

# SUNON RND, SUNON SQR

## LUMINAIRE FEATURES

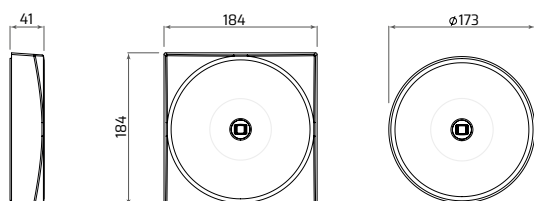
- Wide selection of colors
- Vandal-resistant housing with high mechanical resistance IK10
- Available in two shape variants: round (SUNON RND) and square (SUNON SQR)
- Quick and easy installation

## AVAILABLE SYSTEMS

- STANDARD** – (ST) tests commissioned manually
- AUTOTEST** – (AT) internal components, battery and light source tests being performed automatically
- CENTRALTEST** – (CT) internal components, battery and light source tests being performed on command from the main unit
- CENTRALTEST WIRELESS** – (CTBT, CTRF, CTW) Centraltest with RF and/or Bluetooth radio communication
- CB** – luminaire supplied centrally from the HVCBS
- CBAM** – luminaire supplied centrally from the HVCBS, with built-in address module and operating mode selection
- LVAM** – luminaire supplied centrally with 24V DC from the LVDBS, with built-in address module and operating mode selection



## DIMENSIONS



## MOUNTING TYPE

Directly to the ceiling



## TECHNICAL DATA

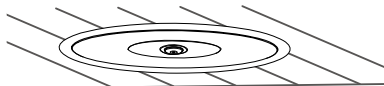
<b>Material</b>	housing	PC/ABS mix
<b>Supply voltage</b>	ST, AT, CT, CTW	230V AC 50/60Hz
	CB, CBAM	230V AC 50/60Hz 170–275V DC
	LVAM	10–32V DC
<b>Protection class</b>	ST, AT, CT, CTW, CB, CBAM	II
	LVAM	III
<b>Ingress protection</b>		IP54
<b>Mechanical resistance</b>		IK10
<b>Light source</b>		LED module <sup>1)</sup>
<b>Correlated Color Temperature</b>	CW	5200–5700K
	NW	3700–4200K
	WW	2700–3300K
<b>Colour rendering index</b>		70
<b>Light source supply power</b>		1W, 2W, 3W, 5W
<b>Battery type and voltage</b>		Li-Ion 7.4V
<b>Battery capacity</b>		0.7Ah, 2.2Ah, 4.4Ah
<b>Battery recharging time</b>	ST, AT, CT, CTW	< 12h
<b>Emergency operation time</b>	ST, AT, CT, CTW	1h, 3h, 8h
<b>Ambient temperature</b>	ST, AT, CT, CTW	+5 – +35°C; TE: <sup>2)</sup> -25 – +35°C
	CB, CBAM	-10 – +40°C;
	LVAM	-25 – +45°C
<b>Supply cable cross-section area</b>		0.5–2.5mm <sup>2</sup>
<b>Supply cable diameter</b>		≤ 16mm
<b>Communication cable diameter</b>	CT	≤ 7mm
<b>Through wiring</b>		Yes
<b>Suitable for surface wiring</b>		No

<sup>1)</sup> Non-exchangeable, but serviceable light source;

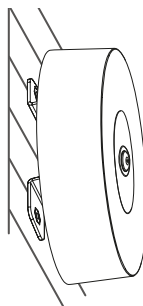
<sup>2)</sup> TE – extended temperature range

**ADDITIONAL MOUNTING KITS**

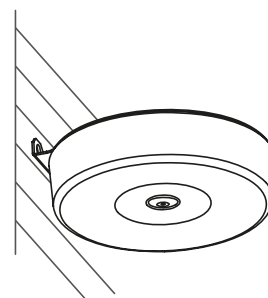
**C128** – flush mounting



**W180** – back to the wall



**W182** – sideways to the wall



**UNIVERSAL MOUNTING KITS**

**UMK C143** – complete kit for suspension mounting on cables with adjustable length



**UMK C144 - CO** – complete kit for suspension mounting on cables



**UMK C144 - CH** – complete set for suspension mounting on chains



**UMK C200** – set of two steel cables with loops, with adjustable length (to be used together with UMK C202)



**UMK C201** – set of two steel chains (to be used together with UMK C202)

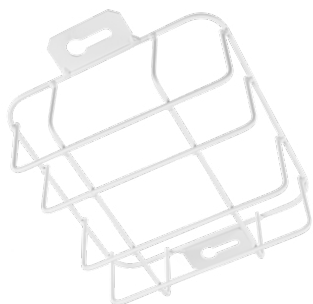


**UMK C202** – set of hooks for hanging luminaires



**ADDITIONAL ACCESSORY**

**Protective cages** – an accessory mounted directly to the mounting surface, available in various versions, individually tailored to the installation method



