theben
energy saving comfort

NEW

Products Spring 2019
Efficient.
Intelligent.
Inspiring.

theLeda B
LED spotlight

LUNA top3
twilight switch

RAMSES 814 BLE UP
clock thermostat

Now with even more options
## Thanks to additional modules

The incredibly flat LED spotlight with driverless, high-power LED technology is available as a single unit or combined with a light sensor, motion sensor or a remote-controlled motion sensor. Ideal for use on business premises in areas such as loading bays and ramps or entrances. The modular design leaves you free to configure your own theLeda B LED spotlight to suit your specific requirements.

theLeda B20L WH
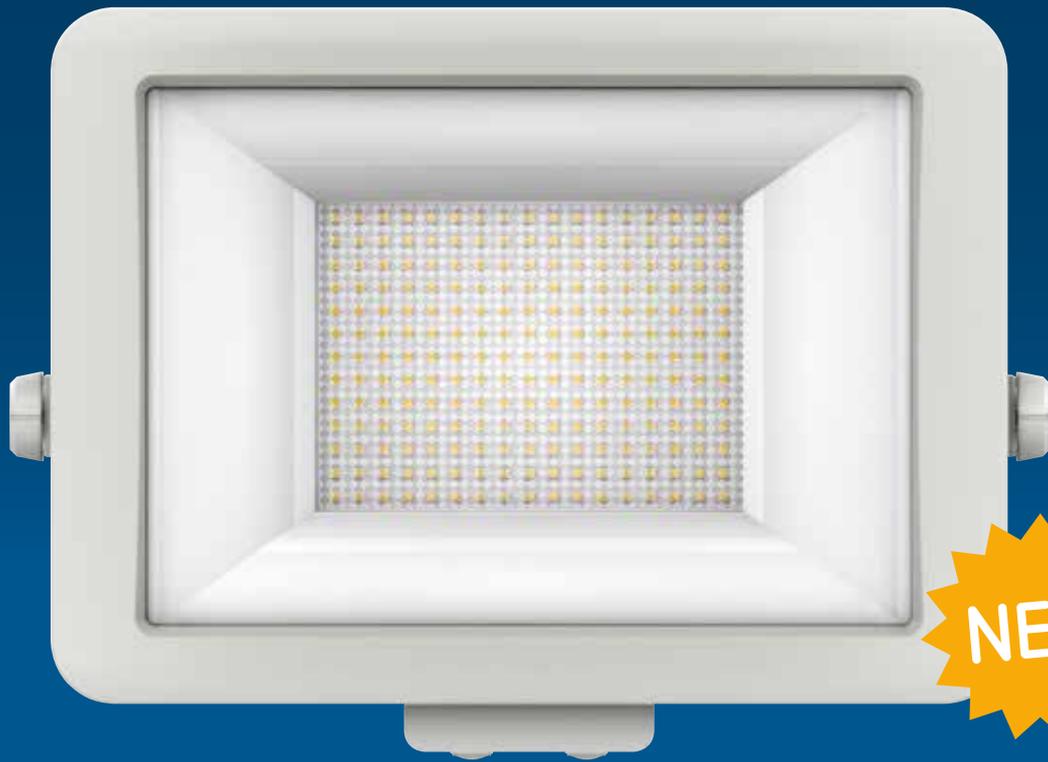20 W

theLeda B30L BK
30 W
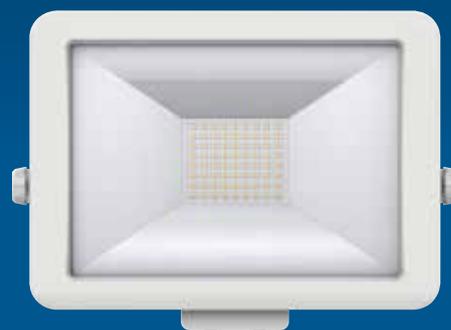
theLeda B50L WH
50 W

Always a perfect fit:
Thanks to the modular design

Looking for a high-quality and high-performance LED spotlight?
Or perhaps an LED spotlight in conjunction with a motion detector?
Ideally with a remote-controlled motion detector?
Alternatively, you can use a light sensor to control lighting based on when it goes dark at night. Whatever you want, the modular system for theLeda B makes it possible. Easy to install. Even easier to adjust to your needs!

