



# Ledinaire Square Wall-mounted

## WL055V LED6S/830 PSR MDU WH

Ledinaire Square Wall-mounted, 6 W, 374x150 mm, 600 lm, 3000 K, Sensor-based dim, MDU2, IP65

374x150 mm, Polycarbonate, White, Power supply unit (On/Off), Programmable movement and light sensor, 600 lm, 6 W, 100 lm/W, 3000 K, SDCM≤5, Beam angle 110°, Opal, Polycarbonate, IP65 | Dust penetration-protected, jet-proof, IK08 | 5 J vandal-protected, Safety class II, Push-in connector 3-pole

### 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		Luminous Efficacy (rated) (Nom)	
Light source replaceable	No		100 lm/W
Number of gear units	1 unit	Color rendering index (CRI)	>80
Driver included	Yes	Beam angle of light source	110 degree(s)
Lighting Technology	LED	Light source color	830 warm white
Value ladder	Value	Optic type	Beam angle 110°
Warranty period	5 years	Luminaire light beam spread	110°
		Unified glare rating CEN	25
Light Technical		Operating and Electrical	
Luminous Flux	600 lm	Input Voltage	220 to 240 V
Correlated Color Temperature (Nom)	3000 K	Line Frequency	50 or 60 Hz

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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 1 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

### Sustainability Data

Sustainability rating	Unclassified
Repair class	Repair Class D, this product is not designed to be repaired.
Embedded carbon (A1-A3)	10.3 kg CO <sub>2e</sub>
Product non-virgin material ratio	7.13 %
Recyclable content ratio of the finished product	50.8 %
GWP total B6 (kg CO <sub>2eq</sub> ) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO <sub>2eq</sub> / kWh)
GWP total B6 (kg CO <sub>2eq</sub> ) 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 eq</sub> / kWh)

### Product Data

Order product name	WL055V LED6S/830 PSR MDU WH
Full product name	WL055V LED6S/830 PSR MDU WH
Full product code	871016335409599
Order code	911401862580
Material Nr. (12NC)	911401862580
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8710163354095
Numerator - Packs per outer box	12
EAN/UPC - Case	8710163354101

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### Dimensional drawing

