

## EMERGENCY ESCAPE LIGHTING

### AXN

**MATERIALS:**

White polycarbonate body

**MOUNTING:**

Surface (wall, 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, 6W power LED

Optics

R – escape route

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

**INSULATION CLASS:**

II or III

**IP RATING:**

IP44 or IP65

**AMBIENT TEMPERATURE:**

t<sub>a</sub>: 0°C - +40°C

t<sub>a</sub>: -25°C ÷ 40°C – together with heater for low temperatures

**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

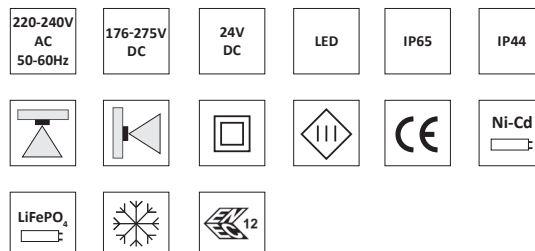
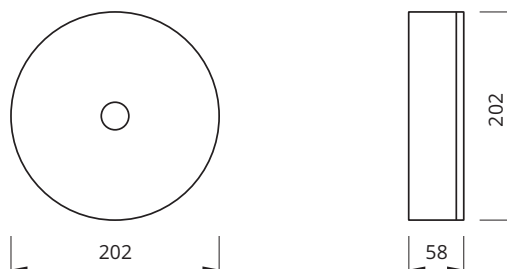
Deep discharge protection

Optional adaptation of the fixture for low temperatures up to -25°C

III class of insulation of FZLV version



**DIMENSIONS (mm):**



KM 618355  
BS-EN60592-2-22

\*\*current list of products with Kitemark and ENEC is available at [www.awex.eu](http://www.awex.eu)

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### SELF-CONTAINED CONFIGURATION

CODE	POWER	MODULE	AUTONOMY [h]		MODE	OPTIONS	
<b>BASIC</b>							
AXNR AXNU AXNA AXENR AXENU AXENA	1W	E	1	3	SE	PT	X
<b>STANDARD</b>							
AXNR AXNU AXNA AXENR AXENU AXENA	1W	C	1	3	SA	PT	X
AXNR AXNU AXNA AXENR AXENU AXENA	2W	C	1	3	SA	PT	X
AXNR AXNU AXNA AXENR AXENU AXENA	3W	C	1	3	SA	PT	X
<b>PREMIUM</b>							
AXNR AXNU AXNA AXENR AXENU AXENA	1W	B	1	3	SA	AT	RU
AXNR AXNU AXNA AXENR AXENU AXENA	2W	B	1	3	SA	AT	RU
AXNR AXNU AXNA AXENR AXENU AXENA	3W	B	1	3	SA	AT	RU
AXNR AXNU AXNA AXENR AXENU AXENA	6W*	B	1	3	SA	AT	RU

\*AVAILABLE WITH SE VERSION ONLY

### CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS
AXNR AXNU AXNA AXENR AXENU AXENA	1W	F	CB	CBS X
AXNR AXNU AXNA AXENR AXENU AXENA	2W	F	CB	CBS X
AXNR AXNU AXNA AXENR AXENU AXENA	3W	F	CB	CBS X
AXNR AXNU AXNA AXENR AXENU AXENA	6W	F	CB	CBS X

### CENTRAL BATTERY CONFIGURATION - ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS
AXNR AXNU AXNA AXENR AXENU AXENA	1W	Z	CB	ADE ADP
AXNR AXNU AXNA AXENR AXENU AXENA	2W	Z	CB	ADE ADP
AXNR AXNU AXNA AXENR AXENU AXENA	3W	Z	CB	ADE ADP
AXNR AXNU AXNA AXENR AXENU AXENA	6W	Z	CB	ADE ADP

### FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM
AXNR AXNU AXNA AXENR AXENU AXENA	1W	FZLV
AXNR AXNU AXNA AXENR AXENU AXENA	2W	FZLV
AXNR AXNU AXNA AXENR AXENU AXENA	3W	FZLV

### LEGEND:

AXNR – fixture AXN IP65 with optics for escape route  
 AXNU – fixture AXN IP65 with universal optics  
 AXNA – fixture AXN IP65 with asymmetric optics  
 AXENR – fixture AXN IP44 with optics for escape route  
 AXENU – fixture AXN IP44 with universal optics  
 AXENA – fixture AXN IP44 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

### OUTPUT IN EMERGENCY MODE

POWER	OUTPUT [lm]		
	AXNR	AXNU	AXNA
<b>BASIC</b>			
1W	130	130	120
<b>STANDARD</b>			
1W	140	140	130
2W	240	250	240
3W	350	360	345
<b>PREMIUM</b>			
1W	150	150	140
2W	260	270	260
3W	370	390	380
6W	600	620	580