The robust, powder-coated housing, high-quality polycarbonate lens and protection class IP 65 ensure reliable operation outdoors.
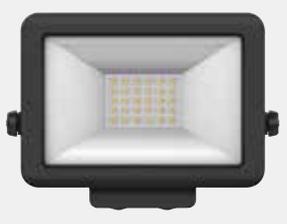
theLeda B LED spotlights now come in four models ranging from 20 W (1500 lm) to 100 W (10,200 lm) at a colour temperature of 5000 kelvin. The prismatic reflector ensures optimum light distribution.

theben

NEW

theLeda B100L WH
100 W

The accessories:
Clever additions

Version 1:
LED spotlight

For lighting control
via a switch or a button

Version 2:
LED spotlight with
light sensor

For daylight-based
lighting control

Version 3:
LED spotlight with
motion detector

For motion-based
lighting control

Version 4:
LED spotlight with
RC motion detector

For motion-based
lighting control

Each RC motion detector is sup-
plied with a remote
control

Well organised management
Here you can create new programmes, or name and manage projects.

Convenient settings
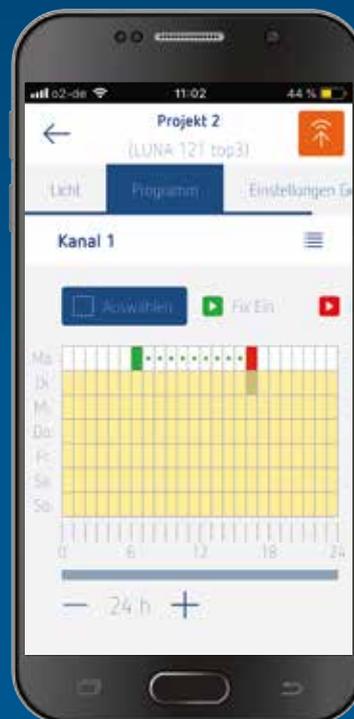Select the precise brightness values you require for turning the twilight switch on the Lux on and off for every day of the week.

Secure connection
Activate your top3 device for transfer and send the programme via Bluetooth. Make sure the Bluetooth OBELISK top3 is inserted.

Intuitively created
An individual time programme is quickly and clearly created in the classic list view.

LUNA top3 – daylight-based adjustments
Now possible via a smartphone app

The new LUNA top3 digital twilight switches from Theben are reaching new heights in terms of functionality, programmability and energy efficiency: Twilight programmes can be easily controlled using an app and transferred to the twilight switch via Bluetooth Low Energy. Thanks to the redesigned zero-cross switching, you can keep the high inrush currents of LEDs firmly under control. top3 provides 5 times more LED output than top2 (max. 600 W/800 A/200 µs).
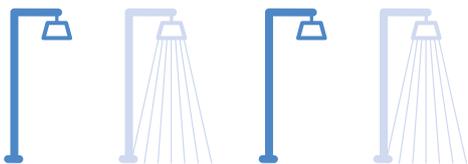
Practical, reliable and low-maintenance: Channel switching and locking

The new dual-channel LUNA 122 top3 twilight switch now offers a channel-switching and locking feature. The channel switching option allows you to activate basic lighting while at the same time saving energy. For example, this can ensure even loads for street lighting elements, while reducing maintenance intervals and downtimes. The channel locking feature prevents a channel from using conflicting commands which could damage connected devices (e.g. forward and return for motors).

Special programmes with yearly functions

The new LUNA 121 top3 and LUNA 122 top3 twilight switches feature a small annual programme and make it possible to programme one-off and recurring events (e.g. pre-programmed holidays which you need only select).

Maximum security against tampering

Time switch programmes can only be transferred from the app to the timer if the Bluetooth OBELISK top3 is plugged into the timer. This protects your device against unwanted access by third parties and ensures maximum security against tampering. This is particularly important for devices installed in public places.

RAMSES 814 BLE UP
Conveniently controlled from your smartphone

The new RAMSES 814 BLE UP clock thermostat by Theben is the first invisible clock thermostat (heating or cooling). It is completely hidden in the flush-mounted socket, under the blind cover or the socket cover.

