

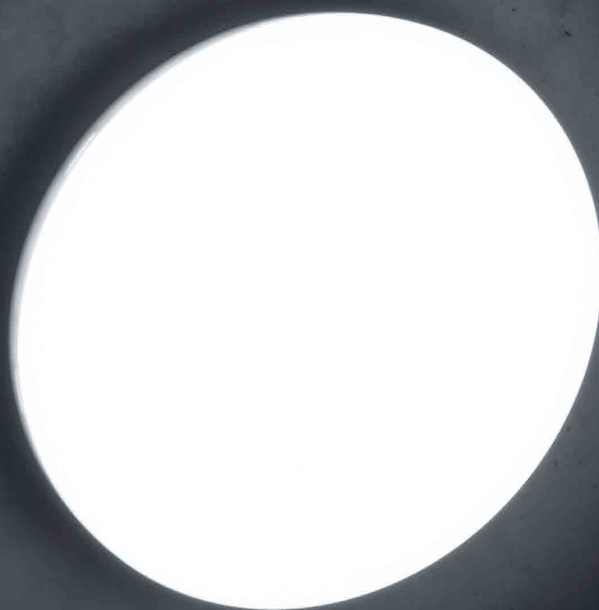
# EDGE

17.2



# EDGE FAMILY

The luminaires of the type EDGE R and EDGE S are new solutions with excellent lighting parameters, allowing utilization of one type of luminaire for use both in general lighting and emergency lighting. Application of the newest technologies has allowed to create a product that combines energy saving and longer life time. The development of the LED sector has allowed obtaining better light parameters in comparison with conventional light sources at much lower operating costs. Available wattages for mains versions are from 12W to 24W and for emergency versions from 1W to 3W.







**LUMINAIRE EDGE R**

White polycarbonate body

Opal cover

# EDGE R

This is a round version of the mains luminaires from the EDGE family. The use of different versions of the LED source allows for replacement of conventional luminaires with wattage from 80 to 150W. The design of the luminaire has been designed so as not to deviate from currently prevailing trends and to provide adequate light distribution.



**LUMINAIRE EDGE S**

White polycarbonate body  
Opal cover

# EDGE S

In order to meet the expectations set by our customers we have also designed a square version of the mains luminaire from the EDGE family.

Thanks to application of innovative solutions the luminaire meets energy requirements of the class A. The application of several wattage versions and two colours of light 4000K and 3000K allow using luminaires in offices as well as in the private sector.

