



INVERTER MODULES

Emergency supply modules for operation of a luminaire with LED lamp and electronic control gear in reduced power during failure of the mains supply. Connection of the luminaire with change of the inner wiring. Variants with separate electronic and battery module and separate signal LED.

Versions for luminaire installation (without housing) and luminaire attachment (with housing)

MOUNTING TYPES



TECHNICAL DATA

Housing:	Polycarbonate, white (RAL 9003) (luminaire installation) Polycarbonate grey (RAL 7035) (luminaire attachment)	Type of protection:	IP20 (luminaire installation) IP65 (luminaire attachment)
-----------------	--	----------------------------	--

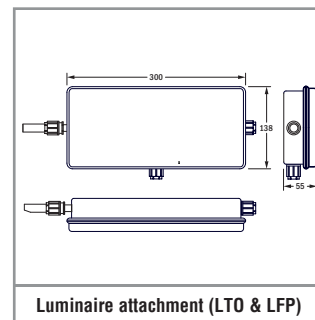
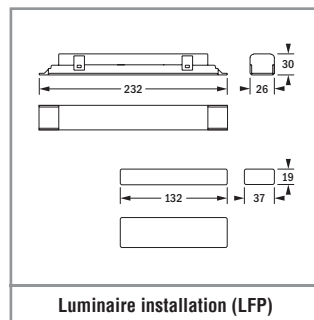
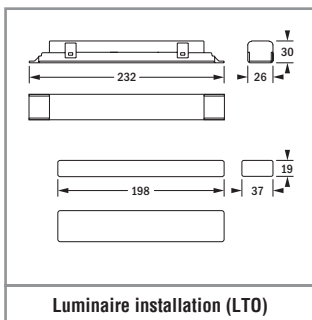


SELF-CONTAINED SUPPLY

Mains supply:	230 V/50 Hz
Switching:	Maintained and non-maintained
Protection class:	II
Ambient temperature:	Electronic: -20 °C to +70 °C Battery: LTO: -20 °C to +45 °C LFP: 0 to +40 °C


SUPPLY – LED LAMP

Driver power (inverter):	10 W for 1 h operating duration 3.3 W for 3 h operating duration 1.25 W for 8 h operating duration (adjustable over DIP switch on inverter)
Driver current (inverter):	max. 0.5 Ah
Driver voltage (inverter):	3 V to 55 V






SELF-CONTAINED SUPPLY

Autotest Order code	Logica Order code	Logica FM Order code	$\Phi =$ 1 h	$\Phi =$ 3 h	$\Phi =$ 8 h	
Luminaire installation ¹						
19390	19390	19390+19375	see formula	see formula	see formula	LTO 14.4 V / 1.2 Ah

LFP SELF-CONTAINED SUPPLY

Autotest Order code	Logica Order code	Logica FM Order code	$\Phi =$ 1 h	$\Phi =$ 3 h	$\Phi =$ 8 h	
Luminaire installation ¹						
19391	19391	19391+19375	see formula	see formula	see formula	LFP 12.8 V / 1.5 Ah

¹ Please order additional required accessories for luminaire attachment separately.

FORMULAS FOR CALCULATION OF THE LIGHT FLUX IN BATTERY OPERATION

Operating duration 1 h

light flux of LED lamp in mains operation = 100 %
light flux of LED lamp in battery operation =

$$\text{light flux of LED lamp in mains operation} \times \frac{10 \text{ W}}{\text{power of LED lamp in mains operation}}$$

Operating duration 3 h

light flux of LED lamp in mains operation = 100 %
light flux of LED lamp in battery operation =

$$\text{light flux of LED lamp in mains operation} \times \frac{3.3 \text{ W}}{\text{power of LED lamp in mains operation}}$$

Operating duration 8 h

light flux of LED lamp in mains operation = 100 %
light flux of LED lamp in battery operation =

$$\text{light flux of LED lamp in mains operation} \times \frac{1.25 \text{ W}}{\text{power of LED lamp in mains operation}}$$

Operating duration without subsidiary battery	Driver power (inverter)	Operating duration with subsidiary battery (RA07 or RA08)
1 h	10 W	2 h
3 h	3.3 W	6 h
8 h	1.25 W	16 h

Please order accessories separately

Order code	Description
RA07	Subsidiary battery LTO 14.4 V / 1.2 Ah
RA08	Subsidiary battery LFP 12.8 V / 1.5 Ah
19375	Logica FM interface
19376	Housing for luminaire attachment IP65