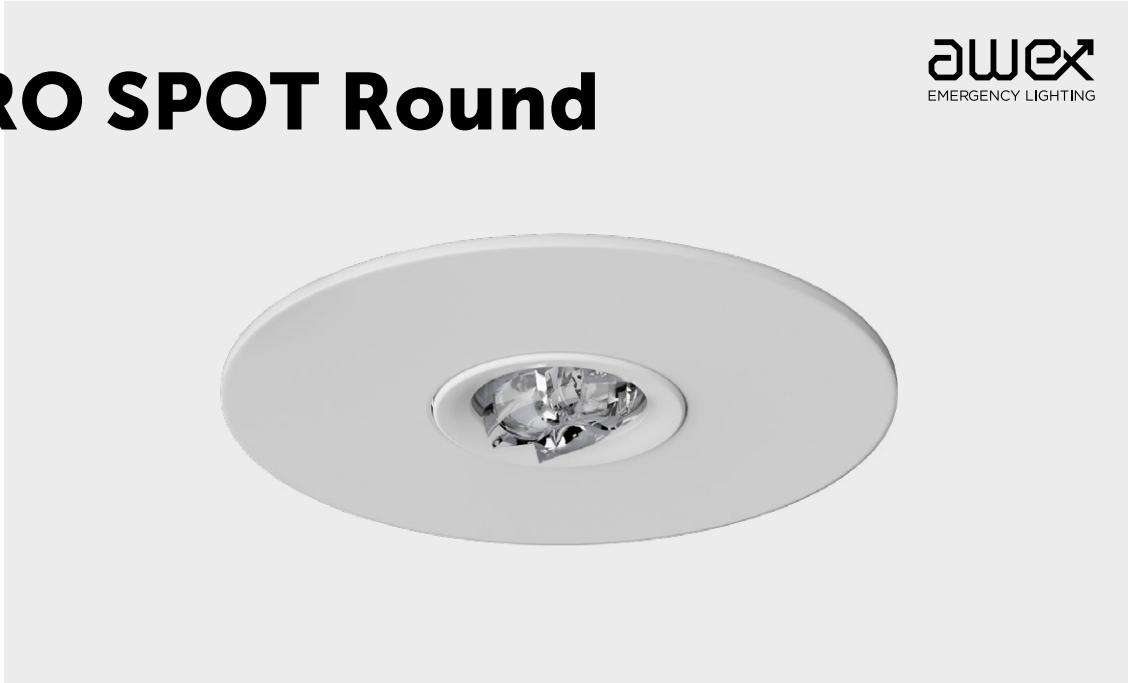


# MICRO SPOT Round



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

**DC**  
176-275V

**DC**  
24V

**DC**  
48V

**LED**  
**IP20**

**IK08**



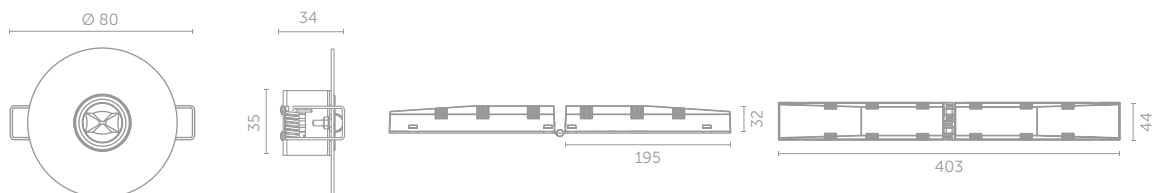
Ni-Cd

LiFePO<sub>4</sub>



<b>MATERIALS</b>	White, grey or black polycarbonate body Cover made of steel painted
<b>MOUNTING</b>	Recessed
<b>POWER SUPPLY</b>	Self contained – 220 - 240VAC/50 - 60Hz Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC Central battery FZLV II – 48VDC Central battery FZLV – 24VDC
<b>LIGHT SOURCE</b>	1W, 2W, 3W LED <b>Optics:</b> U – universal • R – escape route <b>Colour temperature:</b> 6000K <b>Lifetime:</b> 50000h
<b>CHARGING</b>	<b>Standard:</b> max. 24h <b>Premium:</b> max. 12h; energy-saving electronic charger
<b>AUTONOMY AND BATTERIES</b>	<b>Standard:</b> 1h or 3h, Ni-Cd 3,6V batteries <b>Premium:</b> 1h or 3h, LiFePO <sub>4</sub> 6,4V batteries
<b>INSULATION CLASS</b>	II or III
<b>IP &amp; IK RATING</b>	IP20, IK08
<b>AMBIENT TEMPERATURE</b>	<b>Self-contained:</b> t <sub>a</sub> : 0°C ÷ 40°C <b>Central battery:</b> t <sub>a</sub> : 0°C ÷ 50°C
<b>OPTIONS</b>	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
<b>ADDITIONAL INFORMATION</b>	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		
<b>STANDARD</b>	MTRU MTRR	1W	E C	1	3	SE	SA	AT	X	WH	GR	BL		
		2W	E C	1	3	SE	SA	AT	X	WH	GR	BL		
		3W	E C	1	3	SE	SA	AT	X	WH	GR	BL		
<b>PREMIUM</b>	MTRU MTRR	1W	B	1	3	SE	SA	AT	RU	RD	WH	GR	BL	
		2W	B	1	3	SE	SA	AT	RU	RD	WH	GR	BL	
		3W	B	1	3	SE	SA	AT	RU	RD	WH	GR	BL	

