

LOVATO P

awex
EMERGENCY LIGHTING



AC
220-240V
50-60Hz

DC
176-275V

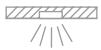
DC
24V

DC
48V

LED

IP20

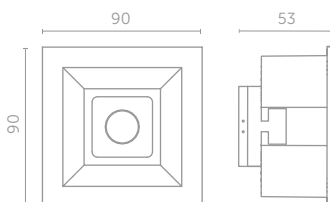
IK08



KM 618355
BS-EN 60598-2-22



MATERIALS	White, grey or black polycarbonate body
MOUNTING	Recessed
POWER SUPPLY	Self contained – 220 - 240VAC/50 - 60Hz Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC Central battery FZLV II – 48VDC Central battery FZLV – 24VDC
LIGHT SOURCE	1W, 2W, 3W, 4W, 6W LED Optics: A – asymmetric • O – open area • U – universal • R – escape route • C – corridor Colour temperature: 6000K Lifetime: 50000h
CHARGING	Standard: max. 24h Premium: max. 12h; energy-saving electronic charger
AUTONOMY AND BATTERIES	Standard: 1h or 3h, Ni-Cd 3,6V batteries Premium: 1h or 3h, LiFePO ₄ 6,4V batteries
INSULATION CLASS	II or III
IP & IK RATING	IP20, IK08
AMBIENT TEMPERATURE	Self-contained: t _a : 0°C ÷ 40°C Central battery: t _a : 0°C ÷ 50°C
OPTIONS	SE – non maintained • SA – maintained • AT – autotest • RU – Rubic UNA central monitoring • RD – DALI central monitoring • FZLV – central battery FZLV 24VDC • FZLV2 – central battery FZLV II 48VDC • CB – central battery
ADDITIONAL INFORMATION	LED indicator signalizes mains power supply and battery charge • Deep discharge protection • III class of insulation of FZLV and FZLV II version • Electronic gear and battery package installed in a separate box
DIMENSIONS [mm]	



SELF-CONTAINED CONFIGURATION

	CODE	POWER	MODULE	AUTONOMY [h]		MODE			OPTIONS		COLOR		
						SE	SA	AT	X	WH	GR	BL	
STANDARD	LVPR	1W	E C	1	3	SE	SA	AT	X	WH	GR	BL	
	LVPU	2W	E C	1	3	SE	SA	AT	X	WH	GR	BL	
	LVPO	3W	E C	1	3	SE	SA	AT	X	WH	GR	BL	
PREMIUM	LVPC	1W	B	1	3	SE	SA	AT	RU	RD	WH	GR	BL
	LVPA	2W	B	1	3	SE	SA	AT	RU	RD	WH	GR	BL
	LVPU	3W	B	1	3	SE	SA	AT	RU	RD	WH	GR	BL
	LVPO	4W	B	1	3	SE	SA	AT	RU	RD	WH	GR	BL
	LVPC	6W	B	1	3	SE	SA	AT	RU	RD	WH	GR	BL

* power in emergency mode

OUTPUT IN EMERGENCY MODE [lm]

	POWER	OUTPUT [lm]				
		LVPR	LVPU	LVPO	LVPC	LVPA
STANDARD	1W	180	180	175	180	175
	2W	300	300	300	300	300
	3W	400	410	385	385	400
PREMIUM	1W	190	190	185	190	185
	2W	350	350	350	350	350
	3W	460	460	460	460	460
	4W	550	550	550	550	550
	6W	785	800	775	785	765

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR		
				CBS	X	WH	GR	BL
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
	6W	F	CB	CBS	X	WH	GR	BL

OUTPUT IN EMERGENCY MODE [lm]

POWER	OUTPUT [lm]				
	LVPR	LVPU	LVPO	LVPC	LVPA
1W	190	190	185	190	185
2W	350	350	350	350	350
3W	460	460	460	460	460
6W	785	800	775	785	765

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR		
				ADE	ADP	WH	GR	BL
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
	4W	Z	CB	ADE		WH	GR	BL
	6W	Z	CB	ADE	ADP	WH	GR	BL

