Sensor-switched indoor light - Professional Line

RS PRO R20 basic SC

warm white EAN 4007841 067854 Article number 067854







36 years (Ø 4,5h / day)



•

3000 K



high frequence sensor 360°



max. 10 m



TP//



2000 1....



10 - 100% basic brightness

sec - 30 min



10 - 100% ma light brightne

Function description

Digital. Ingenious. Wirelessly adjustable via app, the digital RS PRO R20 basic SC sensor-switched light makes connected lighting incredibly easy. Easily started up, interconnected and adjusted in any chosen way via app, it comes with 3 lighting functions: basic light level, dimmable main light and emergency light. High-precision HF sensor (10 m reach). The opal diffuser bonnet ensures even light distribution. 15,3 W, 1823 lm. 3000 K, 350 x 55 mm. Emergency lighting operation is alternatively possible via connection to central battery systems.

Sensor-switched indoor light - Professional Line

RS PRO R20 basic SC

warm white EAN 4007841 067854 Article number 067854



Technical specifications

Dimensions (Ø x H)	350 x 55 mm
Mains power supply	220 – 240 V / 50 – 60 Hz
Sensor Technology	High frequency
Transmitter power	
HF-system	5,8 GHz
Output	15,3 W
Power consumption	0,5 W
Interconnection	Yes
Type of interconnection	Master/master
Interconnection via	Bluetooth
Slave modeselectable	Yes
Lichtstrom Gesamtprodukt	1823 lm
Stroboskop-Effekt (SVM)	0,2 SVM
Gesamtprodukt Effizienz	119 lm/W
Colour temperature	3000 K
Colour variation LED	SDCM3
Colour Rendering Index	80-89
With lamp	Yes, STEINEL LED system
Lamp	LED cannot be replaced
LED life expectancy (max. °C)	50000 h
LED life expectancy (25 °C)	> 60000 h
Drop in luminous flux in accordance with LM80	L80B50
Base	without
LED cooling system	Passive Thermo Control
With motion detector	Yes
Detection	also through glass, wood and stud walls
Detection angle	360 °
Angle of aperture	160 °
Capability of masking out individual segments	Yes

