Rittal – The System.

Faster – better – everywhere.

Socket box and
LED system light

Flexibility for every market

POWER OUT

POWER IN

POWER OUT

RITTAL

Socket box –
The plug-in system

A global player

- Socket modules in all standard, country-specific variants
- UL variant for the North American market
- Socket modules can be easily replaced to suit the user market via plug and play

Simple assembly

- Easy to screw securely to the round holes in the enclosure profile
- No loss of space thanks to perfect integration into the profile
- No obstruction when installing and removing the mounting plate
- Supports flexible installation throughout the entire enclosure and on the tubular door frame

Fast connection

- Connection ready to plug in without any wiring work
- Direct integration of the LED system light into the circuit
- Same connection accessories as for LED system light
- Multiple socket boxes can be cascaded with numerous LED system lights

Interior installation

LED system light

### The optimum system solution
for improved flexibility
The socket box turns the LED system light into an all-in-one system, making it possible to easily install additional sockets in six country-specific variants anywhere in the enclosure.

A key advantage of this solution is that the appropriate socket for the end user's particular country can be easily installed via plug and play when the system is delivered. There is no need to replace the LED system light with one that has a suitable socket. All components are ready to plug in and can be installed without manual wiring.
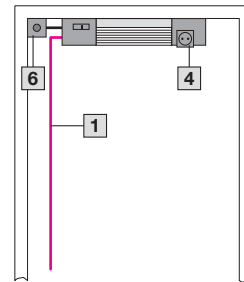
Configuration examples

Free-standing enclosure
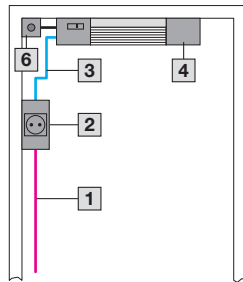LED system light with socket and motion detector
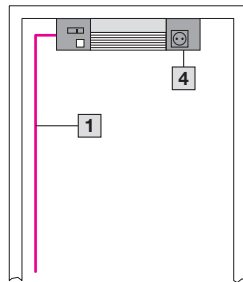
Free-standing enclosure
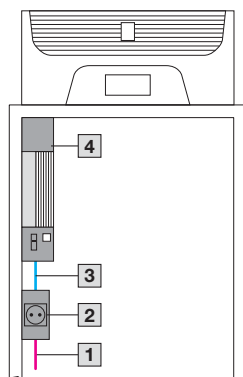LED system light with socket and additional door-operated switch

Free-standing enclosure
LED system light without socket or motion sensor, but with additional door-operated switch and additional socket box

Free-standing enclosure
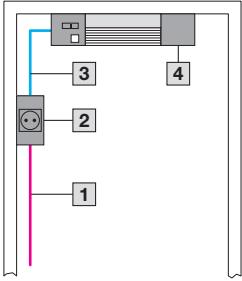LED system light fastened to the side with motion detector and additional socket box

Further technical information available on the Internet.

Rittal Socket box and LED system light

Free-standing enclosure
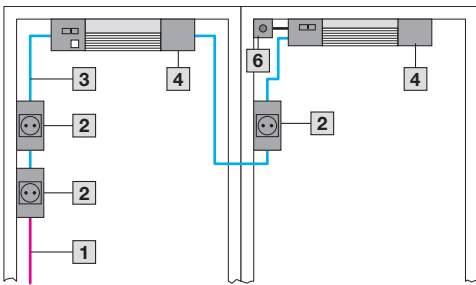LED system light with motion detector and
additional socket box

Bayed enclosure with through-wiring via socket box
Enclosure 1:
LED system light with motion detector and additional socket boxes
Enclosure 2:
LED system light without socket or motion detector,
but with additional door-operated switch and additional socket box

