

# RS PRO R20 plus SC Multipack (5 pcs.) Neutral white

**neva**  
**lux****SENSOR-SWITCHED LED INDOOR LIGHT**

EAN 4007841084714

350 x 55 mm



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Technical Data

| IDENTIFICATION             |                                                     |                                     |  |                                                                                                                                                                                                                                                                                                                           |  |
|----------------------------|-----------------------------------------------------|-------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| PU1 EAN                    | 4007841084714                                       |                                     |  |                                                                                                                                                                                                                                                                                                                           |  |
| Material number            | 110088306                                           |                                     |  |                                                                                                                                                                                                                                                                                                                           |  |
| SAP designation            | INNENLEUCHTE RS PRO R20 PLUS SC NW MP5              |                                     |  |                                                                                                                                                                                                                                                                                                                           |  |
| Product name data sheet    | RS PRO R20 plus SC Multipack (5 pcs.) Neutral white |                                     |  |                                                                                                                                                                                                                                                                                                                           |  |
| Product category           | Sensor-switched LED indoor light                    |                                     |  |                                                                                                                                                                                                                                                                                                                           |  |
| Discount group             | DL                                                  |                                     |  |                                                                                                                                                                                                                                                                                                                           |  |
| Source                     | Steinel Excel                                       |                                     |  |                                                                                                                                                                                                                                                                                                                           |  |
| Product status             | Normal                                              |                                     |  |                                                                                                                                                                                                                                                                                                                           |  |
| Manufacturer               | Steinel                                             |                                     |  |                                                                                                                                                                                                                                                                                                                           |  |
| DIMENSIONS                 |                                                     |                                     |  |                                                                                                                                                                                                                                                                                                                           |  |
| Dimensions Ø × H           | 350 x 55 mm                                         |                                     |  |                                                                                                                                                                                                                                                                                                                           |  |
| PU1 net weight             | 6.89                                                |                                     |  |                                                                                                                                                                                                                                                                                                                           |  |
| ELECTRICAL                 |                                                     |                                     |  |                                                                                                                                                                                                                                                                                                                           |  |
| Mains connection           | 220 – 240 V / 50 – 60 Hz                            |                                     |  |                                                                                                                                                                                                                                                                                                                           |  |
| Power                      | 15,86 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 Master/slave                                                                                                                                                                                                                                                                                                |  |
|                            |                                                     | Networking via                      |  | Bluetooth Mesh                                                                                                                                                                                                                                                                                                            |  |
|                            |                                                     | Slave mode adjustable               |  | Yes                                                                                                                                                                                                                                                                                                                       |  |
|                            |                                                     |                                     |  |                                                                                                                                                                                                                                                                                                                           |  |
|                            |                                                     | LIGHTING TECHNOLOGY                 |  |                                                                                                                                                                                                                                                                                                                           |  |
|                            |                                                     | Measured luminous flux 360°         |  | 1976 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      |  | 74000                                                                                                                                                                                                                                                                                                                     |  |
|                            |                                                     | LED lifetime per IES TM-21 L70      |  | 70000                                                                                                                                                                                                                                                                                                                     |  |
|                            |                                                     | LED lifetime per IES TM-21 L80      |  | 70000                                                                                                                                                                                                                                                                                                                     |  |
|                            |                                                     |                                     |  |                                                                                                                                                                                                                                                                                                                           |  |
|                            |                                                     | SETTINGS                            |  |                                                                                                                                                                                                                                                                                                                           |  |
|                            |                                                     | Twilight switch                     |  | Yes                                                                                                                                                                                                                                                                                                                       |  |
|                            |                                                     | Twilight setting                    |  | 2 – 2000 lx                                                                                                                                                                                                                                                                                                               |  |
|                            |                                                     | Time setting                        |  | 5 s – 30 Min.                                                                                                                                                                                                                                                                                                             |  |
|                            |                                                     | Base light function                 |  | Yes                                                                                                                                                                                                                                                                                                                       |  |
|                            |                                                     | Base light function detail          |  | LED Backlight                                                                                                                                                                                                                                                                                                             |  |
|                            |                                                     |                                     |  |                                                                                                                                                                                                                                                                                                                           |  |
|                            |                                                     | 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>Backlight Orientation light<br>Connection to central battery systems<br>Adjustable fade time when switching on and off<br>Free selection of the light value in a luminaire group<br>Encrypted communication<br>Motions sensor Light sensor |  |
|                            |                                                     | 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                                                                                                                                                                                                                                                                           |  |

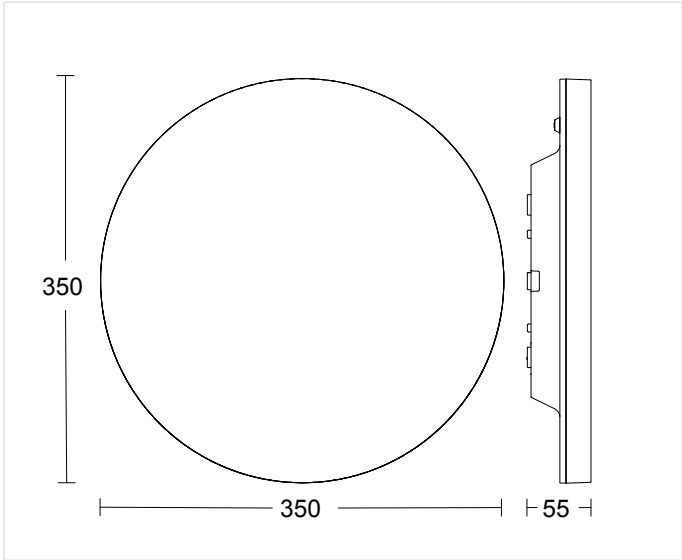
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Illustrations