**EDGE**  
DESIGNED  
FOR UNIVERSALITY IN MIND

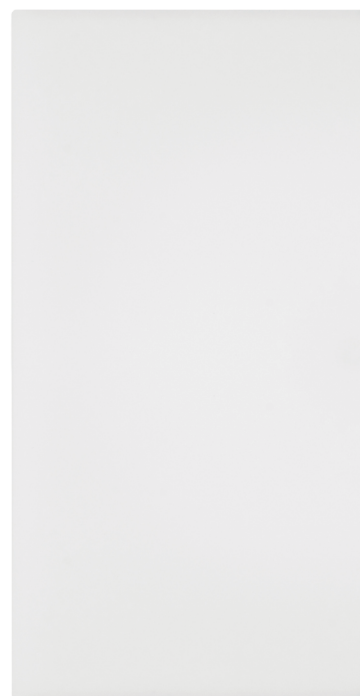
**EDGE R**





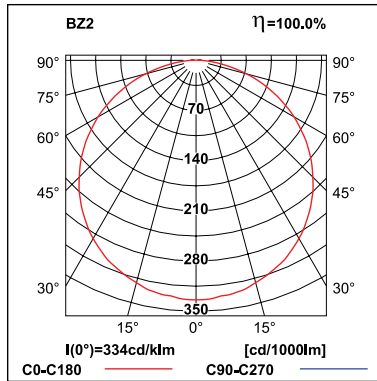


**EDGE S**

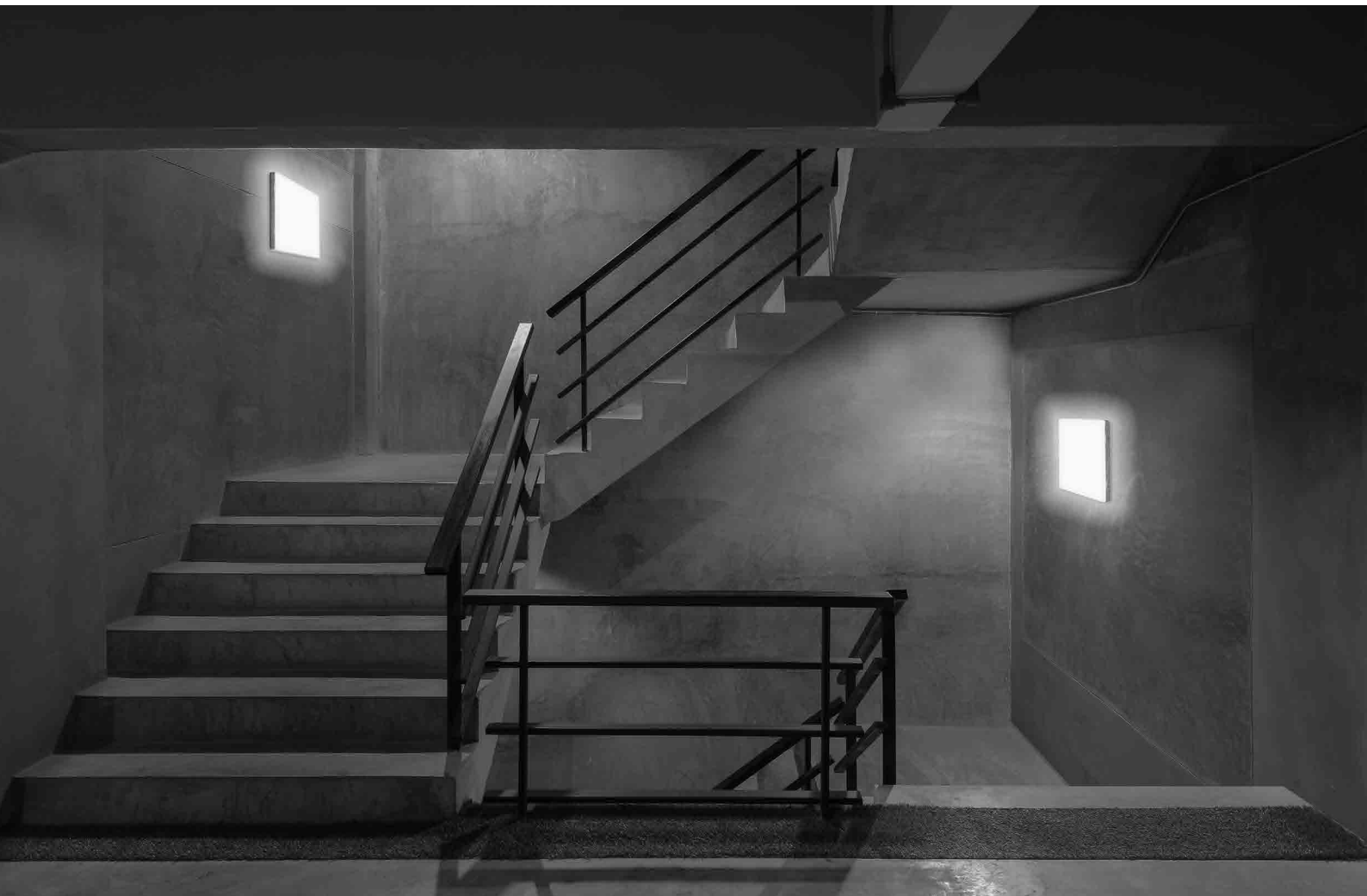
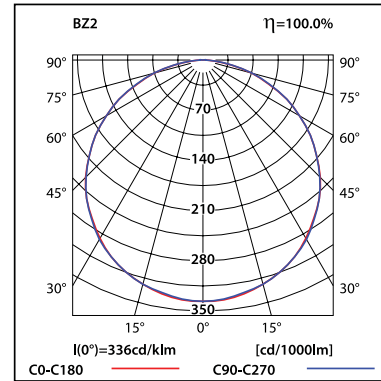


Parameters in mains operation:

EDGE R



EDGE S



## THE USE OF LUMINAIRES FROM THE EDGE SERIES

The EDGE luminaires have been designed in response to the needs of the lighting market. The previous installation solutions of emergency luminaires as separated devices in the ceiling space have often been a big problem. It has become difficult to match the design of applied basic lighting luminaires with emergency luminaires. Awex wanting to solve this problem has created a new type of luminaire which combines the functions of the emergency and basic lighting luminaire. The EDGE luminaires thanks to their newest technologies will find application in the most investments in lighting revitalization, especially in the private sector, investors decide to change technology to LED. In the coming years it is expected that the revitalization projects will increase fourfold.