OUTPUT IN EMERGENCY MODE [lm]

POWER	OUTPUT [lm]				
	LVPR	LVPU	LVPO	LVPC	LVPA
1W	190	190	185	190	185
2W	350	350	350	350	350
3W	460	460	460	460	460
4W	550	550	550	550	550
6W	785	800	775	785	765

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM		COLOR		
		FZLV	FZLV2	WH	GR	BL
LVPR LVPU LVPO LVPC LVPA	1W	FZLV	FZLV2	WH	GR	BL
	2W	FZLV	FZLV2	WH	GR	BL
	3W	FZLV	FZLV2	WH	GR	BL
	4W		FZLV2	WH	GR	BL
	6W		FZLV2	WH	GR	BL

OUTPUT IN EMERGENCY MODE [lm]

POWER	OUTPUT [lm]				
	LVPR	LVPU	LVPO	LVPC	LVPA
1W	190	190	185	190	185
2W	350	350	350	350	350
3W	460	460	460	460	460
4W	550	550	550	550	550
6W	785	800	775	785	765

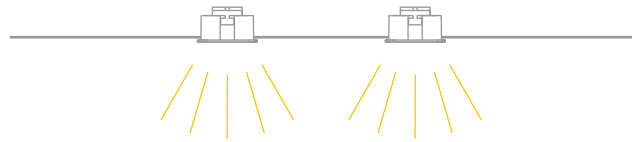
LEGEND:

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, C	electronic gear for STANDARD self-contained fittings
B	electronic gear for PREMIUM

F	self-contained fittings electronic gear for central battery fittings
Z	electronic gear for addressable central battery fittings
SE	non maintained
SA	maintained
X	fitting without additional options
AT	autotest
RU	Rubic UNA central monitoring
RD	DALI central monitoring
FZLV	central battery FZLV 24 VDC
FZLV2	central battery FZLV II 48 VDC

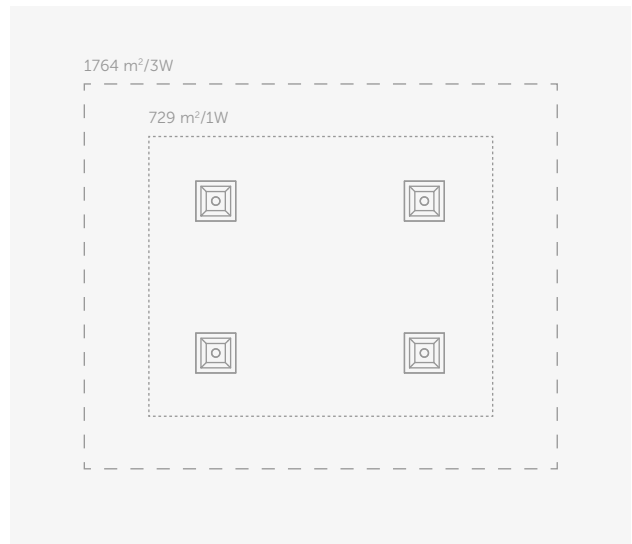
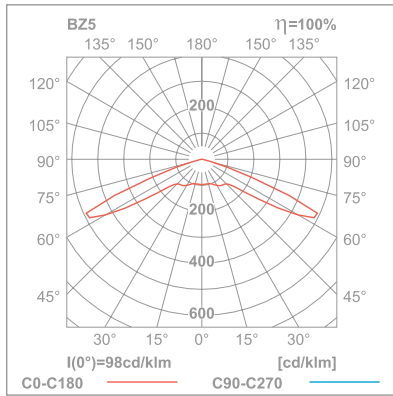
CB	central battery version
CBS	central battery for circuit monitoring
ADP	address module for CBS 1.0 – SMART technology
ADE	address module for CBS 2.0 – SMART technology
WH	white color
GR	grey color
BL	black color

LOVATO P EXAMPLE OF PHOTOMETRY



Optic O for open area

simulation for four luminaires and min 0,5 lx (area)



Optic C for corridor

simulation for two luminaires and min 1 lx (distance)