Mechanical scalability No Reach, radial Ø 10 m (79 m²) Reach, tangential Ø 10 m (79 m²) Continuous light selectable Photo-cell controller Yes Twilight setting 2 - 2000 lx Time setting 5 s - 60 Min. Basic light level function Yes Basic light level function time 1-60 min Main light adjustable 0 - 100 % Group parameterisation, Manual ON / ON-0FF, Neighbouring group function, Presence function, Orientation light, Motions sensor, Light sensor, Encrypted communication light, Motions sensor, Light sensor, Encrypted communication, Free selection of the light value in a luminaire group, Adjustable fade time when switching on and off Soft light start Yes Impact resistance IK07 IP-rating IP40 Protection class II Ambient temperature -20 - 40 °C Housing material Plastic Cover material PC, opal Manufacturer's Warranty 5 years Settings via Bluetooth With remote control No Installation site wall, ceiling Version warm white	Electronic scalability	Yes
Reach, tangential Ø 10 m (79 m²) Continuous light selectable Photo-cell controller Yes Twilight setting 2 – 2000 lx Time setting 5 s – 60 Min. Basic light level function Yes Basic light level function, detail LED effect light Basic light level function time 1-60 min Main light adjustable 0 - 100 % Group parameterisation, Manual ON / ON-OFF, Neighbouring group function, Presence function, Orientation light, Motions sensor, Light sensor, Encrypted communication, Free selection of the light value in a luminaire group, Adjustable fade time when switching on and off Soft light start Yes Impact resistance IK07 IP-rating IP40 Protection class II Ambient temperature -20 – 40 °C Housing material Plastic Cover material PC, opal Manufacturer's Warranty 5 years Settings via Bluetooth With remote control No Installation site wall, ceiling Version warm white Total harmonic distortion (THD) 11,9 Power factor 0,91 Photobiological safety in accordance with EN 62471	Mechanical scalability	No
Continuous light selectable Photo-cell controller Yes Twilight setting 2 - 2000 lx Time setting 5 s - 60 Min. Basic light level function Yes Basic light level function, detail LED effect light Basic light level function time 1-60 min Main light adjustable 0 - 100 % Group parameterisation, Manual ON / ON-OFF, Neighbouring group function, Presence function, Orientation light, Motions sensor, Light sensor, Encrypted communication, Free selection of the light value in a luminaire group, Adjustable fade time when switching on and off Soft light start Yes Impact resistance IK07 IP-rating IP40 Protection class II Ambient temperature -20 - 40 °C Housing material Plastic Cover material PC, opal Manufacturer's Warranty 5 years Settings via Bluetooth With remote control No Installation site wall, ceiling Version warm white Total harmonic distortion (THD) 11,9 Power factor 0,91 Photobiological safety in accordance with EN 62471	Reach, radial	Ø 10 m (79 m²)
Photo-cell controller Yes Twilight setting 2 - 2000 lx Time setting 5 s - 60 Min. Basic light level function Yes Basic light level function, detail LED effect light Basic light level function time 1-60 min Main light adjustable 0 - 100 % Group parameterisation, Manual ON / ON-OFF, Neighbouring group function, Presence function, Orientation light, Motions sensor, Light sensor, Encrypted communication, Free selection of the light value in a luminaire group, Adjustable fade time when switching on and off Soft light start Yes Impact resistance IK07 IP-rating IP40 Protection class II Ambient temperature -20 - 40 °C Housing material Plastic Cover material PC, opal Manufacturer's Warranty 5 years Settings via Bluetooth With remote control No Installation site wall, ceiling Version warm white Total harmonic distortion (THD) 11,9 Power factor 0,91 Photobiological safety in accordance with EN 62471 RG1 <td>Reach, tangential</td> <td>Ø 10 m (79 m²)</td>	Reach, tangential	Ø 10 m (79 m²)
Twitight setting 2 – 2000 lx Time setting 5 s – 60 Min. Basic light level function Yes Basic light level function, detail LED effect light Basic light level function time 1-60 min Main light adjustable 0 - 100 % Group parameterisation, Manual ON / ON-OFF, Neighbouring group function, Orientation light, Motions sensor, Light sensor, Encrypted communication, Free selection of the light value in a luminaire group, Adjustable fade time when switching on and off Soft light start Yes Impact resistance IK07 IP-rating IP40 Protection class II Ambient temperature -20 – 40 °C Housing material Plastic Cover material PC, opal Manufacturer's Warranty 5 years Settings via Bluetooth With remote control No Installation site wall, ceiling Version warm white Total harmonic distortion (THD) 11,9 Power factor 0,91 Photobiological safety in accordance with EN 62471	Continuous light	selectable
