

# RS PRO R20 basic Q SC Neutral white

SENSOR-SWITCHED LED INDOOR LIGHT

**neva**  
**lux**

EAN 4007841067830

300 x 300 x 52 mm



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Technical Data

| IDENTIFICATION             |                                          |  |
|----------------------------|------------------------------------------|--|
| PU1 EAN                    | 4007841067830                            |  |
| Material number            | 110075563                                |  |
| SAP designation            | LED INNENLEUCHTE RS PRO R20Q BASIC SC NW |  |
| Product name data sheet    | RS PRO R20 basic Q SC Neutral white      |  |
| Product category           | Sensor-switched LED indoor light         |  |
| Discount group             | DL                                       |  |
| Source                     | Steinel Excel                            |  |
| Product status             | Normal                                   |  |
| Manufacturer               | Steinel                                  |  |
| DIMENSIONS                 |                                          |  |
| Dimensions L x W x H       | 300 x 300 x 52 mm                        |  |
| PU1 net weight             | 1.292                                    |  |
| ELECTRICAL                 |                                          |  |
| Mains connection           | 220 – 240 V / 50 – 60 Hz                 |  |
| Power                      | 15,3 W                                   |  |
| Own consumption            | 0,3 W                                    |  |
| B10 fuse (pcs)             | 46                                       |  |
| B16 fuse (pcs)             | 74                                       |  |
| C10 fuse (pcs)             | 77                                       |  |
| C16 fuse (pcs)             | 122                                      |  |
| Maximum inrush current     | 13 A                                     |  |
| SENSOR TECHNOLOGY          |                                          |  |
| Max. mounting height       | 4,00 m                                   |  |
| Sensor technology          | High frequency                           |  |
| Transmission power         | < 1 mW                                   |  |
| HF technology              | 5,8 GHz                                  |  |
| With motion detector       | Yes                                      |  |
| Detection                  | also through glass, wood and stud walls  |  |
| Detection angle            | 360 °                                    |  |
| Opening angle              | 160 °                                    |  |
| Segment-by-segment masking | Yes                                      |  |
| Electronic scalability     | Yes                                      |  |
| Mechanical scalability     | No                                       |  |
| Radial range               | Ø 10 m (79 m²)                           |  |
| Tangential range           | Ø 10 m (79 m²)                           |  |

| Mounting height                     | 2,00 – 4,00 m           |
|-------------------------------------|-------------------------|
| Optimal mounting height             | 2,8 m                   |
| Nevalux sensor technology           | BT SIG Mesh             |
| CONNECTIVITY                        |                         |
| Networking                          | Yes                     |
| Type of networking                  | Master/master           |
| Networking via                      | Bluetooth Mesh          |
| Slave mode adjustable               | Yes                     |
| LIGHTING TECHNOLOGY                 |                         |
| Measured luminous flux 360°         | 1970 lm                 |
| Colour temperature                  | 4000 K                  |
| LED colour deviation                | SDCM3                   |
| With illuminant                     | Yes, STEINEL LED system |
| Illuminant                          | LED cannot be replaced  |
| Base                                | without                 |
| LED cooling system                  | Passive Thermo Control  |
| Soft light start                    | Yes                     |
| Continuous light                    | selectable              |
| Photobiological safety per EN 62471 | RG1                     |
| LIFETIME                            |                         |
| LED lifetime max. °C                | 50000 h                 |
| LED lifetime L70B50 25°C            | > 60000 h               |
| Luminous flux decline per LM80      | L80B50                  |
| LED lifetime per IEC 62717 L70      | 100000                  |
| LED lifetime per IEC 62717 L80      | 73000                   |
| LED lifetime per IES TM-21 L70      | 60000                   |
| LED lifetime per IES TM-21 L80      | 60000                   |
| SETTINGS                            |                         |
| Twilight switch                     | Yes                     |
| Twilight setting                    | 2 – 2000 lx             |
| Time setting                        | 5 s – 60 Min.           |
| Base light function                 | Yes                     |
| Base light function detail          | LED effect light        |
| Base light function time            | 1-60 min                |