This clock thermostat can be controlled and programmed via app, is easy to operate and can be quickly adapted to different user prompts. A direct Bluetooth Low Energy (BLE) connection is established between the app and RAMSES 814 BLE UP. This scores points with minimum power consumption for accurate temperature measurement and control. No additional components are necessary, making it attractively priced.

The invisible clock thermostat
An absolute must

Easy to use

Fiddly buttons and a basic operating display are a thing of the past. RAMSES 814 BLE UP is conveniently operated using smartphones and tablets with a high-definition colour touch screen.

Maximum security against tampering

RAMSES 814 BLE UP only needs a local Bluetooth connection to work in your home. There is no need for an Internet connection or any additional gateways or routers. A clear advantage in terms of security against tampering.

Find out more on page 14.

Easy to Install

< min

In contrast with other smart thermostats, the RAMSES 814 BLE UP does not need any additional components (gateways, switch actuators, etc.).
Install the RAMSES 814 BLE UP just like a conventional clock thermostat: quickly, easily and stress free.

Highlights

- Adjustable heating or cooling
- 3 freely programmable
  weekly programmes P1, P2, P3
  (temperature level, times)
- Setting options:
  Permanent comfort, set-back operation
  and frost protection mode
- Party and Eco function
- Holiday programme
- Wall comparison to adjust the room
  temperature measurement
- Programmable optimiser to achieve the
  target room temperature at time switch
- Optional external input for floor sensors,
  room temperature sensors, window con-
  tact and presence detectors
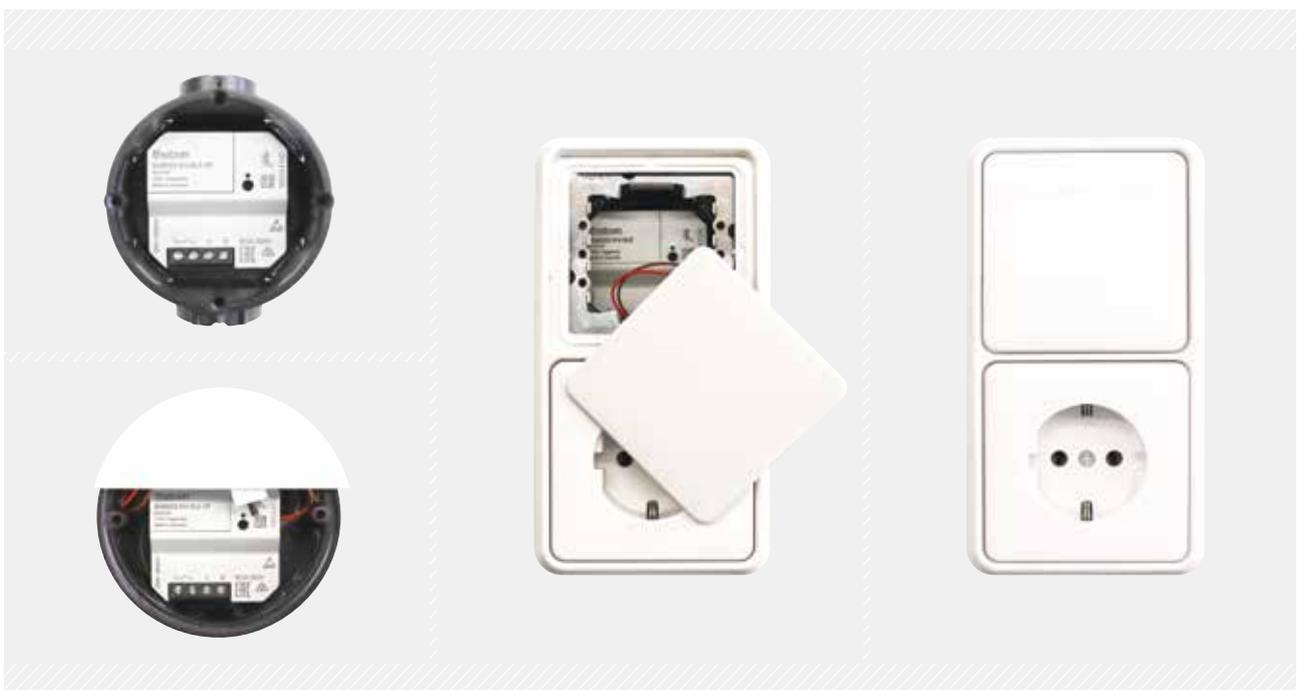- Small sensor unit for recording the
  temperature (photo on left)