Time setting 5 s - 60 Min. Basic light level function Yes Basic light level function, detail LED effect light Basic light level function time 1-60 min Main light adjustable 0 - 100 % Group parameterisation, Manual ON / ON-0FF, Neighbouring group function, Presence function, Orientation light, Motions sensor, Light sensor, Encrypted communication, Free selection of the light value in a luminaire group, Adjustable fade time when switching on and off Soft light start Yes Impact resistance IK07 IP-rating IP40 Protection class II Ambient temperature -20 - 40 °C Housing material Plastic Cover material PC, opal Manufacturer's Warranty 5 years Settings via Bluetooth With remote control No Installation site wall, ceiling Version warm white Total harmonic distortion (THD) 11,9 Power factor 0,91 Photobiological safety in accordance with EN 62471	Photo-cell controller	Yes
Basic light level function Yes Basic light level function, detail LED effect light Basic light level function time 1-60 min Main light adjustable 0 - 100 % Group parameterisation, Manual ON / ON-OFF, Neighbouring group function, Presence function, Orientation light, Motions sensor, Light sensor, Encrypted communication, Free selection of the light value in a luminaire group, Adjustable fade time when switching on and off Soft light start Yes Impact resistance IK07 IP-rating IP40 Protection class II Ambient temperature -20 - 40 °C Housing material Plastic Cover material PC, opal Manufacturer's Warranty 5 years Settings via Bluetooth With remote control No Installation site wall, ceiling Version warm white Total harmonic distortion (THD) 11,9 Power factor 0,91 Photobiological safety in accordance with EN 62471	Twilight setting	2 – 2000 lx
Basic light level function, detail Basic light level function time Total harmonic distortion (THD) Basic light level function time LED effect light LED effect light LED effect light LED effect light 1-60 min 1-60 min	Time setting	5 s - 60 Min.
Basic light level function time Main light adjustable O - 100 % Group parameterisation, Manual ON / ON-OFF, Neighbouring group function, Presence function, Orientation light, Motions sensor, Light sensor, Encrypted communication, Free selection of the light value in a luminaire group, Adjustable fade time when switching on and off Soft light start Yes Impact resistance IK07 IP-rating IP40 Protection class II Ambient temperature -20 - 40 °C Housing material Plastic Cover material PC, opal Manufacturer's Warranty 5 years Settings via Bluetooth With remote control No Installation site Wall, ceiling Version warm white Total harmonic distortion (THD) Power factor 0,91 Photobiological safety in accordance with EN 62471	Basic light level function	Yes
Main light adjustable O - 100 % Group parameterisation, Manual ON / ON-OFF, Neighbouring group function, Presence function, Orientation light, Motions sensor, Light sensor, Encrypted communication, Free selection of the light value in a luminaire group, Adjustable fade time when switching on and off Soft light start Yes Impact resistance IK07 IP-rating IP40 Protection class II Ambient temperature -20 - 40 °C Housing material Plastic Cover material PC, opal Manufacturer's Warranty 5 years Settings via Bluetooth With remote control No Installation site Wall, ceiling Version warm white Total harmonic distortion (THD) Power factor 0,91 Photobiological safety in accordance with EN 62471	Basic light level function, detail	LED effect light
Group parameterisation, Manual ON / ON-OFF, Neighbouring group function, Presence function, Orientation light, Motions sensor, Light sensor, Encrypted communication, Free selection of the light value in a luminaire group, Adjustable fade time when switching on and off Soft light start Yes Impact resistance IK07 IP-rating IP40 Protection class II Ambient temperature -20 - 40 °C Housing material Plastic Cover material PC, opal Manufacturer's Warranty 5 years Settings via Bluetooth With remote control No Installation site wall, ceiling Version warm white Total harmonic distortion (THD) 11,9 Power factor 0,91 Photobiological safety in accordance with EN 62471	Basic light level function time	1-60 min
