## Data sheet



### Indoor light

# **RS 16 LED**

EAN 4007841008383





#### **Functional description**

Technology leap for one of our most popular and cost efficient sensor-switched indoor lights. The latest LED technology, high-frequency sensor and interconnectability launches the RS 16 LED into a new dimension of convenience. With a light output of 940 lm and a consumption of just 9,5 W, this luminaire uses up to 90% less electricity. The sleek design is particularly suitable for corridors, hallways or stairwells. The plastic cover provides an atmospheric light diffusion.

#### **Technical specifications**

Mains power supply         220 – 240 V , 50 / 60 Hz           Sensor Technology         High frequency           Transmitter power         < 1 mW           Output         9,5 W           Sensor         Yes           Type of interconnection         Master/slave           Slave modeselectable         No           Luminous flux         940 Im           Colour temperature         4000 K           Colour temperature         50 CM3           Colour Rendering Index CRI         80-89           Wish lamp         Yes, STEINEL LED system           Lamp         LED cannot be replaced           LED iffe expectancy (max. °C)         50000 h           Drop in luminous flux in accordance with LM80         1.70810           Base         without           LED cooling system         Passive Thermo Control           With motion detector         Yes           Detection angle         360 °           Angle of aperture         160 °           Capability of masking out individual segments         No           Bectorion scalability         No           Mechanical scalability         Yes           Mechanical scalability         Yes           Mechanical scalability         Yes	Dimensions (Ø x H)	255.1 x 88,5 mm	
Transmitter power         <1 mW           Output         9.5 W           Sensor         Yes           Type of interconnection         Master/slave           Slave modeselectable         No           Luminous flux         940 Im           Colour tendering triperature         4000 K           Colour variation LED         SDCM3           Colour Rendering Index CRI         80-89           With lamp         Yes, STEINEL LED system           Lamp         LED cannot be replaced           LED life expectancy (max. °C)         50000 h           Drop in luminous flux in accordance with LM80         L70810           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         No           Electronic scalability         No           Mechanical scalability         No           Photo-cell controller         Yes           Twingth setting         5 s − 15 min           Basic light level function	Mains power supply	220 – 240 V , 50 / 60 Hz	
Output         9,5 W           Sensor         Yes           Type of interconnection         Master/slave           Slave modeselectable         No           Luminous flux         940 Im           Colour temperature         4000 K           Colour variation LED         SDCM3           Colour Rendering Index CRI         80-89           With lamp         Yes, STEINEL LED system           Lamp         LED cannot be replaced           LED life expectancy (max. °C)         50000 h           Drop in luminous flux in accordance with LM80         L70810           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         No           Electronic scalability         Yes           Mechanical scalability         No           Photo-cell controller         Yes           Twillight setting         5 s - 15 min           Basic light level function         No           Soft light start         Yes	Sensor Technology	High frequency	
Sensor         Yes           Type of interconnection         Master/slave           Slave modeselectable         No           Luminous flux         940 Im           Colour temperature         4000 K           Colour variation LED         SDCM3           Colour Rendering Index CRI         80-89           With lamp         Yes, STEINEL LED system           Lamp         LED cannot be replaced           LED life expectancy (max. °C)         50000 h           Drop in luminous flux in accordance with LM80         L70B10           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         No           Mechanical scalability         No           Photo-cell controller         Yes           Twilight setting         5 > -15 min           Basic light level function         No           Soft light start         Yes           Impact resistance         IK00           IP44	Transmitter power	< 1 mW	
Type of interconnection         Master/slave           Slave modeselectable         No           Luminous flux         940 Im           Colour temperature         4000 K           Colour remperature         80-89           Colour Rendering Index CRI         80-89           With lamp         Yes, STEINEL LED system           Lamp         LED cannot be replaced           LED life expectancy (max. °C)         500000 h           Drop in luminous flux in accordance with LM80         L70B10           Base         without           LED cooling system         Passive Thermo Control           With motion detector         Yes           Detection angle         360°           Angle of aperture         160°           Capability of masking out individual segments         No           Electronic scalability         Yes           Mechanical scalability         No           Photo-cell controller         Yes           Time setting         5 s - 15 min           Basic light level function         No           Soft light start         Yes           Impact resistance         IK00           IP 744         IP44           Protection class         II	Output	9,5 W	