**OUTPUT IN EMERGENCY MODE [lm]**

	OUTPUT [lm]		
	POWER	MTRU	MTRR
<b>STANDARD</b>	1W	170	165
	2W	290	280
	3W	400	385
<b>PREMIUM</b>	1W	185	175
	2W	345	330
	3W	460	460

**CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE**

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR		
				CBS	X	WH	GR	BL
MTRU MTRR	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 [lm]**

	OUTPUT [lm]		
	POWER	MTRR	MTRR
1W	185	175	
2W	345	330	
3W	460	460	

**CENTRAL BATTERY CONFIGURATION – ADDRESSABLE**

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR		
				ADE	ADP	WH	GR	BL
MTRU MTRR	1W	Z	CB	ADE <td>ADP</td> <td>WH</td> <td>GR</td> <td>BL</td>	ADP	WH	GR	BL
	2W	Z	CB	ADE <td>ADP</td> <td>WH</td> <td>GR</td> <td>BL</td>	ADP	WH	GR	BL
	3W	Z	CB	ADE <td>ADP</td> <td>WH</td> <td>GR</td> <td>BL</td>	ADP	WH	GR	BL

**OUTPUT IN EMERGENCY MODE [lm]**

	OUTPUT [lm]		
	POWER	MTRR	MTRR
1W	185	175	
2W	345	330	
3W	460	460	

**FZLV SYSTEM CONFIGURATION**

CODE	POWER	SYSTEM		COLOR		
		FZLV	FZLV2	WH	GR	BL
MTRU MTRR	1W	FZLV	FZLV2	WH	GR	BL
	2W	FZLV	FZLV2	WH	GR	BL
	3W	FZLV	FZLV2	WH	GR	BL

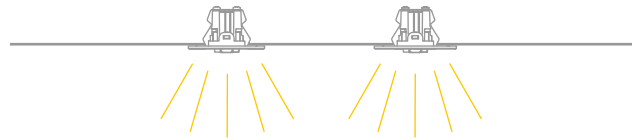
**OUTPUT IN EMERGENCY MODE [lm]**

	OUTPUT [lm]		
	POWER	MTRR	MTRR
1W	185	175	
2W	345	330	
3W	460	460	

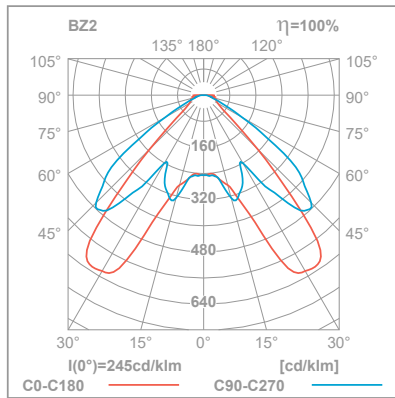
**LEGEND:**

MTRU	fixture MICRO SPOT round with optic for universal uses	AT	autotest
MTRR	fixture MICRO SPOT round with optics for escape route	RU	Rubic UNA central monitoring
E, C	electronic gear for STANDARD self-contained fittings	RD	DALI central monitoring
B	electronic gear for PREMIUM self-contained fittings	FZLV	central battery FZLV 24 VDC
F	electronic gear for central battery fittings	FZLV2	central battery FZLV II 48 VDC
Z	electronic gear for addressable central battery fittings	CB	central battery version
SE	non maintained	CBS	central battery for circuit monitoring
SA	maintained	ADP	address module for CBS 1.0 – SMART technology
X	fitting without additional options	ADE	address module for CBS 2.0 – SMART technology
		WH	white color
		GR	grey color
		BL	black color

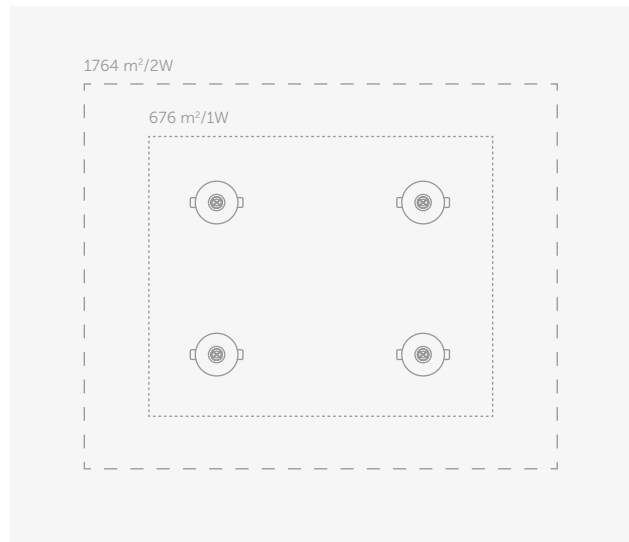
**MICRO SPOT ROUND EXAMPLE OF PHOTOMETRY**



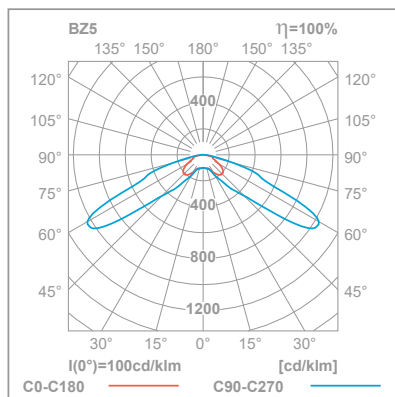
Optic U for universal uses



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



Optic R for escape route



simulation for two luminaires and min 1 lx (distance)