TECHNICAL DRAWINGS



350 x 55 mm

MOUNTING HEIGHT

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

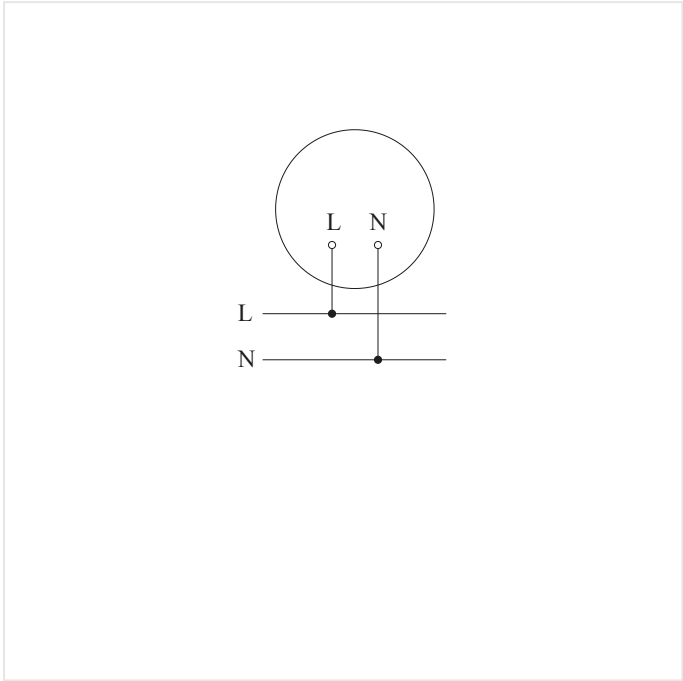
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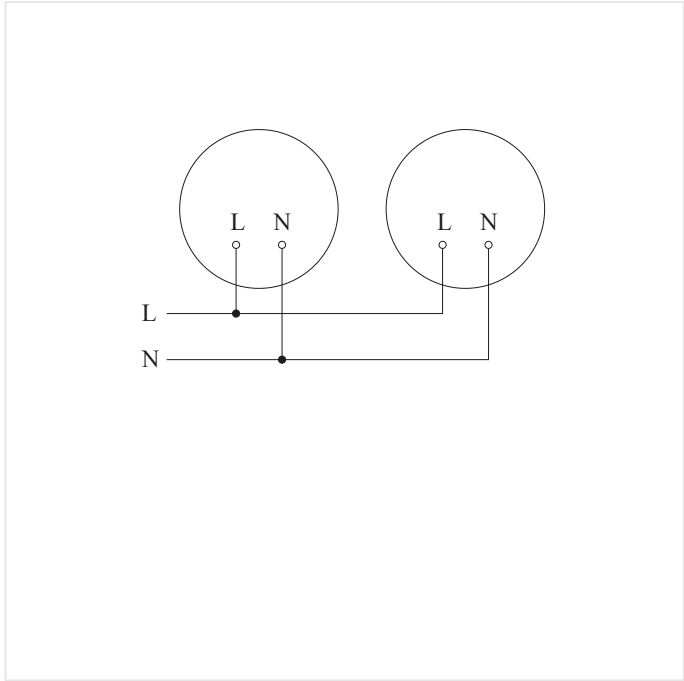
Wiring Diagrams

WIRING DIAGRAM 1



Slave/wireless master interconnection circuit diagram

WIRING DIAGRAM 2



Master/master interconnection circuit diagram

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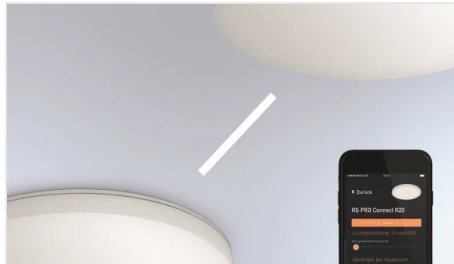
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## Highlights



Including STEINEL LED system



Interconnectable and adjustable via Bluetooth



Impact-resistant material rated to IK07



Backlight function



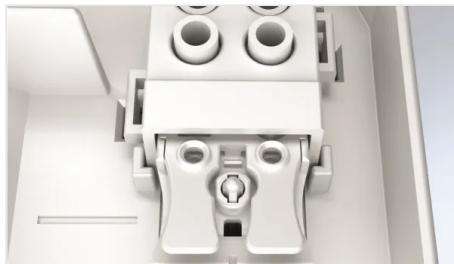
Optional basic lighting level 10 - 50 %



Optional main light brightness 50 - 100%



Optional emergency light



Modern plug-in terminals for straightforward installation

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Accessories

| ARTICLE NUMBER                                                                                   | DESCRIPTION                        | CATEGORY          |
|--------------------------------------------------------------------------------------------------|------------------------------------|-------------------|
|  4007841064143   | Notlicht-Modul R-Serie             | Accessory         |
|  4007841087234   | Adapter R-Serie für Notlichtweiche | 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 |

ORDERING INFORMATION

Art.-Nr.

084714

EAN

4007841084714

Typ

RS PRO R20 plus SC Multipack (5 pcs.) Neutral white

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