Seek and you shall find
Neatly hidden

New products spring 2019
theLeda B LED spotlight

theLeda B100L WH   theLeda B100L BK   theLeda B50L WH

Description

Common functions
- LED spotlights
- Suitable for outdoor use
- Flexible extension options thanks to optional module with motion detector including switch output or light sensor incl. switch output
- Spotlight can be rotated 360°
- Not dimmable

theLeda B20L
- 20 W LED spotlight

theLeda B30L
- 30 W LED spotlight

theLeda B50L
- 50 W LED spotlight

theLeda B100L
- 100 W LED spotlight

theLeda B motion detector RC module
- theLeda B radio-controlled motion detector module
- 180° detection angle at 12 m range
- Additional light switch output
- Sensor can turned horizontally by ± 90° and downwards / backwards by 90°
- IP 55 protection rating
- theLeda B remote control included in scope of supply for the motion detector module
- A remote control can be combined with different motion detector modules
- Up to 6 remote controls can be combined with a single motion detector module
- Remote control range up to 50 m

theLeda B motion detector module
- Motion detector module for theLeda B
- 180° detection angle at 12 m range
- Additional light switch output
- Sensor can turned horizontally by ± 90° and downwards / backwards by 90°
- IP 55 protection rating

theLeda B light sensor module
- Light sensor module for theLeda B
- Duty cycle range: 2, 4, 6, 8 hours, on / permanent on at night
- Switch-on brightness can be set from 2 – 200 lux
- Additional light switch output
- IP 55 protection rating

Product selection

Type of installation	LED	Colour	Type	Item no.	Price (€) excluding VAT
Wall mounting	20 W	White	theLeda B20L WH	1020683	79.90
		Black	theLeda B20L BK	1020684	79.90
	30 W	White	theLeda B30L WH	1020685	109.90
		Black	theLeda B30L BK	1020686	109.90
	50 W	White	theLeda B50L WH	1020687	179.90
		Black	theLeda B50L BK	1020688	179.90
	100 W	White	theLeda B100L WH	1020681	278.10
		Black	theLeda B100L BK	1020682	278.10
–		White	theLeda B WH light sensor module	9070762	19.90
		Black	theLeda B BK light sensor module	9070763	19.90
		White	theLeda B WH motion detector module	9070760	19.90
		Black	theLeda B BK motion detector module	9070761	19.90
		White	theLeda B WH motion detector RC module	9070800	69.00
		Black	theLeda B BK motion detector RC module	9070801	69.00
		Black	theLeda B remote control	9070802	19.90

theben

Technical data

	theLeda B20L WH	theLeda B20L BK	theLeda B30L WH	theLeda B30L BK	theLeda B50L WH	theLeda B50L BK	theLeda B100L WH	theLeda B100L BK
Operating voltage	230 V AC							
Frequency	50 Hz							
Switch output	Light							
LED output (luminous flux)	1500 lm	1400 lm	2100 lm	2050 lm	3600 lm	3500 lm	9784 lm	10,200 lm
Colour temperature	5000 K							
Installation height	2 – 4 m							
Ambient temperature	− 20 °C ... +40 °C							
Protection class	I							
Protection rating	IP 65							