Bayed enclosure with through-wiring via T distributor
Enclosure 1:
LED system light with motion detector and additional socket boxes
Enclosure 2:
LED system light without socket or motion detector,
but with additional door-operated switch and additional socket box
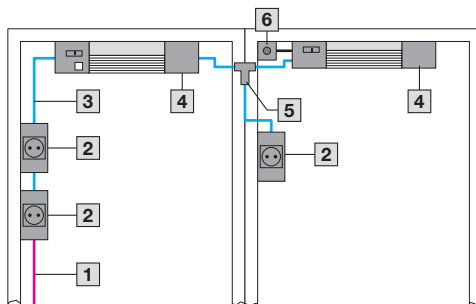
1 Infeed

2 Socket box

3 Through-wiring

4 LED system light (various types)

5 T distributor

6 Door-operated switch with connection cable

Completely UL-compliant construction

The entire system can be constructed in full com-
pliance with UL requirements if UL-approved com-
ponents (infeed, LED system light, through-wiring
and socket box) are used.

Interior installation

LED system light

Socket box

for LED system light

In combination with the LED system light, the socket box creates a flexible modular system for international use.

Benefits:
– Identical connection accessories as for
  LED system light
– Cascadable with LED system light
– Supports flexible installation throughout the entire
  enclosure and on the tubular door frame
– No additional wiring required, thanks to simple
  connection technology and integration of the
  LED system light into the circuit

Material:
– Plastic

Colour:
– RAL 7016

Supply includes:
– Assembly parts

1 Infeed
2 Socket box
3 Through-wiring
4 LED system light
5 T distributor

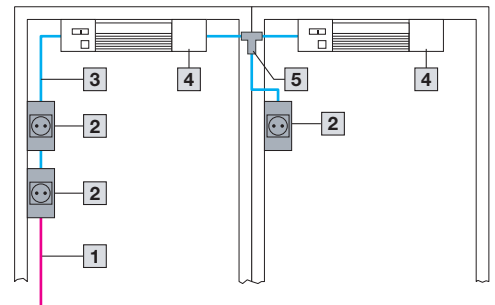| Socket		UL	Packs of	Model No.
	D, earthing-pin	–	1 pc(s).	**2500.710**
	UK	–	1 pc(s).	**2500.711**
	F/B	–	1 pc(s).	**2500.712**
	CH	–	1 pc(s).	**2500.713**
	US	■	1 pc(s).	**2500.714**
	CN	–	1 pc(s).	**2500.715**

! Also required:

– Depending on the application, through-wiring or
  a 3-pole infeed may be required, see page 7

+ Accessories:

– T distributor, see page 7
– Through-wiring, 3-pole, see page 7
– Infeed, 3-pole, see page 7

Further technical information available on the Internet.   Rittal Socket box and LED system light

Connection accessories

for LED system light
The following components can be used for time-saving, easy installation of the lights:
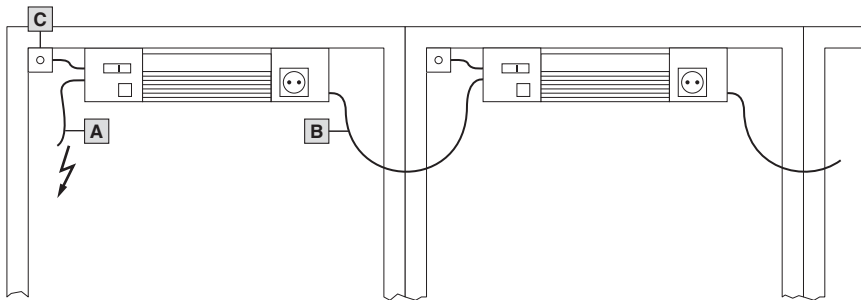
⊞ **Accessories:**

