

EMERGENCY ESCAPE LIGHTING

LOVATO P

MATERIALS:

White, grey or black polycarbonate body

MOUNTING:

Recessed (ceiling)

POWER SUPPLY:

Self contained – 220 - 240VAC/50 - 60Hz

Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC

Central battery FZLV – 24VDC

LIGHT SOURCE:

1W, 2W, 3W power LED

Optics

R – escape route

U – universal

CHARGING:

BASIC: max. 24h

STANDARD: max. 24h

PREMIUM: max. 12h; energy-saving electronic charger

AUTONOMY AND BATTERIES:

BASIC: 1h or 3h, Ni-Cd 3,6V batteries

STANDARD: 1h or 3h, Ni-Cd 3,6V batteries

PREMIUM: 1h or 3h, LiFePO₄ 6,4V batteries

INSULATION CLASS:

II or III

IP RATING:

IP20

AMBIENT TEMPERATURE:

t_a: 0°C - +40°C

OPTIONS:

SE – non maintained

SA – maintained

AT – autotest

PT – manual test button

RU – Rubic UNA central monitoring

FZLV – central battery FZLV 24VDC

CB – central battery

ADDITIONAL INFORMATION:

LED indicator signalizes mains power supply and battery charge

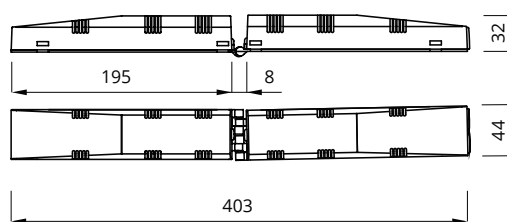
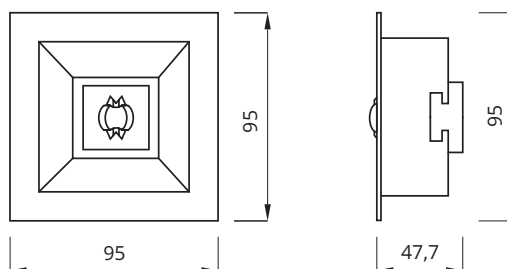
Deep discharge protection

III class of insulation of FZLV version

Electronic gear and battery package installed in a separate box



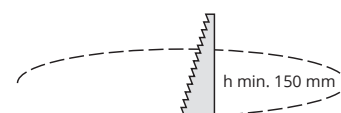
DIMENSIONS (mm):



RECESSING CUT (mm):

• ceiling

Ø 83mm



220-240V AC 50-60Hz	176-275V DC	24V DC	LED	IP20	
		CE	Ni-Cd	LiFePO ₄	



KM 618355
BS-EN60592-2-22

**current list of products with Kitemark and ENEC is available at www.awex.eu

EMERGENCY ESCAPE LIGHTING

SELF-CONTAINED CONFIGURATION

CODE	POWER	MODULE	AUTONOMY [h]		MODE	OPTIONS	COLOR		
BASIC									
LVPR LVPU	1W	E	1	3	SE	PT X	WH	GR	BL
STANDARD									
LVPR LVPU	1W	C	1	3	SA	PT X	WH	GR	BL
LVPR LVPU	2W	C	1	3	SA	PT X	WH	GR	BL
LVPR LVPU	3W	C	1	3	SA	PT X	WH	GR	BL
PREMIUM									
LVPR LVPU	1W	B	1	3	SA	AT RU	WH	GR	BL
LVPR LVPU	2W	B	1	3	SA	AT RU	WH	GR	BL
LVPR LVPU	3W	B	1	3	SA	AT RU	WH	GR	BL

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS	COLOR		
LVPR LVPU	1W	F	CB	CBS X	WH	GR	BL
LVPR LVPU	2W	F	CB	CBS X	WH	GR	BL
LVPR LVPU	3W	F	CB	CBS X	WH	GR	BL

CENTRAL BATTERY CONFIGURATION - ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS	COLOR		
LVPR LVPU	1W	Z	CB	ADE ADP	WH	GR	BL
LVPR LVPU	2W	Z	CB	ADE ADP	WH	GR	BL
LVPR LVPU	3W	Z	CB	ADE ADP	WH	GR	BL

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM	COLOR		
LVPR LVPU	1W	FZLV	WH	GR	BL
LVPR LVPU	2W	FZLV	WH	GR	BL
LVPR LVPU	3W	FZLV	WH	GR	BL

OUTPUT IN EMERGENCY MODE

POWER	OUTPUT [lm]	
	LVPR	LVPU
BASIC		
1W	125	125
STANDARD		
1W	135	135
2W	250	250
3W	340	325
PREMIUM		
1W	150	150
2W	270	280
3W	370	390