Scale drawings

theLeda B20L

theLeda B30L

theLeda B50L

theLeda B100L
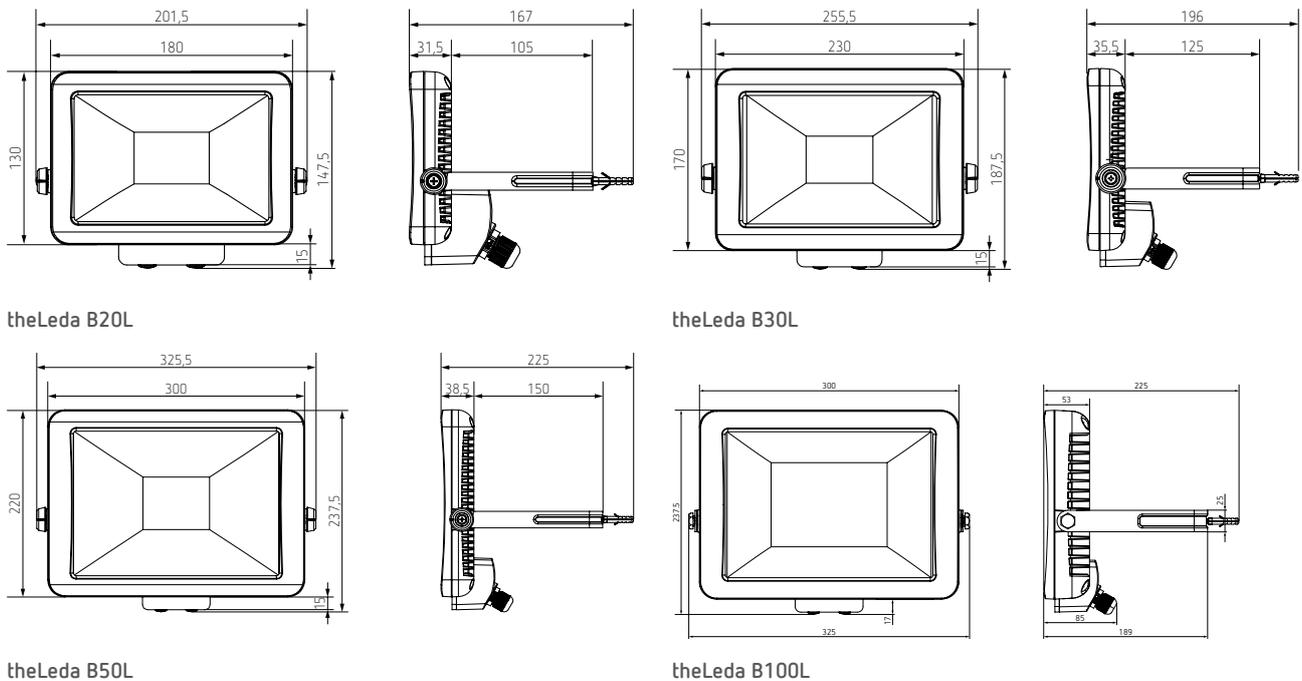
Accessories

theLeda B WH motion detector RC module
↳ Item no.: 9070800

theLeda B WH motion detector module

theLeda B BK motion detector RC module
↳ Item no.: 9070801

theLeda B BK motion detector module

theLeda B remote control
↳ Item no.: 9070802

theLeda B WH light sensor module

theLeda B BK light sensor module

Connection example
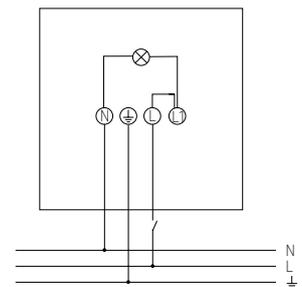
New products spring 2019
LUNA 111/112 top3 twilight switch

LUNA 111 top3   LUNA 112 top3

Description

Common functions
- Dimmer switch/light controller
- External light sensor included in the scope of supply
- Programming by app possible
- Safe transfer via optional Bluetooth Low Energy with OBELISK top3
- Maximum security against tampering, time switch programmes can only be transferred from the app to the timer if the Bluetooth OBELISK top3 is plugged in
- Switching brightness digitally adjustable
- Adjustable on and off switching delay
- Switching brightness and switching delay can be set separately for switching on and off

- Onscreen display of channel and switching status as well as current lux value
- DuoFix load line connections
- Zero-cross switching for relay-saving switching and high lamp loads
- Up to 4 sensors can be attached
- Up to 10 devices can be connected to a digital sensor
- Interface for OBELISK top2 memory card (PC programming)
- Extended brightness range
- Permanent ON/OFF switching
- Test function
- Switching pre-selection
- Display lighting
- PIN coding
- Hour counter

