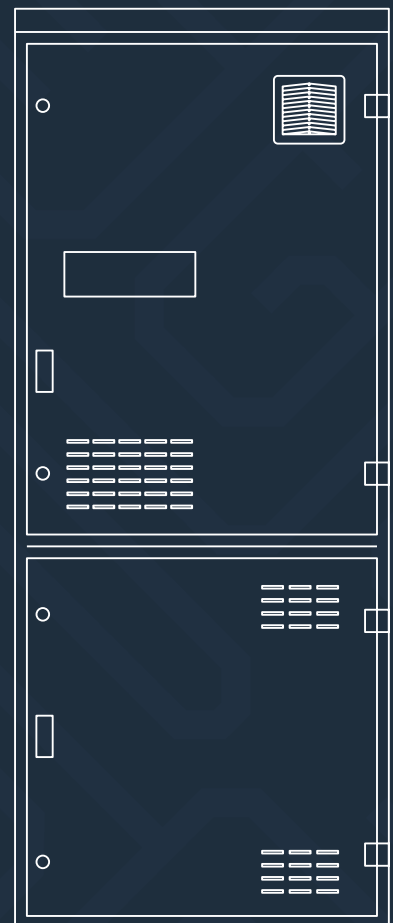
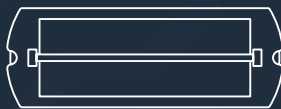
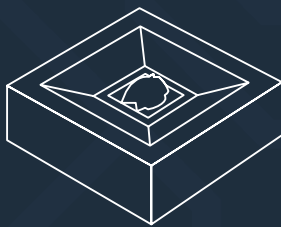


GENERAL CATALOG

VER. 16.1





Awex brand has been existing in the emergency lighting sector since 2002, invariably fulfilling its clearly defined mission: top-quality state-of-the-art products and customer satisfaction. We offer the full range of emergency lighting devices in compliance with all the European standards. Within 10 years of our market presence, we gained the leading position in the industry thanks to the involvement of knowledge, means, cooperation with best specialists, including research facilities, and investments in innovative projects. Awex means the latest technologies, experienced team of designers and engineers, top quality, reliable equipment, diversity of offer, unique design, unlimited productivity and unblemished reputation supported by references. The biggest award is satisfied and trusted customers. We also enjoy the recognition of independent experts. We were awarded the title of the "Export Leader 2006" for our business volume, and the Puls Biznesu awarded us twice with the "Business Gazelles" prize as one of the most dynamically developing companies in Poland.

PROFESSIONAL PERSONNEL

We employ the best specialists in many different fields for whom we ensure constant improvement in qualifications by specialist trainings. The company's design department provides flexible design of individual orders and the team of highly qualified engineers ensures continuous technological progress of offered equipment. The use of modern information flow methods within the company ensures that the offer and functionality of products is updated on an ongoing basis. The efficient project management allows building permanent and trust-based relationships with customers.

INVESTMENTS

We use the latest world technologies to guarantee quality, precise workmanship, optimised technological process, and work ergonomics. We invest time and means so that every stage of manufacturing our products contributes to meeting any expectations of our customers.

TESTS

The research and development works ensure that our offer is constantly updated according to development trends in the industry, and thus we can supply the most modern, multifunctional and technologically advanced products.

WE TAKE CARE OF THE ENVIRONMENT

We offer the environment-friendly products and the manufacturing process meets strict EU standards.

QUALITY WARRANTY

With the aim of fulfilling the company's mission, we implemented the quality management system according to EN ISO 9001:2008, and the certificate issued by TÜV NORD ensures top quality of design, manufacture, assembly and servicing of emergency lighting equipment.



