

DATA SHEET

ESYLUX

WILMA WL 200 OP 1600 827/840 MD IP65 WH

Item number

EL10851070

GTIN

4015120851070



ON/OFF	2700/ 4000 K	CRI 82	Phi 1600 lm	106 lm/W	IP65	
r 10 m						

Product description

- Automatic light with integrated motion detectors
- Designer light made of die-cast aluminum and plastic
- Rated output P: 15 W, Luminous flux: 1600 lm, Luminous efficacy: 106 lm/W, Colour temperature: 2700/4000 K
- Up to 180° field of detection, range up to 10 m at a mounting height of 1.8 m
- Special product features: Zero-cross switching

Technical data

GENERAL

Device category	Wall light
Included in delivery	Includes lens mask (WILMA LENS MASK STICKER)
User interface	Adjusting controller, Push button input, Slide switch (DIP), IR remote control
Remote controllable	✓
Conformity	CE, EAC, RoHS, WEEE
Test symbol	RCM
Warranty	5 years

ATTACHMENT

Installation type	Surface mounting
Installation position	Wall
Type of connection	Screw terminal
Connectable wire cross section	1.5 - 2.5 mm ²
Number of contacts	4

HOUSING

Dimensions	Length 209 mm x Width 181 mm x Height 141 mm
Weight	509 g
Material	Aluminium and UV-stabilised plastic
Protection type	IP65
Permissible ambient temperature	-25 °C...+50 °C
Relative humidity	5 - 95 %, non-condensing
Impact resistance	IK08, except lens
Colour	white, similar to RAL 9003
Glow wire test in accordance with IEC 60695-2-10	650 °C

ELECTRICAL VERSION

Control system	ON/OFF
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Protection class	II
Nominal voltage	230 V ~ / 50 Hz
Power consumption	15 W
Stand-by consumption	< 0.5 W

LIGHT

Diffuser	opal
Light emission	direct
Beam angle	110 °
Rated output P	15 W
Luminous flux - min	1500 lm
Luminous flux - max	1600 lm
Luminous efficacy - min	100 lm/w
Luminous efficacy - max	106 lm/w
Colour temperature	2700/4000 K
Colour rendering index Ra	> 80
Colour tolerance	5 SDCM
L70B10 lifetime at 25 °C	78000 h
Life time L70B50 at 25 °C	116000 h
Life time L80B10 at 25 °C	49000 h
Life time L80B50 at 25 °C *	65000 h
Life time L90B10 at 25 °C	23000 h
Life time L90B50 at 25 °C	35000 h

SENSORS

Detection angle	100° and 180° creep protection
Detection range diagonally	10 m
Detection range head-on	2.5 m
Recommended installation height	1.8 m

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Max. mounting height	2.5 m
Light measurement	Daylight
Orientation light	disabled/5 – 40 % luminous efficiency
Push button input	✓

CHANNELS (LIGHTING / HVAC)

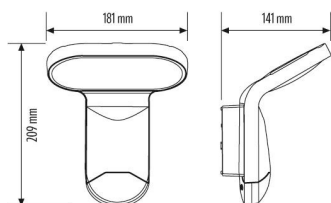
Push button input lighting	1
Push button input HVAC	-
Number of parallel switchable detectors	10

Total number of connected luminaires from the same series	20 x 9 W / 13 x 14.5 W
Slave input	-
Mode	Fully automatic, Semi-automatic, Twilight switching
Switching delay from "dark to light"	180 s
Switching delay from "light to dark"	60 s
Integrated timer	-
Sensitivity configurable	✓

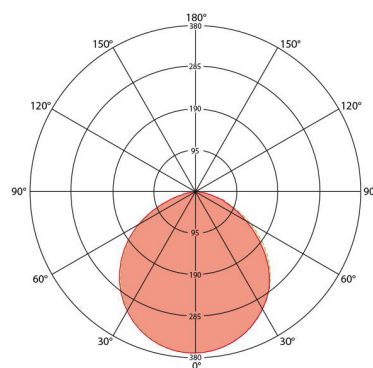
Accessories

Product designation	Item number	Product description	GTIN
Mounting			
WILMA EDGE MOUNTING WH	EL10851117	Corner bracket for WILMA series, colour: white	4015120851117
Remote control			
ESY-Pen	EP10425356	ESY-Pen and ESY-App, two tools for every task: (1) Parameterisation, (2) remote control, (3) light measurement, (4) project management	4015120425356
DEFENSOR REMOTE CONTROL	EM10025501	IR remote control for quickly and easily adjusting the level of brightness, switch-off delay time, detection sensitivity and other parameters.	4015120025501
DEFENSOR REMOTE CONTROL USER	EM10025495	IR remote control for end users of the DEFENSOR series: Setting the level of brightness, the switch-off delay time (5 or 15 minutes) and light ON/OFF for 12 hours	4015120025495

Dimension drawing

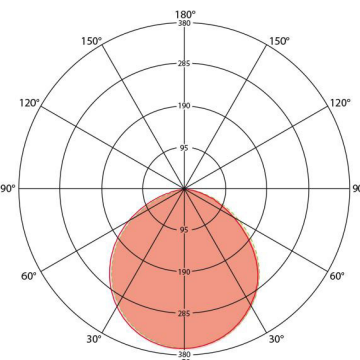
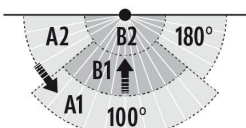


Light distribution

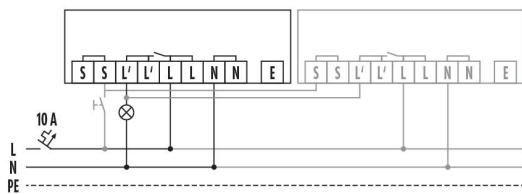


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Light distribution	Field of detections	Detection range	
	 A1 = r10 m, A2 = r5 m, B1 = r2,5 m, B2 = r2 m	Diagonally (A)	10 m
		Frontal (B)	2.5 m

Circuit diagram



Standard operation.

Detailed product description

- Timelessly elegant design with robust housing (protection type IP65)
- Light colour can be switched on the rear of the housing (2700/4000 K)
- Rated output P: 15 W, Luminous flux: 1600 lm, Luminous efficacy: 106 lm/W, Colour temperature: 2700/4000 K
- With integrated motion detectors for demand-driven switching of lighting
- Motion detectors with twilight-dependent light modes for greater safety due to dimmed afterglow or orientation light
- Motion detectors with anti-creep protection
- Basic settings of the motion detectors can be adjusted using a potentiometer or conveniently with the ESY-Pen & ESY-App or remote control
- Password protection against unauthorized parameterization via remote control or app
- Extension of the field of detection due to connecting several luminaires with motion detectors in parallel
- Easy limitation of detection range and range by means of a cut-to-size lens cover
- Includes push button input
- Easy wall mounting due to universal one-hand plug-in base with large wiring space
- Easy through-wiring due to double cable entry with elastic sealing membrane
- Enclosed plug-in terminal for easy through-wiring of the protective conductor