable	-
Number of products on MCB of 16 A type B	140
Suitable for random switching	Not applicable
Protection class IEC	Safety class II
Total harmonic distortion	20 %

Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	Sensor-based dim
Constant light output	No
Maximum dim level	20%
Embedded control	Programmable movement and light sensor

Mechanical and Housing	
Housing Material	Polycarbonate
Reflector material	Steel
Optic material	Polycarbonate

Optical cover material	Polycarbonate
Fixation material	Steel
Housing Color	White
Optical cover finish	Opal
Overall length	374 mm
Overall width	150 mm
Overall height	82 mm
Dimensions (Height x Width x Depth)	82 x 150 x 374 mm
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Net Weight (Piece)	0.750 kg

Approval and Application	
Glow-wire test	Temperature 850 °C, duration 30 s
Flammability mark	-
CE mark	Yes
ENEC mark	-
Photobiological risk	Photobiological risk group 0 @200mm to EN62778
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
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.
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	1.6
Ambient temperature range	-20 to +35 °C

Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Initial chromaticity	SDCM≤5
Power consumption tolerance	+/-10%
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤5

Over Time Performance (IEC Compliant)	
Control gear failure rate at median useful life 50000 h	7.5 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L65

Product Data	
Order product name	WL055V LED6S/840 PSR MDU WH
Full product name	WL055V LED6S/840 PSR MDU WH
Full product code	871016335064699
Order code	911401850580

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Material Nr. (12NC)	911401850580
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8710163350646
Numerator - Packs per outer box	12

EAN/UPC - Case	8710163350653
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Dimensional drawing

