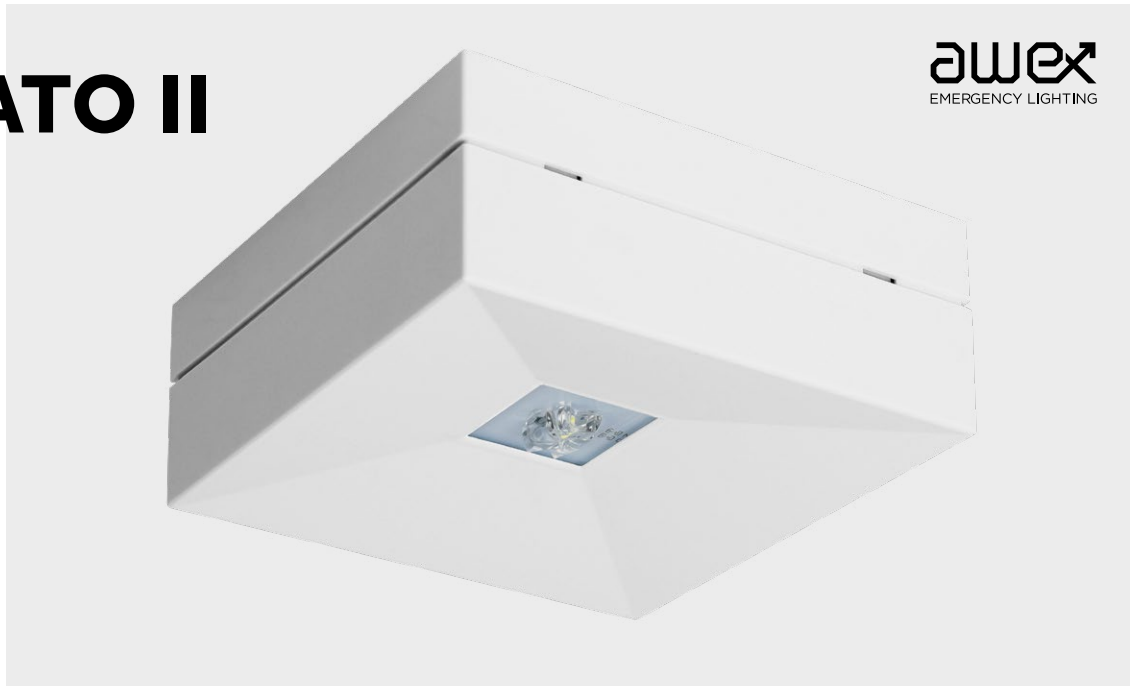


# LOVATO II

**awex**  
EMERGENCY LIGHTING



**AC**  
220-240V  
50-60Hz

**DC**  
176-275V

**DC**  
24V

**DC**  
48V

**LED**

**IP41**

**IK07**



KM 618355  
BS-EN 60598-2-22



## MATERIALS

White, grey or black polycarbonate body

## MOUNTING

Surface

## 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 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<sub>4</sub> 6,4V batteries

## INSULATION CLASS

II or III

## IP & IK RATING

IP41, IK07

## AMBIENT TEMPERATURE

**Self-contained:** t<sub>a</sub>: 0°C ÷ 40°C **Central battery:** t<sub>a</sub>: 0°C ÷ 50°C

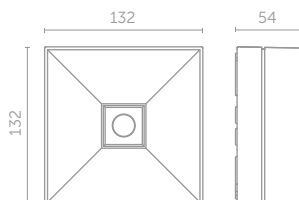
## OPTIONS

SE – non maintained • SA – maintained • AT – autotest • PT – manual test button • RU – Rubic UNA central monitoring • RW – Rubic UNA Wireless 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

## DIMENSIONS [mm]



**SELF-CONTAINED CONFIGURATION**

	CODE	POWER	MODULE	AUTONOMY [h]		MODE		OPTIONS			COLOR			
<b>STANDARD</b>	LV2R	1W	E C	1	3	SE	SA	PT	AT	X	WH	GR	BL	
	LV2U	2W	E C	1	3	SE	SA	PT	AT	X	WH	GR	BL	
	LV2O	3W	E C	1	3	SE	SA	PT	AT	X	WH	GR	BL	
	LV2A													
<b>PREMIUM</b>	LV2R	1W	B	1	3	SE	SA	AT	RU	RW	RD	WH	GR	BL
	LV2U	2W	B	1	3	SE	SA	AT	RU	RW	RD	WH	GR	BL
	LV2O	3W	B	1	3	SE	SA	AT	RU	RW	RD	WH	GR	BL
	LV2A	4W	B	1	3	SE	SA	AT	RU	RW	RD	WH	GR	BL

**OUTPUT IN EMERGENCY MODE [lm]**

	POWER	OUTPUT [lm]				
		LV2R	LV2U	LV2O	LV2C	LV2A
<b>STANDARD</b>	1W	175	175	175	180	175
	2W	280	290	290	270	300
	3W	400	410	410	390	405
<b>PREMIUM</b>	1W	185	185	185	190	185
	2W	330	350	350	320	350
	3W	460	460	460	460	460
	4W	550	550	550	550	550

**CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE**

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR		
LV2R	1W	F	CB	CBS	X	WH	GR	BL
LV2U	2W	F	CB	CBS	X	WH	GR	BL
LV2O	3W	F	CB	CBS	X	WH	GR	BL
LV2C								
LV2A								