LUNA 111 top3
- 1 channel
- External input

LUNA 112 top3
- 2 channels

Product selection

Number of channels	External inputs	On/off switching delay	Sensor (included)	Protection rating	Type	Item no.	Price (€) excluding VAT
1	1	0–59 min	Surface-mounted light sensor	IP 20, sensor IP 55	LUNA 111 top3 AL	1110130	173.02
			Flush-fitting light sensor	IP 20, sensor IP 66 (front), ball throw tested | IP 40 (back)	LUNA 111 top3 EL	1110230	179.43
2	–	0–59 min	Surface-mounted light sensor	IP 20, sensor IP 55	LUNA 112 top3 AL	1120130	237.12
			Flush-fitting light sensor	IP 20, sensor IP 66 (front), ball throw tested | IP 40 (back)	LUNA 112 top3 EL	1120230	243.55

Technical data

	LUNA 111 top3	LUNA 112 top3
Operating voltage	110 – 230 V AC	
Frequency	50 – 60 Hz	
Standby output	0.75 W	
Brightness setting range	1 – 99,000 lx	
On / off switching delay	0 – 59 min	
Type of contact	Changeover contact	
Width	2 units	
Switching capacity	16 A (at 250 V AC, cos φ = 1), 10 A (at 250 V AC, cos φ = 0.6)	
Incandescent / halogen lamp load	2600 W	
LED lamp < 2 W	50 W	
LED lamp > 2 W	600 W	
Fluorescent lamps uncompensated	2600 W	
Fluorescent lamps, parallel-compensated	130 µF	
Ambient temperature	− 25 °C … +55 °C	
Protection class	II, sensor III	
Max. line length to sensor	100 m	

Accessories

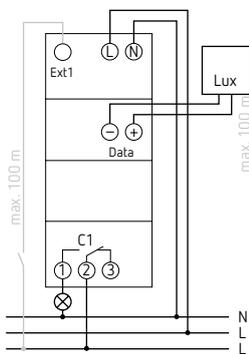**Bluetooth OBELISK top3**
↳ Item no.: 9070130

OBELISK top2 memory card
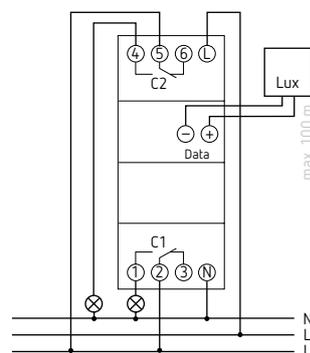↳ Item no.: 9070404

Front panel mounting kit
↳ Item no.: 9070001

Surface-mounted light sensor

Flush-fitting light sensor

35 mm wall mounting kit

OBELISK top2 / 3 PC set

Connection example

LUNA 111 top3

LUNA 112 top3

New products spring 2019
LUNA 121/122 top3 RC twilight switch

LUNA 121 top3   LUNA 122 top3

Description

Common functions
- Dimmer switch/light controller with integrated time switch with weekly programme
- External light sensor included in the scope of supply
- Time synchronisation option via connection of an external antenna, e.g. top2/3 RC-DCF or top2/3 GPS antennas
- 3 special programmes (small annual programme)
- Pulse programme
- 84 memory locations
- Programming by app possible
- Safe transfer via optional Bluetooth Low Energy with OBELISK top3
- Maximum security against tampering, time switch programmes can only be transferred from the app to the timer if the Bluetooth OBELISK top3 is plugged in
- Switching brightness digitally adjustable
- Adjustable on and off switching delay

- Switching brightness and switching delay can be set separately for switching on and off
- Onscreen display of channel and switching status as well as current lux value
- DuoFix load line connections
- Zero-cross switching for relay-saving switching and high lamp loads
- Up to 4 sensors can be attached
- Up to 10 devices can be connected to a digital sensor
- Interface for OBELISK top2 memory card (PC programming)
- Extended brightness range
- Permanent ON/OFF switching
- Test function
- Switching pre-selection
- Display lighting
- PIN coding
- Hour counter