– Cable ties for quick assembly

Connection cable for		ENEC	UL	Length mm	Packs of	Model No.	
						orange	black
1	Infeed, 3-pole, 100 – 240 V AC	■	■	3000	1	**2500.500**	–
	Infeed, 3-pole, 100 – 240 V AC	■	–	3000	5	**2500.400**	–
2	Infeed, 2-pole, 100 – 240 V AC	–	■	3000	1	**2500.520**	–
	Infeed, 2-pole, 100 – 240 V AC	■	–	3000	5	**2500.420**	–
3	Infeed, 2-pole, 24 V DC	■	–	3000	5	–	**2500.410**
	Through-wiring, 3-pole, 100 – 240 V AC	■	■	200	5	**2500.435**	–
4	Through-wiring, 3-pole, 100 – 240 V AC	■	■	1000	1	**2500.530**	–
	Through-wiring, 3-pole, 100 – 240 V AC	■	–	1000	5	**2500.430**	–
5	Through-wiring, 2-pole, 100 – 240 V AC	–	■	3000	1	**2500.550**	–
	Through-wiring, 2-pole, 100 – 240 V AC	■	–	1000	5	**2500.450**	–
6	Through-wiring, 2-pole, 24 V DC	■	–	1000	5	–	**2500.440**

A Connection cable for infeed

B Connection cable for through-wiring

C Door-operated switch with connection cable (not required for LED system light with integral motion sensor)

T distributor

with two sockets and one connector
For creating safe, shock-hazard-protected junctions when wiring LED system lights and socket boxes.

Packs of	Model No.
5 pc(s).	**2500.680**

Connection accessories for self-assembly

for LED system light
For individual wiring with commercially available cables.

Connector/jack

Type	Input voltage	UL	Packs of	Model No.
Jack, 3-pole	100 – 240 V	■	5 pc(s).	**2500.600**
Jack, 2-pole	24 V DC	■	5 pc(s).	**2500.610**
Jack, 2-pole	100 – 240 V	■	5 pc(s).	**2500.620**
Connector, 3-pole	100 – 240 V	■	5 pc(s).	**2500.630**
Connector, 2-pole	24 V DC	■	5 pc(s).	**2500.640**
Connector, 2-pole	100 – 240 V	■	5 pc(s).	**2500.650**
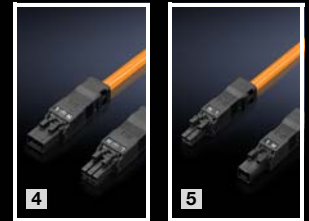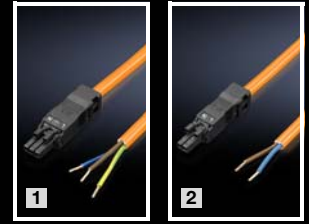
LED system light – Sensationally bright

POWER
OUT

FASTENING
ELEMENT

RITTAL

Optimum illumination

- Innovative LED technology for even more light into the very last corner
- Intelligent lighting, tailored to the geometry of the enclosure, thanks to a special optical cover with Fresnel structure
- Optical cover with two different Fresnel structures
- The cover is easily rotated – to adapt the light distribution to the current installation situation
- Enormous luminous intensity up to 1200 lumens, directed selectively into the enclosure

Simple assembly

- Fast, tool-free assembly thanks to a latching hook system on a 25 mm pitch pattern of holes; simply latch and secure
- Optional screw-fastening also available, or opt for complete flexibility with a magnetic attachment freely positionable inside the enclosure
- May be fitted horizontally and vertically with no loss of space in the enclosure; existing rails and sections can simply be covered
- Lights with motion detectors are equipped with a rotating LED board as standard, allowing the direction of light to be perfectly adapted to any installation situation

Flexible connection

- Rotating connectors support installation in the most confined spaces
- Simple through-wiring based on the plug & play system
- Variants with integral motion detectors eliminate the need for installing separate door-operated switches
- If additionally equipped with a socket, electricity will be available whenever it is needed for maintenance work
- Suitable for immediate, global use with wide-range voltage 100 – 240 V (AC) and 24 V (DC)

New – socket box as a plug-in system

- The alternative to the LED system light with integrated socket
- Easier planning for international projects – same light, but with a country-specific socket
- No additional wiring required, thanks to simple connection technology and integration of the LED system light into the circuit
- Socket modules can be easily replaced to suit the user market via plug and play