## **EDGE**

### INSTALLING METHOD



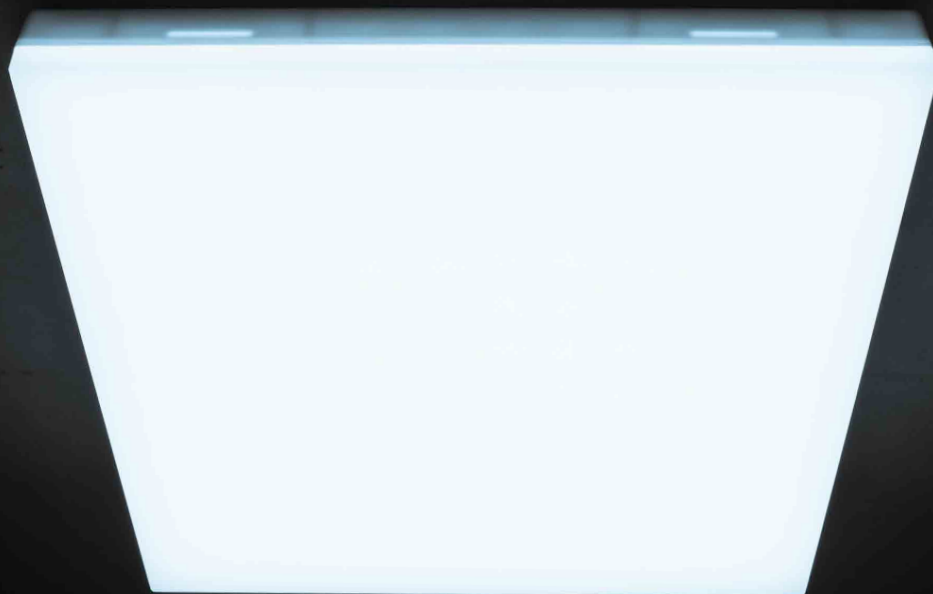
**INSTALLATION ON THE CEILING**



**INSTALLATION ON THE WALL**



**PENDANT INSTALLATION  
ON THE CEILING**



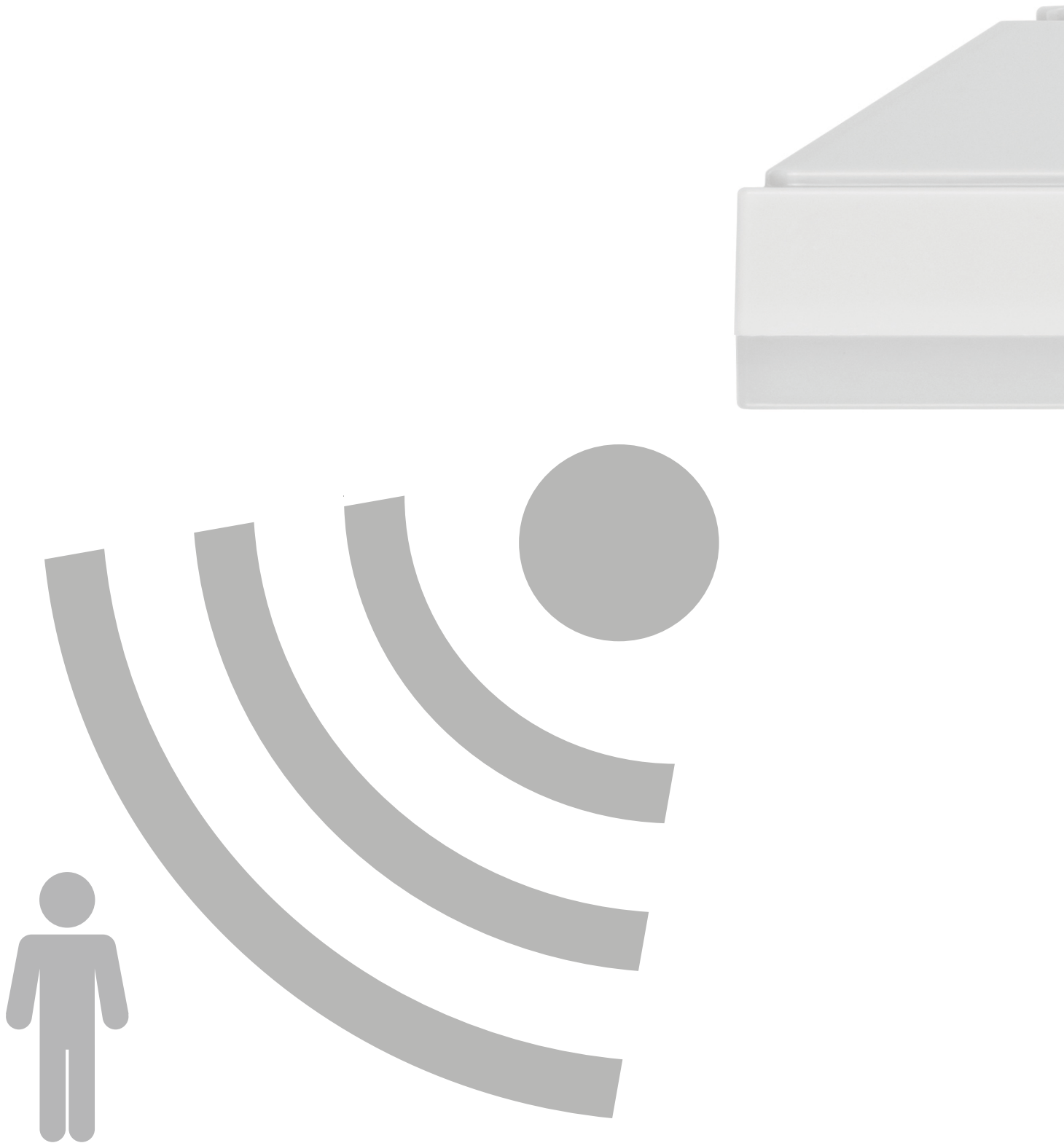
## MODULAR INSTALLATION

The EDGE family luminaires are characterized by universal and simple way of installing. The socket allows installation on the ceiling and on the wall without additional accessories. The big advantage of such solution is the quick installation. In the first place the socket is mounted to the surface. Then it takes place connection of wires with a set of connectors. The final stage is to mount the shed to the previously prepared socket. The use of one socket allowed preparing a universal tubular grip for mounting EDGE luminaires to the ceiling.



## **EDGE**

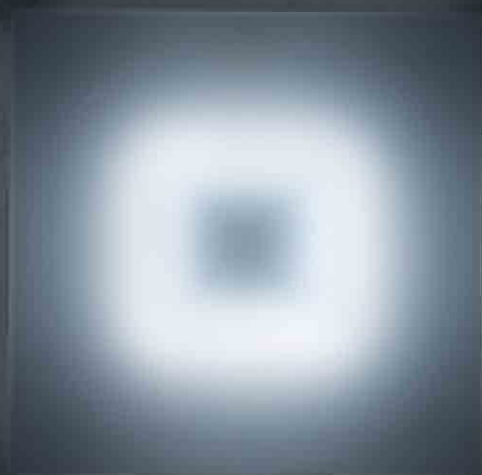
BUILT-IN MOTION SENSOR





The AWEX company's products meet the requirements set by contemporary trends. The application of microwave motion sensor makes it easier for people with disabilities to move around the premises. Detection of the movement near the luminaire causes its activation without human intervention. An additional benefit resulting from the use of motion sensor is energy saving. Which nowadays is one of the main aspects taken into account when choosing the right lighting?

The luminaires from the EDGE family combine the function of the luminaire of the basic and emergency lighting. The specially separated emergency section provides adequate light distribution and gives the luminaire a modern appearance through its shape. The application of the 6500K light color allows to obtain higher light efficiency. There is also the possibility of using of emergency section for continuous operation as night lighting.







# EDGE R

## MATERIALS:

White polycarbonate body  
Opal polycarbonate cover

## MOUNTING:

Surface (wall, ceiling)  
Optionally pendant\* (ceiling)

## POWER SUPPLY:

Self contained - 220÷240VAC/50÷60Hz  
Central battery - 220÷240VAC/50÷60Hz; 176 - 275VDC

## LIGHT SOURCE LED - MAINS OPERATION:

Power: 12W, 18W, 24W  
Color Temperature: 3000K, 4000K

## LIGHT SOURCE LED - EMERGENCY OPERATION:

Power: 1W to 3W  
Color Temperature: 6500K

## CHARGING:

BASIC: max. 24h  
PREMIUM: max. 12h; energy efficient charging system

## AUTONOMY AND BATTERIES:

BASIC: 1h or 3h, battery Ni-Cd 3,6V  
PREMIUM: 1h or 3h, battery LiFePO<sub>4</sub> 6,4V