LUNA 121 top3 RC
- 1 channel
- External input

LUNA 122 top3 RC
- 2 channels
- Channel switching and channel lock possible

Product selection

Number of channels	External inputs	On/off switching delay	Sensor (included)	Protection rating	Type	Item no.	Price (€) excluding VAT
1	1	0–59 min	Surface-mounted light sensor	IP 20, sensor IP 55	LUNA 121 top3 RC AL	1210130	217.89
			Flush-fitting light sensor	IP 20, sensor IP 66 (front), ball throw tested | IP 40 (back)	LUNA 121 top3 RC EL	1210230	224.30
2	–	0–59 min	Surface-mounted light sensor	IP 20, sensor IP 55	LUNA 122 top3 RC AL	1220130	282.01
			Flush-fitting light sensor	IP 20, sensor IP 66 (front), ball throw tested | IP 40 (back)	LUNA 122 top3 RC EL	1220230	288.43

theben

Technical data

	LUNA 121 top3	LUNA 122 top3
Operating voltage	110 – 230 V AC	
Frequency	50 – 60 Hz	
Standby output	0.75 W	
Brightness setting range	1 – 99,000 lx	
On/off switching delay	0 – 59 min	
Type of contact	Changeover contact	
Width	2 units	
Switching capacity	16 A (at 250 V AC, cos φ = 1), 10 A (at 250 V AC, cos φ = 0.6)	
Incandescent/halogen lamp load	2600 W	
LED lamp < 2 W	50 W	
LED lamp > 2 W	600 W	
Fluorescent lamps uncompensated	2600 W	
Fluorescent lamps, parallel-compensated	130 µF	
Ambient temperature	− 25 °C … +55 °C	
Protection class	II, sensor III	
Max. line length to sensor	100 m	

Accessories

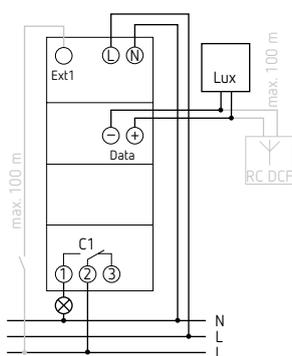**Bluetooth OBELISK top3**
↳ Item no.: 9070130

OBELISK top2 memory card
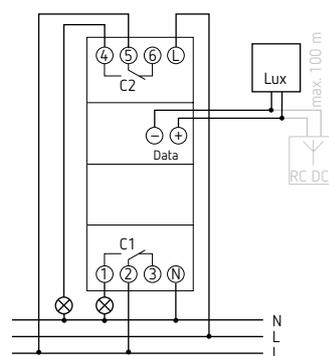↳ Item no.: 9070404

top2/3 RC − DCF antenna
↳ Item no.: 9070410

Front panel mounting kit

Surface-mounted light sensor

Flush-fitting light sensor

35 mm wall mounting kit

OBELISK top2/3 PC set

top2/3 RC-GPS antenna

top2/3 GPS power unit

Connection example

LUNA 121 top3

LUNA 122 top3

New products spring 2019
RAMSES 814 BLE UP clock thermostat

Description

- Digital clock thermostat for time-dependent monitoring and control of room temperature (heating or cooling)
- Mains version
- Operation via app
- Suitable for energy-saving room temperature regulation in houses, apartments, etc.
- Installation in flush-mounted box, can be used with any switching programme or under a blind cover
- Temperature sensor in scope of supply
- Direct Bluetooth Low Energy (BLE) connection between the app and RAMSES BLE, no communication via the Internet

- Settings configured conveniently via the app with intuitive operation from a smartphone or tablet
- Increased user convenience
- External input for the flexible connection of the external room temperature sensor, floor sensor, motion detector or telephone contact
- Intelligent control algorithm (pulse-duration controller, hysteresis controller)
- Suitable for on/off heating systems, zone-based or single-room control, electric heating units

Simple operation via app

- Intuitive programming without the need for prior experience and device monitoring on a high-resolution smartphone display
- Maximum protection against tampering and optimum data protection thanks to the local Bluetooth Low Energy connection. No Internet connection with cloud data storage, remote access and geofencing

Product selection

Programme	Switching capacity at 250 V AC	Temperature setting range	Operating voltage	Type	Item no.	Price (€) excluding VAT
Weekly programme	8 (1) A (with external sensor) 2 (1) A (with temperature sensor in flush-mounted box)	+2 °C … +30 °C	230 V AC	RAMSES 814 BLE UP	8140150	98.00