TABLE OF CONTENTS

EMERGENCY ESCAPE LIGHTING	5	SCREEN	92
EXIT	6	SCREEN DS	94
ARROW N	9	EMX	96
ARROW P	12	QUADRO	97
LOVATO 2	15	EMERGENCY CONVERSION KITS	99
LOVATO P	18	NEXT & NEXT AUTOTEST	100
AXN	21	LIDER PLUS & LIDER PLUS AUTOTEST	101
AXP	24	LIN	102
EYE LED ROUND	27	LINEX & LINEX AUTOTEST	103
EYE LED SQUARE	30	UNILED BM	104
SPY	33	UNILED GU10	105
HELIOS LED	36	UNILED UM	106
HELIOS	39	SYSTEMS	109
EMX	41	RUBIC UNA	110
TIGER LED	42	RUBIC MINI UNA	111
TIGER	44	CENTRAL BATTERY SYSTEM FZLV	112
PANORAMA & PANORAMA LED	45	CENTRAL BATTERY SYSTEM LPS	114
OUTDOOR LED	47	CENTRAL BATTERY SYSTEM CBS	116
SK-8	49	THE SMART VISIO PLATFORM	118
INFINITY II B	51	ADDITIONAL COMPONENTS	121
SQUARE	53	HTR 25 - HEATER WITH	
TWISTER	54	THERMOSTAT FOR LOW TEMPERATURE	122
HERMETICA	55	ACCESSORIES	123
JOBLED	57	BATTERIES	125
EMERGENCY EXIT SIGNS	59	PICTOGRAMS	126
ARROW N	60	INFORMATION FOR READERS	84
ARROW P	62	USED SYMBOLS	127
EXIT	64		
INFINITY II AW	66		
INFINITY II AC & INFINITY II AL	68		
INFINITY II B	70		
SK-8	72		
TWINS	74		
ESCAPE & ESCAPE LED	76		
HELIOS & HELIOS LED	78		
HELIOS DS & HELIOS DS LED	80		
HELIOS P & HELIOS P LED	82		
TIGER & TIGER LED	84		
TIGER DS & TIGER DS LED	86		
TIGER P & TIGER P LED	88		
PANORAMA & PANORAMA LED	90		



EMERGENCY ESCAPE LIGHTING

EXIT	6	INFINITY II B	51
ARROW N	9	SQUARE	53
ARROW P	12	TWISTER	54
LOVATO 2	15	HERMETICA	55
LOVATO P	18	JOBLED	57
AXN	21		
AXP	24		
EYE LED ROUND	27		
EYE LED SQUARE	30		
SPY	33		
HELIOS LED	36		
HELIOS	39		
EMX	41		
TIGER LED	42		
TIGER	44		
PANORAMA & PANORAMA LED	45		
OUTDOOR LED	47		
SK-8	49		



EXIT



ARROW N



ARROW P



LOVATO 2



LOVATO P



AXN



AXP



EYE LED
ROUND



EYE LED
SQUARE



SPY



HELIOS LED



HELIOS



EMX



TIGER LED



TIGER



PANORAMA &
PANORAMA
LED



OUTDOOR LED



SK-8



INFINITY II B



SQUARE



TWISTER



HERMETICA



JOB LED

EMERGENCY ESCAPE LIGHTING

EXIT

MATERIALS:

White polycarbonate body
Transparent polycarbonate cover

MOUNTING:

Surface (wall, ceiling)
Optionally recessed** (wall, ceiling)
Optionally pendant*** (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 LED

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, Ni-MH 4,8V batteries or LiFePO₄ 6,4V*
*optional

INSULATION CLASS:

II or III

IP RATING:

IP65

AMBIENT TEMPERATURE:

t_a: 0°C ÷ 40°C
t_a: -25°C ÷ 40°C – together with heater for low temperatures

OPTIONS:

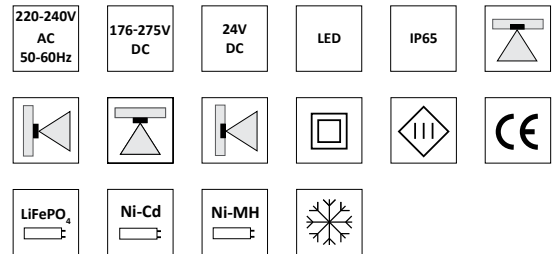
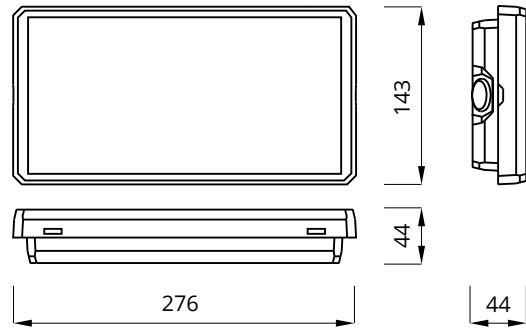
SE – non maintained
SA – maintained
PT – manual test button
AT – autotest
RU – Rubic UNA central monitoring
FZLV – central battery FZLV 24VDC
CB – central battery

ADDITIONAL INFORMATION:

LED indicator signalizes mains power supply and battery charging
Deep discharge protection
Optional adaptation of the fixture for low temperatures up to -25°C
III class of insulation of FZLV version
**requires an accessory for recessed mounting
***requires an accessory for pendant mounting

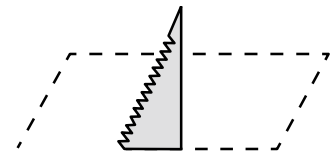


DIMENSIONS (mm):



RECESSING CUT (mm):

- wall
- ceiling



125 x 260

EMERGENCY ESCAPE LIGHTING

SELF-CONTAINED CONFIGURATION

CODE	POWER	MODULE	AUTONOMY [h]		MODE	OPTIONS	COLOR		
BASIC									
ETE	1W	E	1	3	SE	PT X	WH	GR	BL
STANDARD									
ETE	1W	C	1	3	SA	PT X	WH	GR	BL
ETE	2W	C	1	3	SA	PT X	WH	GR	BL
ETE	3W	C	1	3	SA	PT X	WH	GR	BL
PREMIUM									
ETE	1W	B	1	3	SA	AT RU	WH	GR	BL
ETE	2W	B	1	3	SA	AT RU	WH	GR	BL
ETE	3W	B	1	3	SA	AT RU	WH	GR	BL

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS	COLOR		
ETE	1W	F	CB	CBS X	WH	GR	BL
ETE	2W	F	CB	CBS X	WH	GR	BL
ETE	3W	F	CB	CBS X	WH	GR	BL

CENTRAL BATTERY CONFIGURATION - ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS	COLOR		
ETE	1W	Z	CB	ADE ADP	WH	GR	BL
ETE	2W	Z	CB	ADE ADP	WH	GR	BL
ETE	3W	Z	CB	ADE ADP	WH	GR	BL

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM	COLOR		
ETE	1W	FZLV	WH	GR	BL
ETE	2W	FZLV	WH	GR	BL
ETE	3W	FZLV	WH	GR	BL

OUTPUT IN EMERGENCY MODE

POWER	OUTPUT [lm]
BASIC	
1W	120
STANDARD	
1W	125
2W	250
3W	320
PREMIUM	
1W	130
2W	270
3W	350

OUTPUT IN EMERGENCY MODE

POWER	OUTPUT [lm]
1W	130
2W	270
3W	350

OUTPUT IN EMERGENCY MODE

POWER	OUTPUT [lm]
1W	130
2W	270
3W	350

OUTPUT IN EMERGENCY MODE

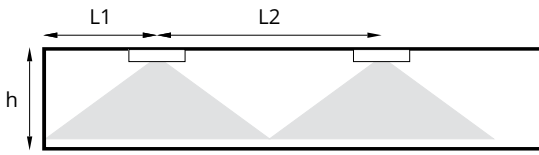
POWER	OUTPUT [lm]
1W	130
2W	270
3W	350

LEGEND:

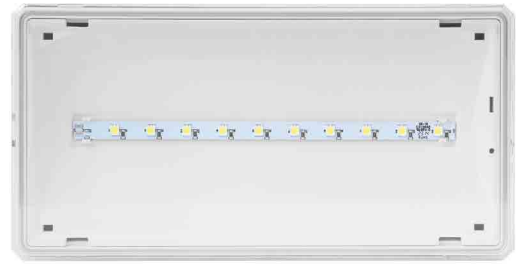
- ETE – fitting EXIT IP65
- E – electronic gear for BASIC self-contained fittings
- C – electronic gear for STANDARD self-contained fittings
- B – electronic gear for PREMIUM self-contained fittings
- F – electronic gear for central battery fittings
- Z – electronic gear for addressable central battery 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 system
- CB – central battery version
- CBS – central battery for circuit monitoring
- ADE – central battery with ADE address module
- ADP – central battery with ADP address module – SMART technology
- FZLV – central battery FZLV 24 VDC
- WH – white color
- GR – grey color
- BL – black color

EMERGENCY ESCAPE LIGHTING

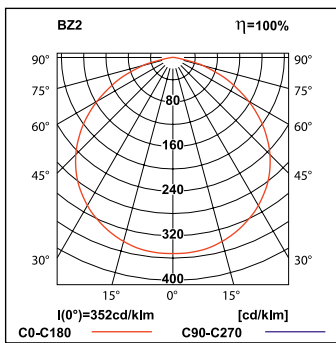
Photometry of EXIT – ETE



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



ETE – LED 1W



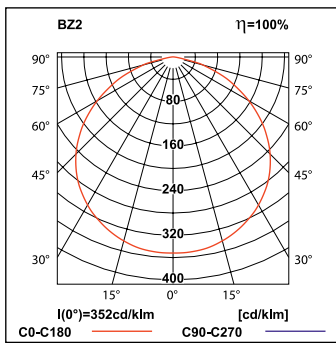
ETE 1W (130lm) min. 1lx

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

ETE 1W (130lm) min. 0,5lx

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

ETE – LED 2W



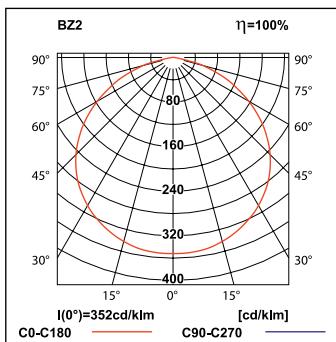
ETE 2W (270lm) min. 1lx

h [m]	L1	L2
2,50	4,5	10,5
3,00	4,0	11,5
3,50	4,0	12,0
4,00	4,5	12,5
4,50	4,5	13,5
5,00	4,5	14,0
6,00	4,5	15,0
7,00	5,0	15,5
8,00	4,5	15,5
9,00	4,0	15,0
10,00	3,5	14,5

ETE 2W (270lm) min. 0,5lx

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

ETE – LED 3W



ETE 3W (350lm) min. 1lx

h [m]	L1	L2
2,50	4,5	10,5
3,00	4,0	11,5
3,50	5,0	12,5
4,00	5,0	13,5
4,50	5,0	13,5
5,00	5,5	14,0
6,00	5,5	15,0
7,00	5,5	15,5
8,00	5,0	15,5
9,00	4,5	15,0
10,00	3,5	15,0

ETE 3W (350lm) min. 0,5lx

h [m]	L1	L2
2,50	4,0	11,0
3,00	4,0	11,5
3,50	4,5	13,0
4,00	4,5	14,0
4,50	4,5	14,5
5,00	4,5	15,5
6,00	5,0	16,5
7,00	5,5	18,0
8,00	5,5	18,5
9,00	5,0	19,5
10,00	4,5	20,5

EMERGENCY ESCAPE LIGHTING

ARROW N

MATERIALS:

White, grey or black polycarbonate body
Transparent polycarbonate cover

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 LED
3x1W power LED
S – without optics
O – open area
C – escape route

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, Ni-MH 4,8V batteries or LiFePO₄ 6,4V*
*optional

INSULATION CLASS:

II or III

IP RATING:

IP44

AMBIENT TEMPERATURE:

t_a: 0°C - +40°C

OPTIONS:

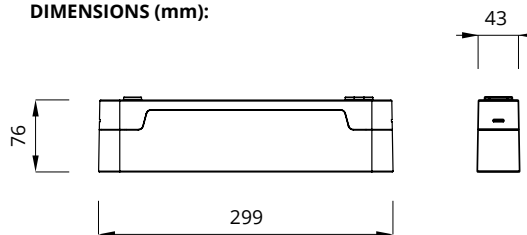
SE – non maintained
SA – maintained
AT – autotest
PT – manual test button
RU – Rubic UNA central monitoring
FZLV – central battery FZLV 24VDC
CB – central battery

ADDITIONAL INFORMATION:

LED indicator signalizes mains power supply and battery charge
Deep discharge protection
III class of insulation of FZLV version



DIMENSIONS (mm):



220-240V AC 50-60Hz	176-275V DC	24V DC	LED	IP44	
			CE	Ni-MH	Ni-Cd
LiFePO ₄					

EMERGENCY ESCAPE LIGHTING

SELF-CONTAINED CONFIGURATION

CODE	POWER	MODULE	AUTONOMY [h]		MODE	OPTIONS	COLOR		
BASIC									
ARNS	1W	E	1	3	SE	PT X	WH	GR	BL
STANDARD									
ARNS	1W	C	1	3	SA	PT X	WH	GR	BL
ARNS	2W	C	1	3	SA	PT X	WH	GR	BL
ARNO ARNC	3x1W	C	1	3	SA	PT X	WH	GR	BL
PREMIUM									
ARNS	1W	B	1	3	SA	AT RU	WH	GR	BL
ARNS	2W	B	1	3	SA	AT RU	WH	GR	BL
ARNO ARNC	3x1W	B	1	3	SA	AT RU	WH	GR	BL

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS	COLOR		
ARNS	1W	F	CB	CBS X	WH	GR	BL
ARNS	2W	F	CB	CBS X	WH	GR	BL
ARNO ARNC	3x1W	F	CB	CBS X	WH	GR	BL

CENTRAL BATTERY CONFIGURATION - ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS	COLOR		
ARNS	1W	Z	CB	ADE ADP	WH	GR	BL
ARNS	2W	Z	CB	ADE ADP	WH	GR	BL
ARNO ARNC	3x1W	Z	CB	ADE ADP	WH	GR	BL

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM	COLOR		
ARNS	1W	FZLV	WH	GR	BL
ARNS	2W	FZLV	WH	GR	BL
ARNO ARNC	3x1W	FZLV	WH	GR	BL

OUTPUT IN EMERGENCY MODE

POWER	OUTPUT [lm]
BASIC	
1W	100
STANDARD	
1W	110
2W	200
3x1W	250
PREMIUM	
1W	120
2W	220
3x1W	270

OUTPUT IN EMERGENCY MODE

POWER	OUTPUT [lm]
1W	120
2W	220
3x1W	270

OUTPUT IN EMERGENCY MODE

POWER	OUTPUT [lm]
1W	120
2W	220
3x1W	270

OUTPUT IN EMERGENCY MODE

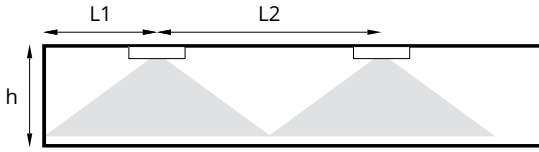
POWER	OUTPUT [lm]
1W	120
2W	220
3x1W	270

LEGEND:

- ARNS – fixture ARROW N without optics
- ARNO – fixture ARROW N with optics for open area
- ARNC – fixture ARROW N with optics for escape route
- 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 – auto-test
- RU – RUBIC UNA central monitoring system
- CB – central battery version
- CBS – central battery for circuit monitoring
- ADE – central battery with ADE address module
- ADP – central battery with ADP address module – SMART technology
- FZLV – central battery FZLV 24 VDC
- WH – white color
- GR – grey color
- BL – black color