LED system light

Benefits:
– Optimum illumination of the entire enclosure
– Optionally with clip, screw or magnetic attachment
– Equipment to suit every application

Material:
– Plastic
– Aluminium

Colour:
– Enclosure: RAL 7016

Protection class:
– II (all-insulated)

Light colour:
– 4000 K (neutral white)

Supply includes:
– Assembly screws

Note:
– Connection accessories should be ordered separately

Model No.		2500.300	2500.310	2500.311	2500.312	2500.313	Page
Output (lumens)		1200	1200	1200	1200	1200	
Length (mm)		437	437	437	437	437	
Motion sensor		■	■	■	■	■	
Rated operating voltage	100 – 240 V AC	■	■	■	■	■	
	24 V DC	–	–	–	–	–	
Equipment	Socket	–	D, earthing-pin	UK	F/B	CH	
	90° rotating connector	■	■	■	■	■	
	Adjustable light direction	■	■	■	■	■	
	Adjustable light distribution	■	■	■	■	■	
Approvals	UL/cUL	■	–	–	–	–	
	CSA	■	–	–	–	–	
	CCC	■	–	–	–	–	
	ENEC	■	■	■	■	■	
Installation type	Screw-fastening	■	■	■	■	■	
	Clip attachment	■	■	■	■	■	
	Magnetic attachment to surfaces (accessory)	■	–	–	–	–	
Connection options	Infeed	3-pole	3-pole	3-pole	3-pole	3-pole	
	Through-wiring	3-pole	3-pole	3-pole	3-pole	3-pole	
	Door-operated switch (accessory)	–	–	–	–	–	
Mounting options[1]	Enclosures with a 25 mm pitch pattern — Screw fastening/clip	Directly on the profile	Directly on the profile	Directly on the profile	Directly on the profile	Directly on the profile	
Accessories							
Rail for interior installation AX		see Internet	see Internet	see Internet	see Internet	see Internet	
Mounting bracket		6205.100	6205.100	6205.100	6205.100	6205.100	
Mounting kit magnet		2500.490	–	–	–	–	14
Door-operated switch		–	–	–	–	–	
Door-operated switch, UL		–	–	–	–	–	
Connection accessories							
Infeed, 2-pole		–	–	–	–	–	
Infeed, 2-pole, UL		–	–	–	–	–	
Infeed, 3-pole		2500.400	2500.400	2500.400	2500.400	2500.400	7
Infeed, 3-pole, UL		2500.500	–	–	–	–	7
Through-wiring, 2-pole		–	–	–	–	–	
Through-wiring, 2-pole, UL		–	–	–	–	–	
Through-wiring, 3-pole		2500.430	2500.430	2500.430	2500.430	2500.430	7
Through-wiring, 3-pole, UL		2500.530	–	–	–	–	7

[1] The internal mounting rail AX and the mounting bracket are required when installing in compact enclosures AX