Technical data

RAMSES 814 BLE UP			
Operating voltage	230 V AC, 50 Hz	Temperature setting range	+2 °C … +30 °C
Controller type	Hysteresis or pulse-duration controller	Programme	Weekly programme
Switching capacity	8 (1) A/250 V AC (with external sensor) 2 (1) A/250 V AC (with temperature sensor in flush-mounted box)	Number of memory locations	42
		Power reserve	4 years

Accessories

RAMSES IP65 temp. sensor
↳ Item no.: 9070459

Floor sensor
↳ Item no.: 9070321

Scale drawings

44,4

44,6

24,9

19,2
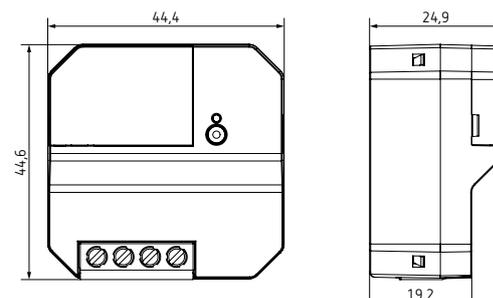
Description

Sometimes the flat PlanoSpot KNX presence detector cannot be mounted flush with the ceiling. In cases where surface mounting is mandatory, Theben now offers the appropriate back box for the PlanoSpot in a white plastic version, replacing the previous 75A back box.

Product selection

Description	Type	Item no.	Price (€) excluding VAT
PlanoSpot surface (mount) frame	Back box 75B WH	9070796	12.44

Overview
New products

theLeda B

Type of installation	LED	Colour	Type	Item no.	Price (€) excluding VAT	Available	Replaces item/ discontinued model
Wall mounting	100 W	White	theLeda B100L WH	1020681	278.10	June 2019	–
		Black	theLeda B1000L BK	1020682	278.10	June 2019	–
–		White	theLeda B WH motion detector RC module	9070800	69.00	June 2019	–
		Black	theLeda B BK motion detector RC module	9070801	69.00	June 2019	–
		Black	theLeda B remote control	9070802	19.90	June 2019	–

LUNA top3 twilight switch

Number of channels	External inputs	Sensor (included)	Type	Item no.	Price (€) excluding VAT	Available	Replaces item/ discontinued model
1	1	Surface-mounted light sensor	LUNA 111 top3 AL	1110130	173.02	from stock	1110100
		Flush-fitting light sensor	LUNA 111 top3 EL	1110230	179.43	from stock	1110200
2	–	Surface-mounted light sensor	LUNA 112 top3 AL	1120130	237.12	from stock	1120100
		Flush-fitting light sensor	LUNA 112 top3 EL	1120230	243.55	from stock	1120200
1	1	Surface-mounted light sensor	LUNA 121 top3 RC AL	1210130	217.89	from stock	1210100
		Flush-fitting light sensor	LUNA 121 top3 RC EL	1210230	224.30	from stock	1210200
2	–	Surface-mounted light sensor	LUNA 122 top3 RC AL	1220130	282.01	from stock	1220100
		Flush-fitting light sensor	LUNA 122 top3 RC EL	1220230	288.43	from stock	1220200

RAMSES BLE UP clock thermostat

Programme	Temperature setting range	Type	Item no.	Price (€) excluding VAT	Available	Replaces item/ discontinued model
Weekly programme	+2 °C … +30 °C	RAMSES 814 BLE UP	8140150	98.00	from stock	–

Accessories

Description	Type	Item no.	Price (€) excluding VAT	Available	Replaces item/ discontinued model
PlanoSpot surface (mount) frame	Back box 75B WH	9070796	12.44	from stock	9070949

Theben is a member of:

DGNB
Deutsche Gesellschaft für Nachhaltiges Bauen
German Sustainable Building Council

KNX®

SMART LIVING
MADE IN GERMANY

ELEKTRO MARKEN
STARKE PARTNER

PREMIUM MARKEN Partner

LonMark®

Follow Theben online:

9900614   1919   Subject to technical changes and improvements.

4 003468 990704