Slave modeselectable         No           Luminous flux         940 Im           Colour temperature         4000 K           Colour variation LED         SDCM3           Colour Rendering Index CRI         80-89           With lamp         Yes, STEINEL LED system           Lamp         LED cannot be replaced           LED life expectancy (max. °C)         50000 h           Drop in luminous flux in accordance with LM80         L70B10           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         No           Electronic scalability         Yes           Mechanical scalability         No           Photo-cell controller         Yes           Time setting         5 s - 15 min           Basic light level function         No           Soft light start         Yes           Impact resistance         IK00           IF rating         IP44           Protection class	Sensor	Yes	
Luminous flux         940 Im           Colour temperature         4000 K           Colour variation LED         SDCM3           Colour Rendering Index CRI         80-89           With lamp         Yes, STEINEL LED system           Lamp         LED cannot be replaced           LED life expectancy (max. °C)         50000 h           Drop in luminous flux in accordance with LM80         L70B10           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         180 °           Capability of masking out individual segments         No           Electronic scalability         Yes           Mechanical scalability         No           Photo-cell controller         Yes           Time setting         2 - 2000 lk           Time setting         5 s - 15 min           Basic light level function         No           Soft light start         Yes           Impact resistance         IK00           IP 744         IP 44           Protection class	Type of interconnection	Master/slave	
Colour temperature         4000 K           Colour variation LED         SDCM3           Colour Rendering Index CRI         80-89           With lamp         Yes, STEINEL LED system           Lamp         LED cannot be replaced           LED life expectancy (max. °C)         50000 h           Drop in luminous flux in accordance with LM80         L70B10           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         No           Electronic scalability         Yes           Mechanical scalability         No           Photo-cell controller         Yes           Twilight setting         2 - 2000 lx           Time setting         5 s - 15 min           Basic light level function         No           Soft light start         Yes           Impact resistance         IK00           IP rating         IP44           Protection class         II	Slave modeselectable	No	
Colour variation LED       SDCM3         Colour Rendering Index CRI       80-89         With lamp       Yes, STEINEL LED system         Lamp       LED cannot be replaced         LED life expectancy (max. °C)       50000 h         Drop in luminous flux in accordance with LM80       L70B10         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       No         Electronic scalability       Yes         Mechanical scalability       No         Photo-cell controller       Yes         Twilight setting       2 - 2000 lx         Time setting       5 s - 15 min         Basic light level function       No         Soft light start       Yes         Impact resistance       IK00         IP rating       IP44         Protection class       II	Luminous flux	940 lm	
Colour Rendering Index CRI       80-89         With lamp       Yes, STEINEL LED system         Lamp       LED cannot be replaced         LED life expectancy (max. °C)       50000 h         Drop in luminous flux in accordance with LM80       L70B10         Base       without         LED cooling system       Passive Thermo Control         With motion detector       Yes         Detection angle       360 °         Angle of aperture       160 °         Capability of masking out individual segments       No         Electronic scalability       Yes         Mechanical scalability       No         Photo-cell controller       Yes         Twilight setting       2 - 2000 lx         Time setting       5 s - 15 min         Basic light level function       No         Soft light start       Yes         Impact resistance       IK00         IP rating       IP44         Protection class       II	Colour temperature	4000 K	
With lamp     Yes, STEINEL LED system       Lamp     LED cannot be replaced       LED life expectancy (max. °C)     50000 h       Drop in luminous flux in accordance with LM80     L70B10       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     No       Electronic scalability     Yes       Mechanical scalability     No       Photo-cell controller     Yes       Twilight setting     2 - 2000 lx       Time setting     5 s - 15 min       Basic light level function     No       Soft light start     Yes       Impact resistance     IK00       IP rating     IP44       Protection class     II	Colour variation LED	SDCM3	
Lamp       LED cannot be replaced         LED life expectancy (max. °C)       50000 h         Drop in luminous flux in accordance with LM80       L70B10         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       No         Electronic scalability       Yes         Mechanical scalability       No         Photo-cell controller       Yes         Twilight setting       2 - 2000 lx         Time setting       5 s - 15 min         Basic light level function       No         Soft light start       Yes         Impact resistance       IK00         IP rating       IP44         Protection class       II	Colour Rendering Index CRI	80-89	