Model No.		2500.314	2500.320	2500.200	2500.210	2500.211	Page
Output (lumens)		1200	1200	900	900	900	
Length (mm)		437	437	437	437	437	
Motion sensor		■	■	–	–	–	
Rated operating voltage	100 – 240 V AC	100 – 125 V AC	–	■	■	■	
	24 V DC	–	■	–	–	–	
Equipment	Socket	USA / CDN	–	–	D, earthing-pin	GB	
	90° rotating connector	■	■	■	■	■	
	Adjustable light direction	■	■	–	–	–	
	Adjustable light distribution	■	■	■	■	■	
Approvals	UL/cUL	■	■	■	–	–	
	CSA	■	–	■	–	–	
	CCC	–	■	■	–	–	
	ENEC	■	–	■	■	■	
Installation type	Screw-fastening	■	■	■	■	■	
	Clip attachment	■	■	■	■	■	
	Magnetic attachment to surfaces (accessory)	–	■	■	–	–	
Connection options	Infeed	3-pole	2-pole	3-pole	3-pole	3-pole	
	Through-wiring	3-pole	2-pole	3-pole	3-pole	3-pole	
	Door-operated switch (accessory)	–	–	■	■	■	
Mounting options[1]	Enclosures with a 25 mm pitch pattern / Screw fastening/clip	Directly on the profile	Directly on the profile	Directly on the profile	Directly on the profile	Directly on the profile	
Accessories							
Rail for interior installation AX		see Internet	see Internet	see Internet	see Internet	see Internet	
Mounting bracket		6205.100	6205.100	6205.100	6205.100	6205.100	
Mounting kit magnet		–	2500.490	2500.490	–	–	14
Door-operated switch		–	–	2500.460	2500.460	2500.460	14
Door-operated switch, UL		–	–	2500.470	–	–	14
Connection accessories							
Infeed, 2-pole		–	2500.410	–	–	–	7
Infeed, 2-pole, UL		–	–	–	–	–	
Infeed, 3-pole		–	–	2500.400	2500.400	2500.400	7
Infeed, 3-pole, UL		2500.500	–	2500.500	–	–	7
Through-wiring, 2-pole		–	2500.440	–	–	–	7
Through-wiring, 2-pole, UL		–	–	–	–	–	
Through-wiring, 3-pole		–	–	2500.430	2500.430	2500.430	7
Through-wiring, 3-pole, UL		2500.530	–	2500.530	–	–	7
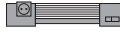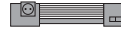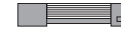
[1] The internal mounting rail AX and the mounting bracket are required when installing in compact enclosures AX

Rittal – The System.

Connection accessories

LED system light

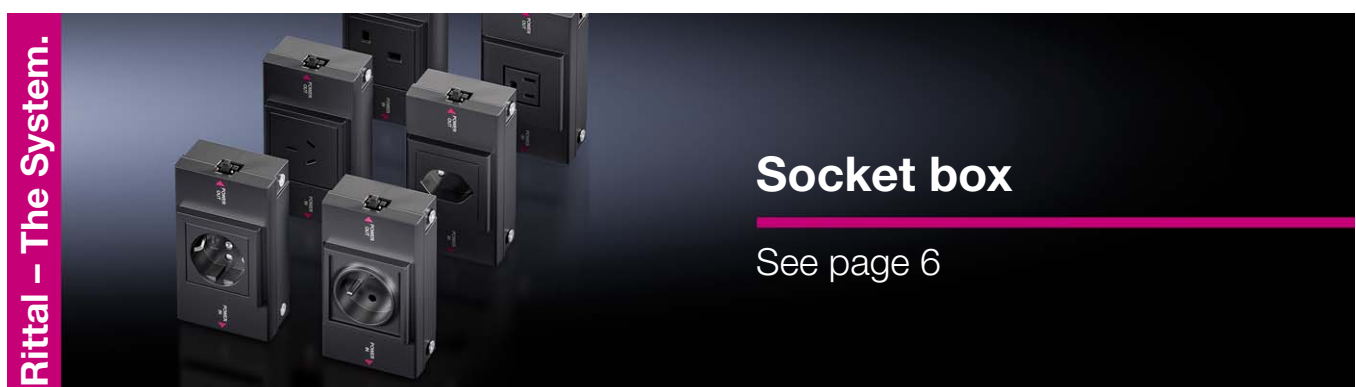| Model No.			2500.212	2500.213	2500.214	2500.220	Page
Output (lumens)			900	900	900	900	
Length (mm)			437	437	437	437	
Motion sensor			–	–	–	–	
Rated operating voltage	100 – 240 V AC		■	■	100 – 125 V AC	–	
	24 V DC		–	–	–	■	
Equipment	Socket		F/B	CH	USA / CDN	–	
	90° rotating connector		■	■	■	■	
	Adjustable light direction		–	–	–	–	
	Adjustable light distribution		■	■	■	■	
Approvals	UL/cUL		–	–	■	■	
	CSA		–	–	■	■	
	CCC		–	–	–	■	
	ENEC		■	■	■	■	
Installation type	Screw-fastening		■	■	■	■	
	Clip attachment		■	■	■	■	
	Magnetic attachment to surfaces (accessory)		–	–	–	■	
Connection options	Infeed		3-pole	3-pole	3-pole	2-pole	
	Through-wiring		3-pole	3-pole	3-pole	2-pole	
	Door-operated switch (accessory)		■	■	■	■	
Mounting options[1]	Enclosures with a 25 mm pitch pattern	Screw fastening/clip	Directly on the profile	Directly on the profile	Directly on the profile	Directly on the profile	
Accessories							
Rail for interior installation AX			see Internet	see Internet	see Internet	see Internet	
Mounting bracket			6205.100	6205.100	6205.100	6205.100	
Mounting kit magnet			–	–	–	2500.490	14
Door-operated switch			2500.460	2500.460	2500.460	2500.460	14
Door-operated switch, UL			–	–	2500.470	2500.470	14
Connection accessories							
Infeed, 2-pole			–	–	–	2500.410	7
Infeed, 2-pole, UL			–	–	–	–	
Infeed, 3-pole			2500.400	2500.400	–	–	7
Infeed, 3-pole, UL			–	–	2500.500	–	7
Through-wiring, 2-pole			–	–	–	2500.440	7
Through-wiring, 2-pole, UL			–	–	–	–	
Through-wiring, 3-pole			2500.430	2500.430	–	–	7
Through-wiring, 3-pole, UL			–	–	2500.530	–	7
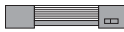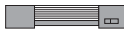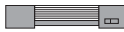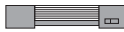
[1] The internal mounting rail AX and the mounting bracket are required when installing in compact enclosures AX