| Main light adjustable            | 0 - 100 %                                                                                                                                                                                                                                                                                                                                             |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Functions                        | Group parameterisation<br>Manual ON / ON-OFF<br>Neighbouring group function<br>Orientation light Motions sensor<br>Light sensor<br>Encrypted communication<br>Free selection of the light value in a luminaire group<br>Adjustable fade time when switching on and off<br>Master/slave override<br>Presence function Constant-lighting control ON-OFF |
| Settings via                     | Bluetooth                                                                                                                                                                                                                                                                                                                                             |
| With remote control              | No                                                                                                                                                                                                                                                                                                                                                    |
| Twilight setting teach           | Yes                                                                                                                                                                                                                                                                                                                                                   |
| Base light function in percent   | 0 – 100 %                                                                                                                                                                                                                                                                                                                                             |
| Base light function percent from | 0                                                                                                                                                                                                                                                                                                                                                     |
| Base light function percent to   | 100                                                                                                                                                                                                                                                                                                                                                   |
| HOUSING & MATERIAL               |                                                                                                                                                                                                                                                                                                                                                       |
| Impact resistance                | IK07                                                                                                                                                                                                                                                                                                                                                  |
| Protection class (IP)            | IP40                                                                                                                                                                                                                                                                                                                                                  |
| Protection class                 | II                                                                                                                                                                                                                                                                                                                                                    |
| Ambient temperature              | from -20 up to 40 °C                                                                                                                                                                                                                                                                                                                                  |
| Housing material                 | Plastic                                                                                                                                                                                                                                                                                                                                               |
| Cover material                   | PC, opal                                                                                                                                                                                                                                                                                                                                              |
| Mounting location                | wall ceiling                                                                                                                                                                                                                                                                                                                                          |
| Application location             | Indoors                                                                                                                                                                                                                                                                                                                                               |
| Mounting type                    | Surface wiring                                                                                                                                                                                                                                                                                                                                        |
| Material                         | Plastic                                                                                                                                                                                                                                                                                                                                               |
| Application room                 | corridor / aisle changing room function room / ancillary room kitchenette stairwell Indoors                                                                                                                                                                                                                                                           |
| Colour                           | white                                                                                                                                                                                                                                                                                                                                                 |
| Protection class ceiling         | IP40                                                                                                                                                                                                                                                                                                                                                  |
| SCOPE OF DELIVERY & WARRANTY     |                                                                                                                                                                                                                                                                                                                                                       |
| Manufacturer warranty            | 5 years                                                                                                                                                                                                                                                                                                                                               |
| House number sheet included      | No                                                                                                                                                                                                                                                                                                                                                    |
| CERTIFICATES & EPREL             |                                                                                                                                                                                                                                                                                                                                                       |
| EPREL category                   | Surrounded product with integrated light source                                                                                                                                                                                                                                                                                                       |

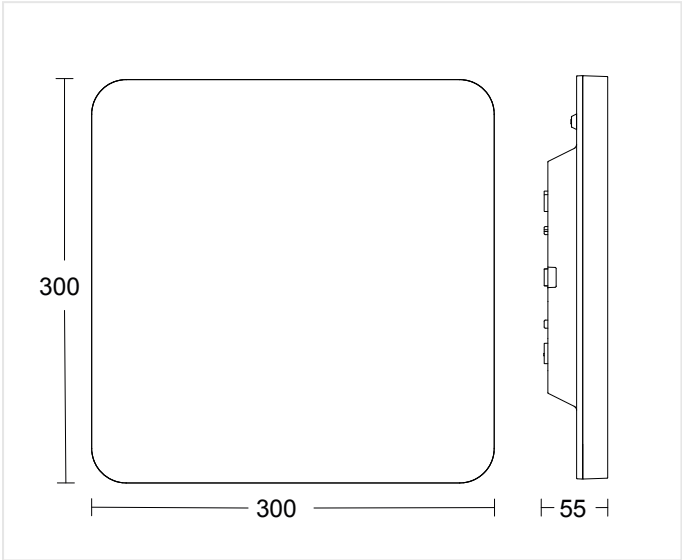
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Illustrations