OUTPUT IN EMERGENCY MODE

POWER	OUTPUT [lm]	
	LVPR	LVPU
1W	150	150
2W	270	280
3W	370	390

OUTPUT IN EMERGENCY MODE

POWER	OUTPUT [lm]	
	LVPR	LVPU
1W	150	150
2W	270	280
3W	370	390

OUTPUT IN EMERGENCY MODE

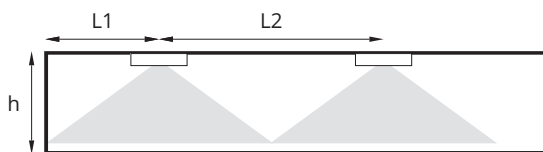
POWER	OUTPUT [lm]	
	LVPR	LVPU
1W	150	150
2W	270	280
3W	370	390

LEGEND:

- LVPR – fixture Lovato P with optics for escape route
- LVPU – fixture Lovato P with universal optics
- E – electronic gear for BASIC self-contained fittings
- C – electronic gear for STANDARD self-contained fittings
- B – electronic gear for PREMIUM self-contained fittings
- F – electronic gear for central battery fittings
- Z – electronic gear for addressable central battery fittings
- SE – non maintained
- SA – maintained (with an option of connecting as non-maintained)
- PT – manual test button
- X – fitting without additional options
- AT – autotest
- RU – Rubic UNA central monitoring
- FZLV – central battery FZLV 24 VDC
- CB – central battery version
- CBS – central battery for circuit monitoring
- ADP – central battery with ADP address module – SMART technology
- ADE – central battery with ADE address module
- WH – white color
- GR – grey color
- BL – black color

EMERGENCY ESCAPE LIGHTING

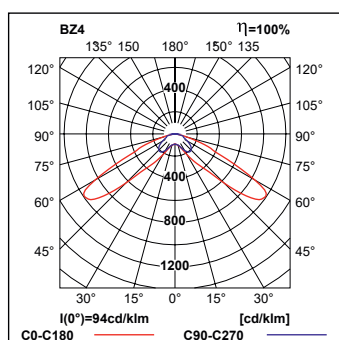
Photometry of LOVATO P - LVPR , LVPU



L1 - distance from the wall to the first fixture
L2 - distance between fixtures
h - height of the ceiling



LVPR - with optics for escape route



LVPR 1W (150lm) min. 1lx

h [m]	L1	L2
2,50	5,0	11,0
3,00	5,5	13,0
3,50	6,0	14,0
4,00	6,5	15,0

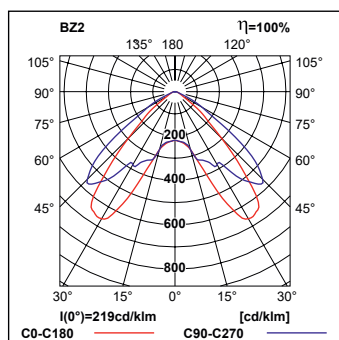
LVPR 2W (270lm) min. 1lx

h [m]	L1	L2
2,50	6,0	13,0
3,00	6,5	14,5
3,50	7,0	16,0
4,00	7,5	17,5
4,50	8,0	18,5
5,00	8,5	19,5
6,00	9,0	20,0

LVPR 3W (370lm) min. 1lx

h [m]	L1	L2
2,50	6,0	14,0
3,00	6,5	15,5
3,50	7,5	17,0
4,00	8,0	18,0
4,50	9,0	20,0
5,00	9,0	21,0
6,00	9,0	21,5

LVPU - with universal optics



LVPU 1W (150lm) min. 0,5lx

h [m]	L1	L2
2,50	3,0	6,5
3,00	3,0	7,0
3,50	3,5	7,5
4,00	3,5	8,5
4,50	4,0	8,5
5,00	4,5	9,0
6,00	4,5	8,0

LVPU 2W (280lm) min. 0,5lx

h [m]	L1	L2
2,50	3,5	7,5
3,00	4,0	8,0
3,50	4,0	9,0
4,00	4,5	9,5
4,50	5,0	10,0
5,00	5,0	11,0
6,00	5,5	11,0

LVPU 3W (390lm) min. 0,5lx

h [m]	L1	L2
2,50	3,5	8,0
3,00	4,0	8,5
3,50	4,5	9,5
4,00	4,5	10,5
4,50	5,5	11,0
5,00	6,0	12,5
6,00	6,5	13,5