

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

C - corridor

R - escape route

O - open area

U - universal

A - asymmetric

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:

Self-contained:

t_a: 0°C ÷ 40°C

CB:

t_a: 0°C ÷ 50°C

OPTIONS:

SE - non maintained

SA - maintained (with an option of connecting as non-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

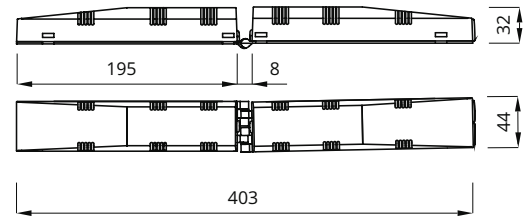
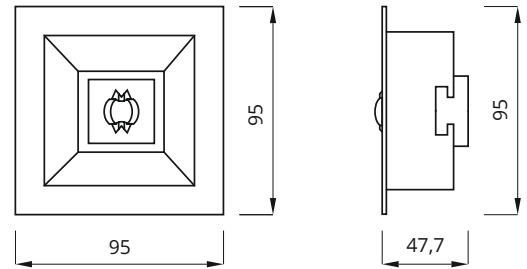
Deep discharge protection

III class of insulation of FZLV version

Electronic gear and battery package installed in a separate box



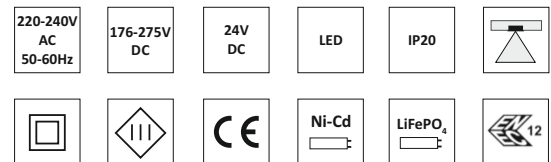
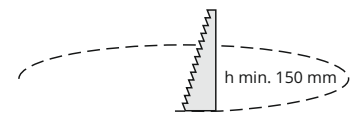
DIMENSIONS (mm):



RECESSING CUT (mm):

• ceiling

Ø 83mm



KM 618355
BS-EN 60598-2-22

EMERGENCY ESCAPE LIGHTING

SELF-CONTAINED CONFIGURATION:

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

OUTPUT IN EMERGENCY MODE

POWER	OUTPUT [lm]				
	LVPR	LVPU	LVPO	LVPC	LVPA
BASIC					
1W	140	130	130	140	130
STANDARD					
1W	140	130	130	140	130
2W	240	240	240	240	250
3W	340	350	350	330	345
PREMIUM					
1W	140	140	140	150	140
2W	250	270	270	240	270
3W	370	390	390	360	370

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

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

OUTPUT IN EMERGENCY MODE

POWER	OUTPUT [lm]				
	LVPR	LVPU	LVPO	LVPC	LVPA
1W	140	140	140	150	140
2W	250	270	270	240	270
3W	370	390	390	360	370

CENTRAL BATTERY CONFIGURATION - ADDRESSABLE:

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

OUTPUT IN EMERGENCY MODE

POWER	OUTPUT [lm]				
	LVPR	LVPU	LVPO	LVPC	LVPA
1W	140	140	140	150	140
2W	250	270	270	240	270
3W	370	390	390	360	370

FZLV SYSTEM CONFIGURATION:

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

OUTPUT IN EMERGENCY MODE

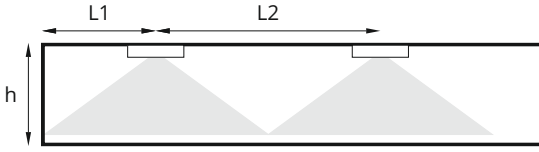
POWER	OUTPUT [lm]				
	LVPR	LVPU	LVPO	LVPC	LVPA
1W	140	140	140	150	140
2W	250	270	270	240	270
3W	370	390	390	360	370

LEGEND:

- LVPR – fixture Lovato P with optics for escape route
- LVPU – fixture Lovato P with universal optics
- LVPO – fixture Lovato P with optics for open area
- LVPC – fixture Lovato P with optics for corridor
- LVPA – fixture Lovato P with asymmetric 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

INFORMATION FOR READERS

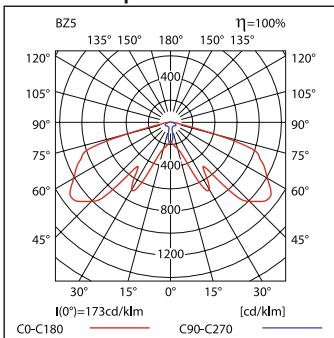
Photometry of LOVATO P - LVPC, LVPR, LVPO, LVPU, LVPA