ON-OFF, Neighbouring group function, Presence function, Orientation light, Motions sensor, Light sensor, Encrypted communication, Free selection of the light value in a luminaire group, Adjustable fade time when switching on and off Soft light start Yes Impact resistance IK07 IP-rating IP40 Protection class II Ambient temperature -20 - 40 °C Housing material Plastic Cover material PC, opal Manufacturer's Warranty 5 years Settings via Bluetooth With remote control No Installation site wall, ceiling Version warm white Total harmonic distortion (THD) 11,9 Power factor 0,91 Photobiological safety in accordance with EN 62471	Main light adjustable	0 - 100 %
Impact resistance IK07 IP-rating IP40 Protection class II Ambient temperature -20 - 40 °C Housing material Plastic Cover material PC, opal Manufacturer's Warranty 5 years Settings via Bluetooth With remote control No Installation site wall, ceiling Version warm white Total harmonic distortion (THD) 11,9 Power factor 0,91 Photobiological safety in accordance with EN 62471	Functions	function, Presence function, Orientation light, Motions sensor, Light sensor, Encrypted communication, Free selection of the light value in a luminaire group, Adjustable fade time when switching
IP-rating IP40 Protection class II Ambient temperature -20 - 40 °C Housing material Plastic Cover material PC, opal Manufacturer's Warranty 5 years Settings via Bluetooth With remote control No Installation site wall, ceiling Version warm white Total harmonic distortion (THD) 11,9 Power factor 0,91 Photobiological safety in accordance with EN 62471	Soft light start	Yes
Protection class II Ambient temperature -20 - 40 °C Housing material Plastic Cover material PC, opal Manufacturer's Warranty 5 years Settings via Bluetooth With remote control No Installation site wall, ceiling Version warm white Total harmonic distortion (THD) 11,9 Power factor 0,91 Photobiological safety in accordance with EN 62471	Impact resistance	IK07
Ambient temperature -20 - 40 °C Housing material Plastic Cover material PC, opal Manufacturer's Warranty 5 years Settings via Bluetooth With remote control No Installation site wall, ceiling Version warm white Total harmonic distortion (THD) 11,9 Power factor 0,91 Photobiological safety in accordance with EN 62471	IP-rating	IP40
Housing material Plastic Cover material PC, opal Manufacturer's Warranty 5 years Settings via Bluetooth With remote control No Installation site wall, ceiling Version warm white Total harmonic distortion (THD) 11,9 Power factor 0,91 Photobiological safety in accordance with EN 62471	Protection class	II
Cover material PC, opal Manufacturer's Warranty 5 years Settings via Bluetooth With remote control No Installation site wall, ceiling Version warm white Total harmonic distortion (THD) 11,9 Power factor 0,91 Photobiological safety in accordance with EN 62471	Ambient temperature	-20 – 40 °C
Manufacturer's Warranty 5 years Settings via Bluetooth With remote control No Installation site wall, ceiling Version warm white Total harmonic distortion (THD) 11,9 Power factor 0,91 Photobiological safety in accordance with EN 62471	Housing material	Plastic
Settings via Bluetooth With remote control No Installation site wall, ceiling Version warm white Total harmonic distortion (THD) 11,9 Power factor 0,91 Photobiological safety in accordance with EN 62471	Cover material	PC, opal
With remote control No Installation site wall, ceiling Version warm white Total harmonic distortion (THD) 11,9 Power factor 0,91 Photobiological safety in accordance with EN 62471 RG1	Manufacturer's Warranty	5 years
Installation site wall, ceiling Version warm white Total harmonic distortion (THD) 11,9 Power factor 0,91 Photobiological safety in accordance with EN 62471 RG1	Settings via	Bluetooth
Version warm white Total harmonic distortion (THD) 11,9 Power factor 0,91 Photobiological safety in accordance with EN 62471 RG1	With remote control	No
Total harmonic distortion (THD) 11,9 Power factor 0,91 Photobiological safety in accordance with EN 62471 RG1	Installation site	wall, ceiling
Power factor 0,91 Photobiological safety in accordance with EN 62471 RG1	Version	warm white
Photobiological safety in accordance RG1	Total harmonic distortion (THD)	11,9
with EN 62471	Power factor	0,91
PU1, EAN 4007841067854		RG1
	PU1, EAN	4007841067854

Accessories

EAN 4007841 064143 R-series emergency light module

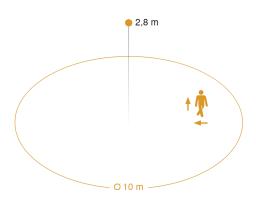
Sensor-switched indoor light - Professional Line

RS PRO R20 basic SC

warm white EAN 4007841 067854 Article number 067854

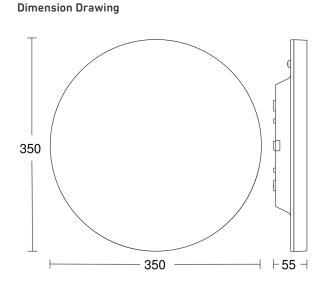


Detection Zone

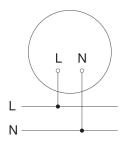


Mögliche Montagehöhe: 2,00 m - 4,00 m

Orange: radial und tangential



Slave/wireless master interconnection circuit diagram



Master/master interconnection circuit diagram