## INSULATION CLASS:

II

## IP RATING:

IP54

## AMBIENT TEMPERATURE:

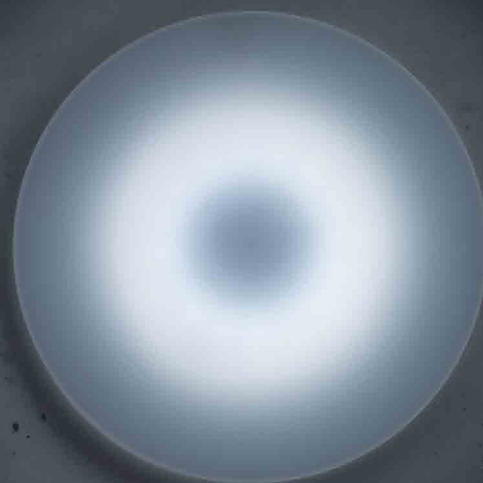
t<sub>a</sub>: 0°C÷40°C

## OPTIONS:

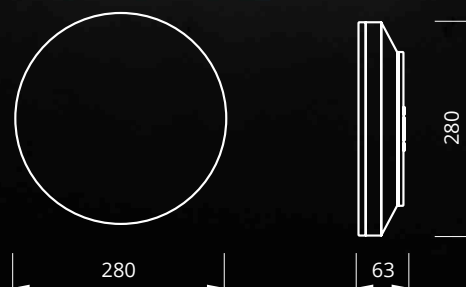
SE - LED emergency section - non maintained  
SA - LED emergency section - maintained (night lighting)  
AT - autotest  
PT - manual test button  
RU - Rubic UNA central monitoring  
RW - Rubic UNA Wireless central monitoring  
CB - central battery

## ADDITIONAL INFORMATION:

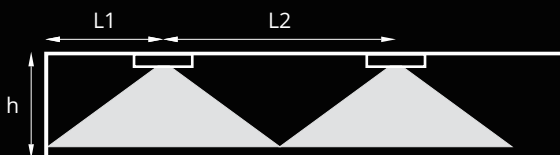
LED indicator signalizes mains power supply and battery charging  
Deep discharge protection  
Optional fixtures with MCR motion sensor.  
Possibility of using the emergency section for continuous operation as night lighting.  
\*requires an accessory for pendant mounting



## Dimensions (mm):



## Parameters in emergency operation:



L1 - distance of the luminaire from the wall  
L2 - distance between luminaires  
h - height

Edge R 3W (305lm) min.0,5lx			Edge R 3W (305lm) min.1lx in axis		
h[m]	L1	L2	h[m]	L1	L2
2,5	3,5	10,5	2,5	4	10,5
3,0	4	12	3,0	4,5	11
3,5	3,5	12,5	3,5	4,5	11,5
4,0	3,5	13	4,0	4,5	12
5,0	4	15	5,0	5	13
6,0	4	16	6,0	5	13,5



MAINS MODE CONFIGURATION												MAINS MODE				
CODE	DETECTION		COLOR TEMPERATURE										CODE	OUTPUT [lm]		
					3000K	4000K										
EDRE12	WH	WS	3000	4000									EDRE12	1295	1390	
EDRE18	WH	WS	3000	4000									EDRE18	2020	2170	
EDRE24	WH	WS	3000	4000									EDRE24	2405	2585	
SELF-CONTAINED CONFIGURATION												EMERGENCY MODE				
CODE	POWER*	MODULE	AUTONOMY [h]		MODE		OPTION		DETECTION		COLOR TEMPERATURE		POWER*	OUTPUT [lm]		
BASIC																
EDRE12	1W	E	1	3	SE	PT	AT		WH	WS	3000	4000	1W	105		
EDRE18	3W	E	1		SE	PT	AT		WH	WS	3000	4000	3W	275		
EDRE24																
PREMIUM																
EDRE12	3W	B	1	3	SA	SE	PT	AT	RW	RU	WH	WS	3000	4000	3W	305
EDRE18																
EDRE24																
CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE												CENTRAL BATTERY MODE				
CODE	POWER*	MODULE	SYSTEM	OPTION		DETECTION		COLOR TEMPERATURE		POWER*	OUTPUT [lm]					
											3000K	4000K	6500K			
EDRE12	1W	F	CB	CBS	X	WH	3000	4000	1W	X	X	110				
EDRE18	3W	F	CB	CBS	X	WH	3000	4000	3W	X	X	305				
EDRE24																
EDRE12	12W	X	CB	CBS	X	WH	3000	4000	12W	1295	1390	X				
EDRE18	18W	X	CB	CBS	X	WH	3000	4000	18W	2020	2170	X				
EDRE24	24W	X	CB	CBS	X	WH	3000	4000	24W	2405	2585	X				
CENTRAL BATTERY CONFIGURATION - ADDRESSABLE												CENTRAL BATTERY MODE				
CODE	POWER*	MODULE	SYSTEM	OPTION		DETECTION		COLOR TEMPERATURE		POWER*	OUTPUT [lm]					
											3000K	4000K	6500K			
EDRE12	1W	Z	CB	ADP	WH	WS	3000	4000	1W	X	X	110				
EDRE18	3W	Z	CB	ADP	WH	WS	3000	4000	3W	X	X	305				
EDRE24																
EDRE12	12W	X	CB	ADS	WH	WS	3000	4000	12W	1295	1390	X				
EDRE18	18W	X	CB	ADS	WH	WS	3000	4000	18W	2020	2170	X				
EDRE24	24W	X	CB	ADS	WH	WS	3000	4000	24W	2405	2585	X				