TECHNICAL DRAWINGS



300 x 300 x 52 mm

MOUNTING HEIGHT

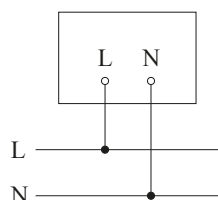
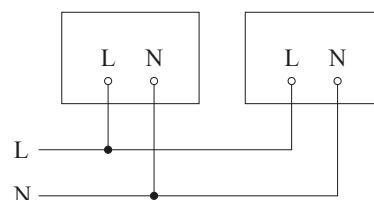
|                          |                  |               |
|--------------------------|------------------|---------------|
| 2,00 – 4,00 m<br>BEREICH | 2,8 m<br>OPTIMAL | 4,00 m<br>MAX |
|--------------------------|------------------|---------------|

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## Wiring Diagrams

**WIRING DIAGRAM 1****WIRING DIAGRAM 2**

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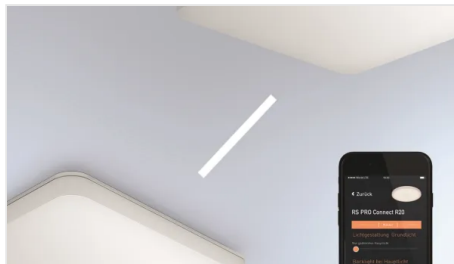
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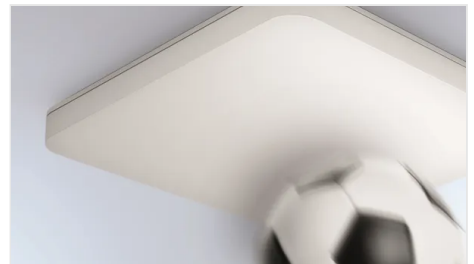
## Highlights



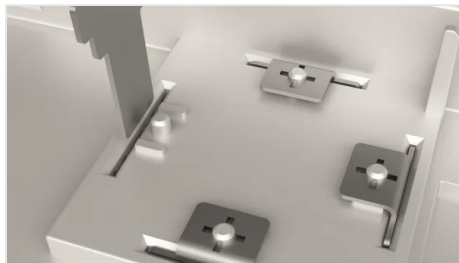
Including STEINEL LED system



Interconnectable and adjustable via Bluetooth



Impact-resistant material rated to IK07



Metal shrouds for defining the direction of sensor detection



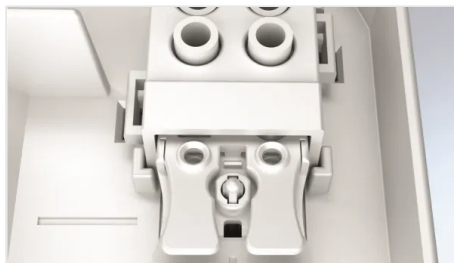
Optional basic lighting level 0 - 100 %



Adjustable main light brightness (0 - 100%)



Optional emergency light



Modern plug-in terminals for straightforward installation

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Accessories

| ARTICLE NUMBER                                                                                   | DESCRIPTION                        | CATEGORY          |
|--------------------------------------------------------------------------------------------------|------------------------------------|-------------------|
|  4007841087234   | Adapter R-Serie für Notlichtweiche | Accessory         |
|  4007841064143   | Notlicht-Modul R-Serie             | Accessory         |
|  4007841084653   | Funktaster PB2-Bluetooth           | System components |
|  4007841084660  | Funktaster PB4-Bluetooth           | System components |
|  221386        | Universal P-Set 3S                 | Suspension cable  |
|  4007841067335 | Relais REL5A-Bluetooth             | System components |
|  4007841067342 | Tasterkoppler PC4-Bluetooth        | System components |
|  4007841064914 | Ersatzakku für Notlicht R-Serie    | Spare Part        |

ORDERING INFORMATION

Art.-Nr.

067830

EAN

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Typ

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