**SAMPLE CONFIGURATIONS**

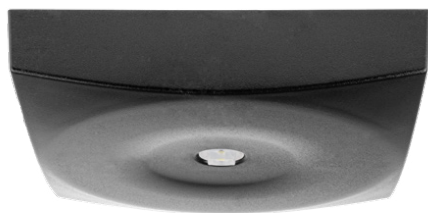
SUNON RND, side, 9016



SUNON RND, area, 7016



SUNON SQR, road, 9005

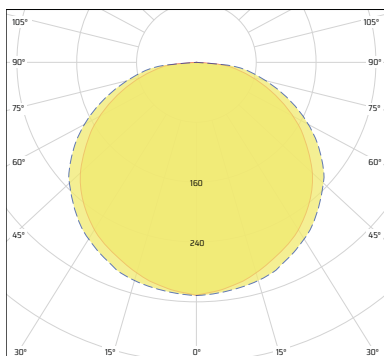


SUNON SQR, road, 7042



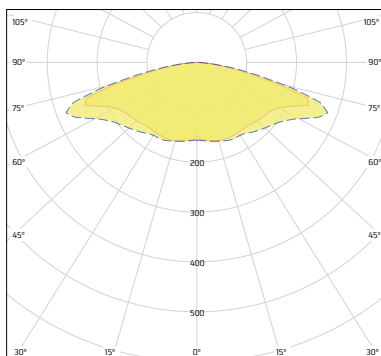
**AVAILABLE OPTICS, LIGHT DISTRIBUTION CURVES AND MINIMUM LUMINOUS FLUX**

**AREA – (AR)** symmetrical light distribution in all directions, recommended for use in places of considerable height or to illuminate fire points



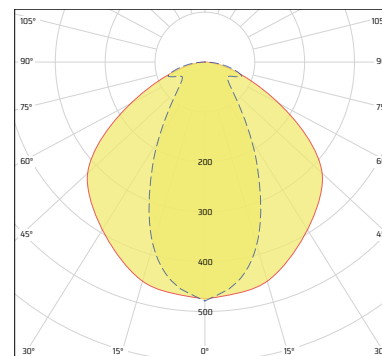
Power [W]	Flux [lm]
1	161
2	291
3	371
5	579

**AREA PLUS – (AP)** symmetrical light distribution in all directions, ensuring adequate illumination on a large area



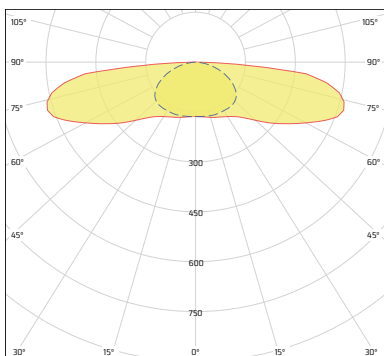
Power [W]	Flux [lm]
1	161
2	291
3	389
5	607

**ROAD – (RO)** symmetrical light distribution in all directions, ensuring adequate illumination on a large area



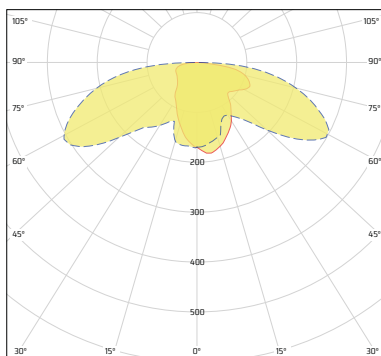
Power [W]	Flux [lm]
1	190
2	368
3	404
5	638

**ROAD PLUS – (RP)** light distribution mainly along the escape route with a long range



Power [W]	Flux [lm]
1	200
2	376
3	427
5	587

**SIDE – (SD)** light distribution directed to one side, for wall mounting, spot illuminating



Power [W]	Flux [lm]
1	195
2	372
3	424
5	581

cd/klm

- C0 – C180
- C90 – C270

## ORDERING

SUNON RND / SUNON SQR 0000 - RP - 3W - AT - 3h - NM - TS - CW - IP54 - 9016

### Variant:

**0000** – base

**0001** – 0000 with extended warranty

### Optics:

**AR** – area

**AP** – area plus

**RO** – road

**RP** – road plus

**SD** – side

### Light source supply power:

**1W** – LED module powered by 1W

**2W** – LED module powered by 2W

**3W** – LED module powered by 3W

**5W** – LED module powered by 5W

### System variant:

**ST** – standard – manual tests, built-in battery

**AT** – autotest – automatic tests, built-in battery

**CT** – centraltest – automatic tests requested by the control unit, built-in battery

**CTBT** – centraltest with Bluetooth communication module

**CTRF** – centraltest with RF radio communication module

**CTW** – centraltest with RF and Bluetooth radio communication

**CB** – centrally supplied luminaire

**CBAM** – centrally supplied luminaire, with address module

**LVAM** – luminaire powered centrally with 24V DC, with address module

### Emergency operation time:

**1h** – 60 minutes

**3h** – 180 minutes

**8h** – 480 minutes (1 and 2W only)

**X** – not applicable (CB, CBAM, LVAM)

### Operation mode:

**NM** – non-maintained

**SM** – switched maintained

**X** – not applicable (CB, CBAM, LVAM)

### Operating temperature range of luminaire:

**TS** – standard

**TE** – extended (does not apply to 2W+8h execution)

### Correlated Color Temperature:

**CW** – 5200–5700K

**NW** – 3700–4200K

**WW** – 2700–3300K

### Protection class::

**IP54** – IP54

### Housing colour:

**9016** –  RAL 9016

**7042** –  RAL 7042

**7016** –  RAL 7016

**9005** –  RAL 9005

... – other on special order