Rittal – The System.

Socket box

See page 6

Model No.			2500.100	2500.104	2500.110	2500.114	Page
Output (lumens)			400	400	600	600	
Length (mm)			262	262	337	337	
Motion sensor			–	–	–	–	
Rated operating voltage	100 – 240 V AC		■	■	■	■	
	24 V DC		–	–	–	–	
Equipment	Socket		–	–	–	–	
	90° rotating connector		–	–	–	–	
	Adjustable light direction		–	–	–	–	
	Adjustable light distribution		–	–	–	–	
Approvals	UL/cUL		–	■	–	■	
	CSA		–	■	–	■	
	CCC		■	■	■	■	
	ENEC		■	■	■	■	
Installation type	Screw-fastening		■	■	■	■	
	Clip attachment		■	■	■	■	
	Magnetic attachment to surfaces (accessory)		■	■	■	■	
Connection options	Infeed		2-pole	2-pole	2-pole	2-pole	
	Through-wiring		2-pole	2-pole	2-pole	2-pole	
	Door-operated switch (accessory)		■	■	■	■	
Mounting options[1]	Enclosures with a 25 mm pitch pattern	Screw fastening/clip	Directly on the profile	Directly on the profile	Directly on the profile	Directly on the profile	
Accessories							
Rail for interior installation AX			see Internet	see Internet	see Internet	see Internet	
Mounting bracket			6205.100	6205.100	6205.100	6205.100	
Mounting kit magnet			2500.490	2500.490	2500.490	2500.490	14
Door-operated switch			2500.460	–	2500.460	–	14
Door-operated switch, UL			–	2500.470	–	2500.470	14
Connection accessories							
Infeed, 2-pole			2500.420	–	2500.420	–	7
Infeed, 2-pole, UL			–	2500.520	–	2500.520	7
Infeed, 3-pole			–	–	–	–	
Infeed, 3-pole, UL			–	–	–	–	
Through-wiring, 2-pole			2500.450	–	2500.450	–	7
Through-wiring, 2-pole, UL			–	2500.550	–	2500.550	7
Through-wiring, 3-pole			–	–	–	–	
Through-wiring, 3-pole, UL			–	–	–	–	

[1] The internal mounting rail AX and the mounting bracket are required when installing in compact enclosures AX