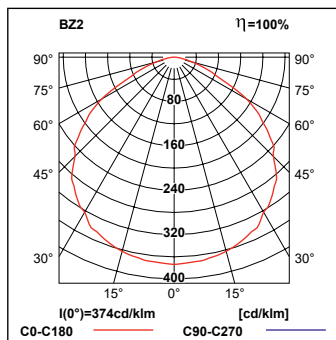
EMERGENCY ESCAPE LIGHTING

Photometry of ARROW N - ARNS, ARNC, ARNO



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

ARNS - without optics



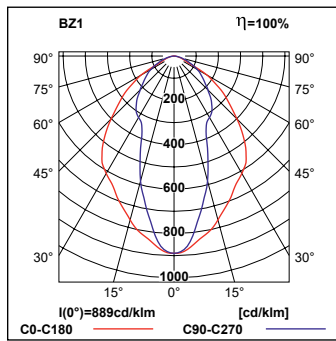
ARNS 1W (120lm) min.0,5lx

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

ARNS 2W (220lm) min.0,5lx

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

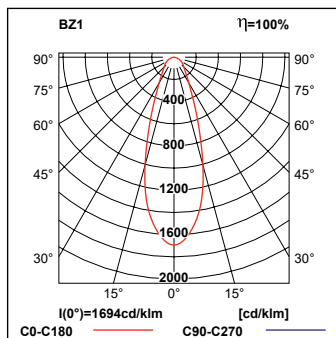
ARNC - with optics for escape route



ARNC 3x1W (270lm) min.1lx

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

ARNO - with optics for open area



ARNO 3x1W (270lm) min.0,5lx

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

EMERGENCY ESCAPE LIGHTING

ARROW P

MATERIALS:

White, grey or black polycarbonate body
Transparent polycarbonate cover

MOUNTING:

Recessed (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 LED
3x1W power LED
S – without optics
O – open area
C – escape route

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, Ni-MH 4,8V batteries or LiFePO₄ 6,4V *
*optional

INSULATION CLASS:

II or III

IP RATING:

IP44

AMBIENT TEMPERATURE:

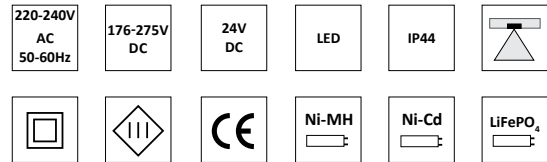
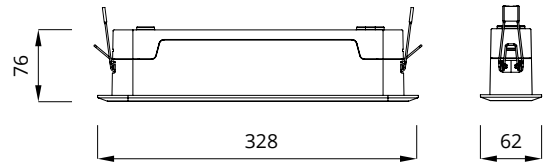
t_a: 0°C - +40°C

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
III class of insulation of FZLV version



EMERGENCY ESCAPE LIGHTING

SELF-CONTAINED CONFIGURATION

CODE	POWER	MODULE	AUTONOMY [h]		MODE	OPTIONS	COLOR		
BASIC									
ARPS	1W	E	1	3	SE	PT X	WH	GR	BL
STANDARD									
ARPS	1W	C	1	3	SA	PT X	WH	GR	BL
ARPS	2W	C	1	3	SA	PT X	WH	GR	BL
ARPO ARPC	3x1W	C	1	3	SA	PT X	WH	GR	BL
PREMIUM									
ARPS	1W	B	1	3	SA	AT RU	WH	GR	BL
ARPS	2W	B	1	3	SA	AT RU	WH	GR	BL
ARPO ARPC	3x1W	B	1	3	SA	AT RU	WH	GR	BL

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS	COLOR		
ARPS	1W	F	CB	CBS X	WH	GR	BL
ARPS	2W	F	CB	CBS X	WH	GR	BL
ARPO ARPC	3x1W	F	CB	CBS X	WH	GR	BL

CENTRAL BATTERY CONFIGURATION - ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS	COLOR		
ARPS	1W	Z	CB	ADE ADP	WH	GR	BL
ARPS	2W	Z	CB	ADE ADP	WH	GR	BL
ARPO ARPC	3x1W	Z	CB	ADE ADP	WH	GR	BL