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



LVPC - with optics for corridor



LVPC 1W (150lm) min.1lx

h [m]	L1	L2
2,50	6,0	14,5
3,00	6,5	16,0
3,50	6,5	17,0
4,00	7,0	17,5
4,50	7,0	18,0
5,00	7,0	17,5
6,00	6,5	15,0

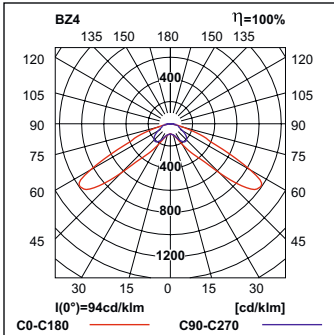
LVPC 2W (270lm) min.1lx

h [m]	L1	L2
2,50	6,5	16,0
3,00	7,5	18,0
3,50	8,0	20,0
4,00	8,0	21,0
4,50	8,5	22,0
5,00	9,0	24,5
6,00	9,5	25,0
7,00	10,0	26,0

LVPC 3W (350lm) min.1lx

h [m]	L1	L2
2,50	7,0	16,0
3,00	8,0	18,5
3,50	9,0	21,0
4,00	9,5	22,5
4,50	10,0	25,0
5,00	10,5	26,5
6,00	11,0	27,0
7,00	11,5	28,0
8,00	11,0	28,0

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

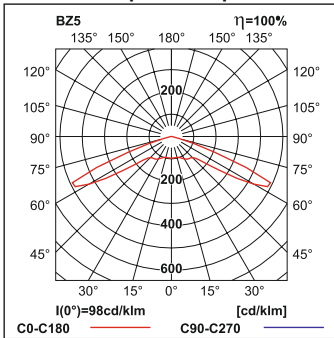
LVPR 2W (270lm) min. 1lx

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

LVPO - with optics for open area



LVPO 1W (140lm) min.0,5lx

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

LVPO 2W (270lm) min.0,5lx

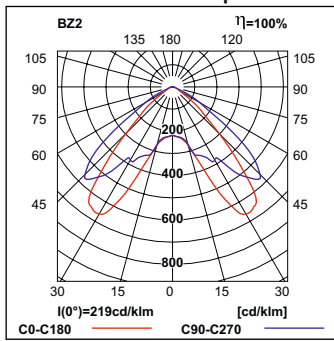
h [m]	L1	L2
2,50	5,0	11,5
3,00	5,5	12,5
3,50	6,0	14,5
4,00	6,5	16,0
4,50	7,0	16,5
5,00	6,5	14,5
6,00	2,5	14,0
7,00	2,5	13,5
8,00	2,0	13,0

LVPO 3W (360lm) min.0,5lx

h [m]	L1	L2
2,50	5,0	12,0
3,00	5,5	13,0
3,50	6,5	15,5
4,00	7,0	16,5
4,50	7,5	18,0
5,00	8,0	19,5
6,00	4,0	18,0
7,00	2,5	18,0
8,00	2,5	17,5

INFORMATION FOR READERS

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

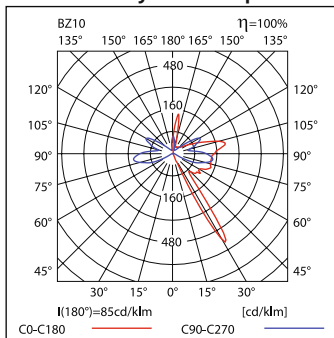
LVPU 2W (280lm) min. 0,5lx

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

LVPA – with asymmetric optics



LVPA 1W (140lm) min. 1lx

h [m]	L1	L2
2,50	1,5	11,5
3,00	1,5	12,0
3,50	2,5	7,5
4,00	2,5	7,5
4,50	2,5	7,0
5,00	2,0	7,0
6,00	2,0	6,0

LVPA 2W (270lm) min. 1lx

h [m]	L1	L2
2,50	8,0	15,0
3,00	2,5	15,5
3,50	3,0	15,5
4,00	3,0	15,5
4,50	4,0	9,0
5,00	4,5	9,0
6,00	4,0	9,0
7,00	4,0	8,0
8,00	3,5	8,0

LVPA 3W (360lm) min. 1lx

h [m]	L1	L2
2,50	9,0	21,5
3,00	3,0	18,5
3,50	3,0	18,0
4,00	3,0	18,0
4,50	3,0	17,5
5,00	4,0	11,0
6,00	4,5	11,0
7,00	4,0	11,0
8,00	4,0	10,5