**LEGEND:**  
B - electronic gear for PREMIUM self-contained fittings  
E - electronic gear for BASIC self-contained fittings  
F - electronic gear for central battery fittings  
Z - electronic gear for addressable central battery fittings  
ADS - central battery with ADS address module - SMART technology  
ADP - central battery with ADP address module - SMART technology  
SE - LED emergency section - non maintained  
SA - LED emergency section - maintained (night lighting)  
AT - autotest  
PT - manual test button  
RU - RUBIC UNA central monitoring system  
RW - RUBIC UNA Wire Less central monitoring system  
CB - central battery system  
CBS - central battery for circuit monitoring  
WH - fitting without motion sensor MCR  
WS - fitting with motion sensor MCR  
3000 - LED color temperature K  
4000 - LED color temperature K  
6500 - LED color temperature K  
EDRE12 - fitting EDGE R 12W in maintained mode  
EDRE18 - fitting EDGE R 18W in maintained mode  
EDRE24 - fitting EDGE R 24W in maintained mode  
\* - power in emergency mode

# EDGE S

## MATERIALS:

White polycarbonate body  
Opal polycarbonate cover

## MOUNTING:

Surface (wall, ceiling)  
Optionally pendant\* (ceiling)

## POWER SUPPLY:

Self contained - 220÷240VAC/50÷60Hz  
Central battery - 220÷240VAC/50÷60Hz; 176 - 275VDC

## LIGHT SOURCE LED - MAINS OPERATION:

Power: 12W, 18W, 24W  
Color Temperature: 3000K, 4000K

## LIGHT SOURCE LED - EMERGENCY OPERATION:

Power: 1W to 3W  
Color Temperature: 6500K

## CHARGING:

BASIC: max. 24h  
PREMIUM: max. 12h; energy efficient charging system

## AUTONOMY AND BATTERIES:

BASIC: 1h or 3h, battery Ni-Cd 3,6V  
PREMIUM: 1h or 3h, battery LiFePO<sub>4</sub> 6,4V

## INSULATION CLASS:

II

## IP RATING:

IP54

## AMBIENT TEMPERATURE:

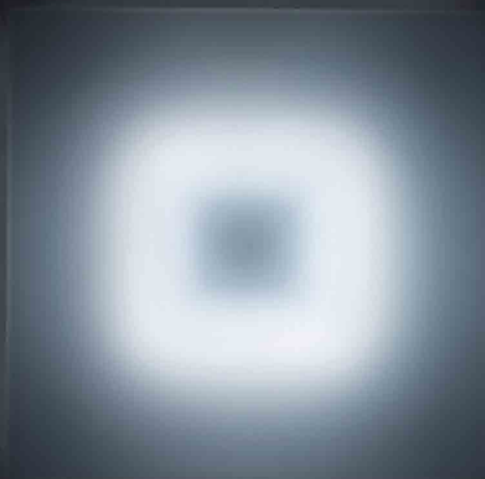
t<sub>a</sub>: 0°C÷40°C

## OPTIONS:

SE - LED emergency section - non maintained  
SA - LED emergency section - maintained (night lighting)  
AT - autotest  
PT - manual test button  
RU - Rubic UNA central monitoring  
RW - Rubic UNA Wireless central monitoring  
CB - central battery