LED life expectancy (max. °C)     50000 h       Drop in luminous flux in accordance with LM80     L70B10       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     No       Electronic scalability     Yes       Mechanical scalability     No       Photo-cell controller     Yes       Twilight setting     2 - 2000 lx       Time setting     5 s - 15 min       Basic light level function     No       Soft light start     Yes       Impact resistance     IK00       IP rating     IP44       Protection class     II	With lamp	Yes, STEINEL LED system	
Drop in luminous flux in accordance with LM80     L70B10       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     No       Electronic scalability     Yes       Mechanical scalability     No       Photo-cell controller     Yes       Twilight setting     2 - 2000 lx       Time setting     5 s - 15 min       Basic light level function     No       Soft light start     Yes       Impact resistance     IK00       IP rating     IP44       Protection class     II	Lamp	LED cannot be replaced	
BasewithoutLED cooling systemPassive Thermo ControlWith motion detectorYesDetectionalso through glass, wood and stud wallsDetection angle360 °Angle of aperture160 °Capability of masking out individual segmentsNoElectronic scalabilityYesMechanical scalabilityNoPhoto-cell controllerYesTwilight setting2 - 2000 lxTime setting5 s - 15 minBasic light level functionNoSoft light startYesImpact resistanceIK00IP ratingIP44Protection classII	LED life expectancy (max. °C)	50000 h	
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  No  Electronic scalability  Yes  Mechanical scalability  No  Photo-cell controller  Yes  Twilight setting  2 - 2000 lx  Time setting  5 s - 15 min  Basic light level function  No  Soft light start  Yes  Impact resistance  IK00  IP rating  IP44  Protection class	Drop in luminous flux in accordance with LM80	L70B10	
With motion detectorYesDetectionalso through glass, wood and stud wallsDetection angle360°Angle of aperture160°Capability of masking out individual segmentsNoElectronic scalabilityYesMechanical scalabilityNoPhoto-cell controllerYesTwilight setting2 - 2000 lxTime setting5 s - 15 minBasic light level functionNoSoft light startYesImpact resistanceIK00IP ratingIP44Protection classII	Base	without	
Detectionalso through glass, wood and stud wallsDetection angle360 °Angle of aperture160 °Capability of masking out individual segmentsNoElectronic scalabilityYesMechanical scalabilityNoPhoto-cell controllerYesTwilight setting2 - 2000 lxTime setting5 s - 15 minBasic light level functionNoSoft light startYesImpact resistanceIK00IP ratingIP44Protection classII	LED cooling system	Passive Thermo Control	
Detection angle 360 ° Angle of aperture 160 ° Capability of masking out individual segments No Electronic scalability Yes Mechanical scalability No Photo-cell controller Yes Twilight setting 2 - 2000 lx Time setting 5 s - 15 min Basic light level function No Soft light start Yes Impact resistance IK00 IP rating IP44 Protection class	With motion detector	Yes	
Angle of aperture 160 ° Capability of masking out individual segments No Electronic scalability Yes Mechanical scalability No Photo-cell controller Yes Twilight setting 2 - 2000 lx Time setting 5 s - 15 min Basic light level function No Soft light start Yes Impact resistance IK00 IP rating IP44 Protection class II	Detection	also through glass, wood and stud walls	
Capability of masking out individual segments  No  Electronic scalability  Yes  Mechanical scalability  No  Photo-cell controller  Yes  Twilight setting  2 - 2000 lx  Time setting  5 s - 15 min  Basic light level function  No  Soft light start  Yes  Impact resistance  IK00  IP rating  IP 144  Protection class  II	Detection angle	360 °	
Electronic scalabilityYesMechanical scalabilityNoPhoto-cell controllerYesTwilight setting2 - 2000  xTime setting5 s - 15 minBasic light level functionNoSoft light startYesImpact resistanceIK00IP ratingIP44Protection classII	Angle of aperture	160 °	
Mechanical scalability Photo-cell controller Yes  Twilight setting 2 - 2000  x  Time setting 5 s - 15 min  Basic light level function No  Soft light start Yes  Impact resistance IK00  IP rating IP44  Protection class II	Capability of masking out individual segments	No	
Photo-cell controllerYesTwilight setting $2-2000  \text{lx}$ Time setting $5  \text{s} - 15  \text{min}$ Basic light level functionNoSoft light startYesImpact resistanceIK00IP ratingIP44Protection classII	Electronic scalability	Yes	
Twilight setting         2 - 2000 lx           Time setting         5 s - 15 min           Basic light level function         No           Soft light start         Yes           Impact resistance         IK00           IP rating         IP44           Protection class         II	Mechanical scalability	No	
Time setting         5 s - 15 min           Basic light level function         No           Soft light start         Yes           Impact resistance         IK00           IP rating         IP44           Protection class         II	Photo-cell controller	Yes	
Basic light level function No Soft light start Yes Impact resistance IK00 IP rating IP44 Protection class II	Twilight setting	2 – 2000 lx	
Soft light start  Impact resistance  IK00  IP rating  IP44  Protection class  II	Time setting	5 s – 15 min	
Impact resistance IK00 IP rating IP44 Protection class II	Basic light level function	No	
IP rating IP44 Protection class II	Soft light start	Yes	
Protection class	Impact resistance	IK00	
	IP rating	IP44	
Ambient temperature -10 - 40 °C https://www.steinel.de/	Protection class	II	
	Ambient temperature	-10 – 40 °C	https://www.steinel.de/

## Data sheet



### Indoor light

# RS 16 LED

#### EAN 4007841008383

Housing material	Plastic
Cover material	Plastic, opal
Manufacturer's Warranty	3 years
Settings via	Potentiometers
Version	PMMA