**OUTPUT IN EMERGENCY MODE [lm]**

	POWER	OUTPUT [lm]				
		LV2R	LV2U	LV2O	LV2C	LV2A
1W	185	185	185	190	185	
2W	330	350	350	320	350	
3W	460	460	460	460	460	

**CENTRAL BATTERY CONFIGURATION – ADDRESSABLE**

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR		
LV2R LV2U LV2O LV2C LV2A	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

**OUTPUT IN EMERGENCY MODE [lm]**

	POWER	OUTPUT [lm]				
		LV2R	LV2U	LV2O	LV2C	LV2A
1W	185	185	185	190	185	
2W	330	350	350	320	350	
3W	460	460	460	460	460	
4W	550	550	550	550	550	

**FZLV SYSTEM CONFIGURATION**

CODE	POWER	SYSTEM		COLOR		
LV2R LV2U LV2O LV2C LV2A	1W	FZLV	FZLV2	WH	GR	BL
	2W	FZLV	FZLV2	WH	GR	BL
	3W	FZLV	FZLV2	WH	GR	BL
	4W		FZLV2	WH	GR	BL

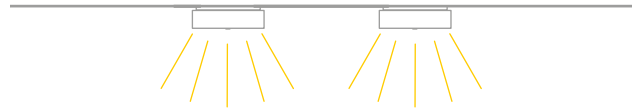
**OUTPUT IN EMERGENCY MODE [lm]**

	POWER	OUTPUT [lm]				
		LV2R	LV2U	LV2O	LV2C	LV2A
1W	185	185	185	190	185	
2W	330	350	350	320	350	
3W	460	460	460	460	460	
4W	550	550	550	550	550	

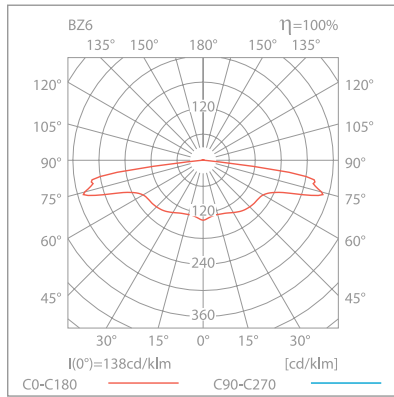
**LEGEND:**

LV2R	fixture LOVATO II with optics for escape route	F	electronic gear for central battery fittings	FZLV	central battery FZLV 24 VDC
LV2U	fixture LOVATO II with universal optics	Z	electronic gear for addressable central battery fittings	FZLV2	central battery FZLV II 48 VDC
LV2O	fixture LOVATO II with optics for open area	SE	non maintained	CB	central battery version
LV2C	fixture LOVATO II with optics for corridor	SA	maintained	CBS	central battery for circuit monitoring
LV2A	fixture LOVATO II with asymmetric optics	PT	manual test button	ADP	address module for CBS 1.0 – SMART technology
E, C	electronic gear for STANDARD self-contained fittings	X	fitting without additional options	ADE	address module for CBS 2.0 – SMART technology
B	electronic gear for PREMIUM self-contained fittings	AT	autotest	WH	white color
		RU	Rubic UNA central monitoring	GR	grey color
		RW	Rubic UNA Wireless central monitoring	BL	black color
		RD	DALI central monitoring		

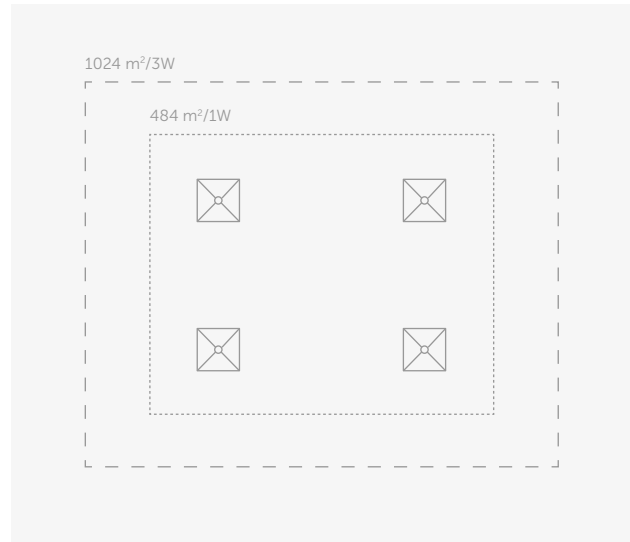
**LOVATO II EXAMPLE OF PHOTOMETRY**



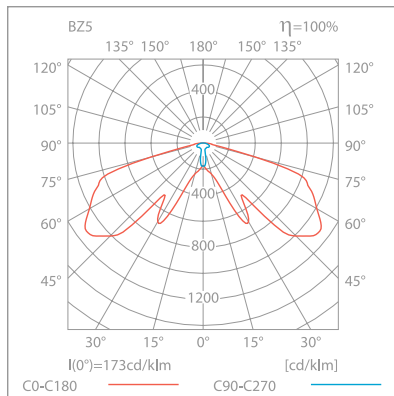
Optic O for open area



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



Optic C for corridor



simulation for two luminaires and min 1 lx (distance)