## ADDITIONAL INFORMATION:

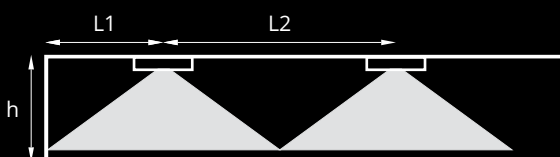
LED indicator signalizes mains power supply and battery charging  
Deep discharge protection  
Optional fixtures with MCR motion sensor.  
Possibility of using the emergency section for continuous operation as night lighting.  
\*requires an accessory for pendant mounting



## Dimensions (mm):



## Parameters in emergency operation:



L1 - distance of the luminaire from the wall  
L2 - distance between luminaires  
h - height

Edge S 3W (315lm) min.0,5lx			Edge S 3W (315lm) min.1lx in axis		
h[m]	L1	L2	h[m]	L1	L2
2,5	3,5	10,5	2,5	4	10,5
3,0	4	12	3,0	4,5	11
3,5	3,5	12,5	3,5	4,5	11,5
4,0	3,5	13	4,0	4,5	12
5,0	4	15	5,0	5	13
6,0	4	16	6,0	5	13,5



MAINS MODE CONFIGURATION				
CODE	DETECTION		COLOR TEMPERATURE	
EDSE12	WH	WS	3000	4000
EDSE18	WH	WS	3000	4000
EDSE24	WH	WS	3000	4000

MAINS MODE		
CODE	OUTPUT [lm]	
	3000K	4000K
EDSE12	1325	1425
EDSE18	2080	2235
EDSE24	2500	2690

SELF-CONTAINED CONFIGURATION														
CODE	POWER*	MODULE	AUTONOMY [h]		MODE		OPTION		DETECTION		COLOR TEMPERATURE			
BASIC														
EDSE12	1W	E	1	3	SE	PT	AT		WH	WS	3000	4000		
EDSE18														
EDSE24	3W	E	1		SE	PT	AT		WH	WS	3000	4000		
PREMIUM														
EDSE12	3W	B	1	3	SA	SE	PT	AT	RW	RU	WH	WS	3000	4000
EDSE18														
EDSE24														

EMERGENCY MODE	
POWER*	OUTPUT [lm]
BASIC	
1W	105
3W	280
PREMIUM	
3W	315

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE								
CODE	POWER*	MODULE	SYSTEM	OPTION		DETECTION		COLOR TEMPERATURE
EDSE12	1W	F	CB	CBS	X	WH		3000 4000
EDSE18								
EDSE24	3W	F	CB	CBS	X	WH		3000 4000
EDSE12	12W	X	CB	CBS	X	WH		3000 4000
EDSE18	18W	X	CB	CBS	X	WH		3000 4000
EDSE24	24W	X	CB	CBS	X	WH		3000 4000