IT LED system light

Interior installation

LED system light

Door-operated switch
with connection cable for LED system light

Supply includes:
– Assembly parts

	ENEC	UL	Length mm	To fit	Packs of	Model No. Black
Connection cable	■	–	800	230 V AC/24 V DC, 1 A	1 pc(s).	**2500.460**
	–	■	800		1 pc(s).	**2500.470**

Door-operated switch
without connection cable for self-assembly
– With normally closed contact and normally open contact
– Custom wiring of the LED system light when combined with the connection cable for door-operated switch
– Can be used to control the various Rittal climate control solutions when combined with standard cables

Technical specifications	UL	Packs of	Model No.
240 V, 6 A 125 V DC, 8 A 24 V, 6 A 24 V DC, 6 A	■	1 pc(s).	**4127.010**

⚠ **Also required:**

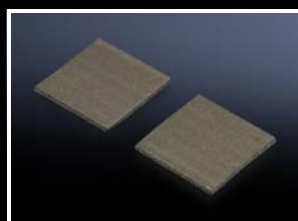– For the installation in TE: Mounting kit 7888.615

Connection cable
for door-operated switch for LED system light

Connection cable with pre-assembled connector for simple, fast connection of the LED system light. With open end for cutting the connection cable to the required individual length.

Length mm	UL	Packs of	Model No.
3000	–	1 pc(s).	**2500.660**
3000	■	1 pc(s).	**2500.670**

Mounting kit magnet
for LED system light
For sticking onto the rear of lights without a socket.

Packs of	Model No.
2 pc(s).	**2500.490**

Further technical information available on the Internet.
Rittal Socket box and LED system light

IT LED system light

Benefits:
– Plug and play installation
– Optimum illumination of the entire IT rack
– Optionally with clip, screw or magnetic attachment
– Equipment to suit every application
– Ready to use immediately, thanks to plug-in connection cable
– Attachment with no loss of U in the rack

Design:
– All-insulated, with internal fuse (T 2A) for operation with Europlug (to CEE 7/16) and IEC 320 connector

Material:
– Plastic
– Aluminium

Colour:
– Enclosure: RAL 7016

Protection class:
– II (all-insulated)

Light colour:
– 4000 K (neutral white)

Supply includes:
– Mounting kit magnet
– Assembly screws

Note:
– Connection accessories should be ordered separately
– The two plug-in connection cables should only be used with the IT LED system light. Use with all other Rittal system lights or external products is inadmissible.
– Cascading of multiple IT LED system lights is not possible

Model No.			7859.000	Page
Output (lumens)			600	
Length (mm)			337	
Motion sensor			–	
Rated operating voltage	100 – 240 V AC, 50/60 Hz		■	
Equipment	Socket		–	
	90° rotating connector		■	
	Adjustable light direction		■	
	Adjustable light distribution		■	
Approvals	UL/cUL		■	
	CSA		■	
	CCC		■	
Installation type	Screw-fastening		■	
	Clip attachment		■	
	Magnetic attachment to surfaces		■	
Connection options	Infeed		2-pole	
	Door-operated switch (accessory)		■	
Mounting options	Enclosures with a 25 mm pitch pattern	Screw fastening/clip	Directly on the profile	
	TE 8000, IT enclosure based on AX/EL	Mounting kit magnet	■	
Accessories				
Door-operated switch			2500.460	14
Door-operated switch, UL			2500.470	14
Also required: Connection accessories				
[1] Connection cable with Europlug EN 50075, CEE 7/16, type: H05VV-F, 2 x 0.75 mm², ready for connection, black, length 2 m, packs of 1			**7859.010**	
[2] Connection cable with IEC 60 320 C18 connector, UL version, to fit IEC 60 320 C13 sockets type: SJT 2 x 18 60D, ready for connection, black, length 2 m, packs of 1			**7859.020**	

[1]

Connection cable with Europlug EN 50075

[2]

Connection cable with IEC 60 320 C18 connector

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