### OUTPUT IN EMERGENCY MODE

POWER	OUTPUT [lm]		
	AXNR	AXNU	AXNA
1W	150	150	140
2W	260	270	260
3W	370	390	380
6W	600	620	580

### OUTPUT IN EMERGENCY MODE

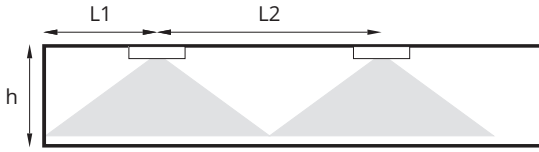
POWER	OUTPUT [lm]		
	AXNR	AXNU	AXNA
1W	150	150	140
2W	260	270	260
3W	370	390	380
6W	600	620	580

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1W	150	150	140
2W	260	270	260
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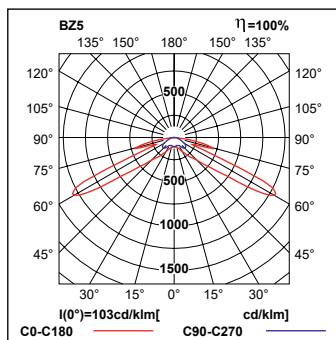
Photometry of AXN – AXNR, AXNU, AXNA



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



**AXNR – with optics for escape route**



**AXNR 1W (150lm) min. 1lx**

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

**AXNR 2W (250lm) min. 1lx**

h [m]	L1	L2
2,50	5,5	13,0
3,00	6,5	14,5
3,50	7,5	16,5
4,00	8,5	18,0
4,50	9,0	20,0
5,00	10,0	21,0

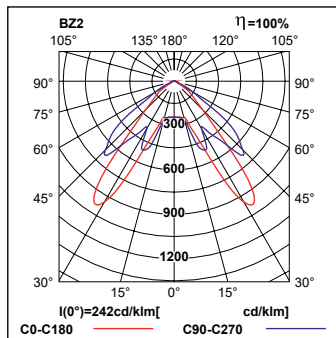
**AXNR 3W (370lm) min. 1lx**

h [m]	L1	L2
2,50	6,0	15,0
3,00	7,0	15,5
3,50	8,0	17,0
4,00	8,5	19,0
4,50	9,5	20,5
5,00	10,5	22,0
6,00	11,5	25,0

**AXNR 6W (600lm) min. 1lx**

h [m]	L1	L2
2,50	7,5	20,0
3,00	8,5	21,0
3,50	9,5	21,5
4,00	10,5	22,5
4,50	11,0	23,5
5,00	11,5	25,0
6,00	13,0	29,0

**AXNU – with universal optics**



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

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

**AXNU 2W (270lm) 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	10,0
4,50	5,0	11,0
5,00	5,0	11,0
6,00	5,5	11,0

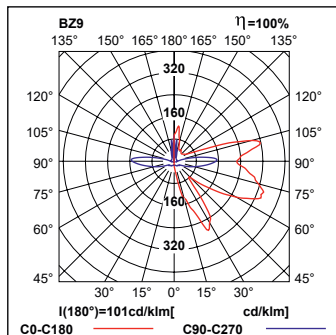
**AXNU 3W (390lm) min. 0,5lx**

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

**AXNU 6W (620lm) min. 0,5lx**

h [m]	L1	L2
2,50	4,0	8,5
3,00	4,0	9,5
3,50	4,5	10,5
4,00	5,0	11,0
4,50	5,5	12,0
5,00	6,0	13,0
6,00	7,0	14,0

**AXNA – with asymmetric optics**



**AXNA 1W (140lm) min. 1lx**

h [m]	L1	L2
2,50	2,5	10,0
3,00	2,5	8,5
3,50	2,0	7,5
4,00	1,5	7,0

**AXNA 2W (250lm) min. 1lx**

h [m]	L1	L2
2,50	5,0	13,0
3,00	4,0	12,5
3,50	3,5	12,0
4,00	3,5	10,0
4,50	3,0	9,0
5,00	3,0	8,0
6,00	2,0	7,0

**AXNA 3W (380lm) min. 1lx**

h [m]	L1	L2
2,50	6,0	16,5
3,00	5,0	17,0
3,50	4,5	17,0
4,00	4,0	16,0
4,50	3,5	14,5
5,00	3,0	14,0
6,00	2,5	12,0

**AXNA 6W (580lm) min. 1lx**

h [m]	L1	L2
2,50	7,5	19,5
3,00	7,5	20,5
3,50	7,0	21,0
4,00	6,0	21,0
4,50	5,5	21,0
5,00	5,0	20,0
6,00	4,5	16,0