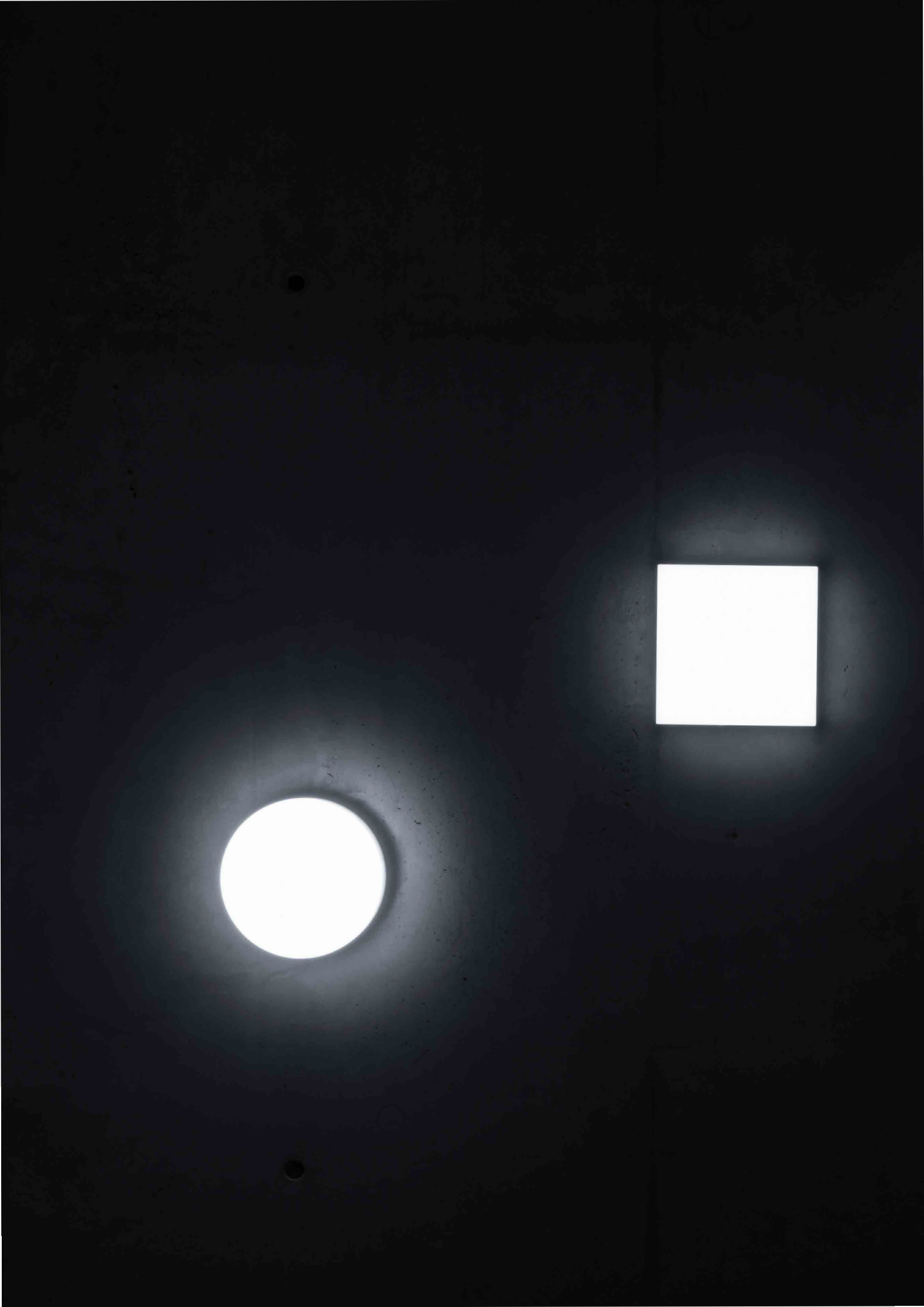
CENTRAL BATTERY MODE			
POWER*	OUTPUT [lm]		
	3000K	4000K	6500K
1W	X	X	115
3W	X	X	315
12W	1325	1425	X
18W	2080	2235	X
24W	2500	2690	X

CENTRAL BATTERY CONFIGURATION - ADDRESSABLE								
CODE	POWER*	MODULE	SYSTEM	OPTION		DETECTION		COLOR TEMPERATURE
EDSE12	1W	Z	CB	ADP		WH	WS	3000 4000
EDSE18								
EDSE24	3W	Z	CB	ADP		WH	WS	3000 4000
EDSE12	12W	X	CB	ADS		WH	WS	3000 4000
EDSE18	18W	X	CB	ADS		WH	WS	3000 4000
EDSE24	24W	X	CB	ADS		WH	WS	3000 4000

CENTRAL BATTERY MODE			
POWER*	OUTPUT [lm]		
	3000K	4000K	6500K
1W	X	X	115
3W	X	X	315
12W	1325	1425	X
18W	2080	2235	X
24W	2500	2690	X

**LEGEND:**

B - electronic gear for PREMIUM self-contained fittings  
 E - electronic gear for BASIC self-contained fittings  
 F - electronic gear for central battery fittings  
 Z - electronic gear for addressable central battery fittings  
 ADS - central battery with ADP address module - SMART technology  
 ADP - central battery with ADP address module - SMART technology  
 SE - LED emergency section - non maintained  
 SA - LED emergency section - maintained (night lighting)  
 PT - manual test button  
 AT - autotest  
 RU - RUBIC UNA central monitoring system  
 RW - RUBIC UNA Wire Less central monitoring system  
 CB - central battery system  
 CBS - central battery for circuit monitoring  
 WH - fitting without motion sensor MCR  
 WS - fitting with motion sensor MCR  
 3000 - LED color temperature K  
 4000 - LED color temperature K  
 6500 - LED color temperature K  
 EDSE12 - fitting EDGE S 12W in maintained mode  
 EDSE18 - fitting EDGE S 18W in maintained mode  
 EDSE24 - fitting EDGE S 24W in maintained mode  
 \* - power in emergency mode







**AWEX Sp. z o.o. Spółka komandytowa**

Masłomiąca, ul. Długa 39, 32-091 Michałowice, Poland

tel. +48 12 681 55 00 | fax. +48 12 681 55 22 | e-mail: [export@awex.eu](mailto:export@awex.eu) | [www.awex.eu](http://www.awex.eu)