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM	COLOR		
ARPS	1W	FZLV	WH	GR	BL
ARPS	2W	FZLV	WH	GR	BL
ARPO ARPC	3x1W	FZLV	WH	GR	BL

OUTPUT IN EMERGENCY MODE

POWER	OUTPUT [lm]
BASIC	
1W	100
STANDARD	
1W	110
2W	200
3x1W	250
PREMIUM	
1W	120
2W	220
3x1W	270

OUTPUT IN EMERGENCY MODE

POWER	OUTPUT [lm]
1W	120
2W	220
3x1W	270

OUTPUT IN EMERGENCY MODE

POWER	OUTPUT [lm]
1W	120
2W	220
3x1W	270

OUTPUT IN EMERGENCY MODE

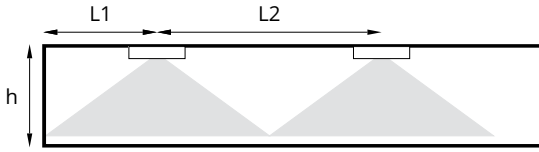
POWER	OUTPUT [lm]
1W	120
2W	220
3x1W	270

LEGEND:

- ARPS – fixture ARROW P without optics
- ARPO – fixture ARROW P with optics for open area
- ARPC – fixture ARROW P with optics for escape route
- 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 – auto-test
- RU – RUBIC UNA central monitoring system
- CB – central battery version
- CBS – central battery for circuit monitoring
- ADE – central battery with ADE address module
- ADP – central battery with ADP address module – SMART technology
- FZLV – central battery FZLV 24 VDC
- WH – white color
- GR – grey color
- BL – black color

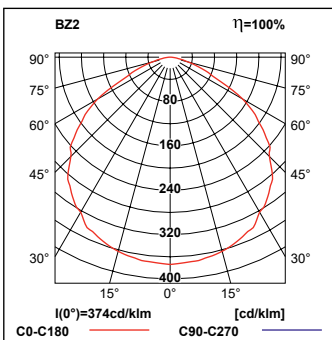
EMERGENCY ESCAPE LIGHTING

Photometry of ARROW P – ARPS, ARPC, ARPO



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

ARPS – without optics



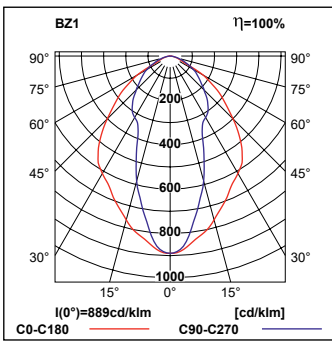
ARPS 1W (120lm) min.0,5lx

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

ARPS 2W (220lm) min.0,5lx

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

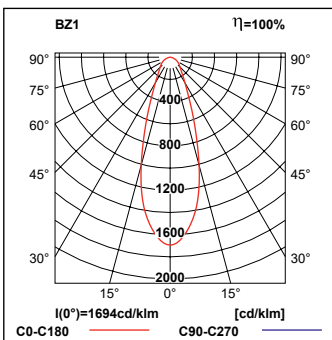
ARPC – with optics for escape route



ARPC 3x1W (270lm) min.1lx

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

ARPO – with optics for open area



ARPO 3x1W (270lm) min.0,5lx

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

EMERGENCY ESCAPE LIGHTING

LOVATO 2

MATERIALS:

White, grey or black polycarbonate body

MOUNTING:

Surface (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 power LED

Optics

R – escape route

U – universal

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, Ni-MH 4,8V batteries or LiFePO₄ 6,4V *
*optional

INSULATION CLASS:

II or III

IP RATING:

IP41

AMBIENT TEMPERATURE:

t_a: 0°C - +40°C

OPTIONS:

SE – non maintained

SA – maintained

AT – autotest

PT – manual test button

RU – Rubic UNA central monitoring

FZLV – central battery FZLV 24VDC

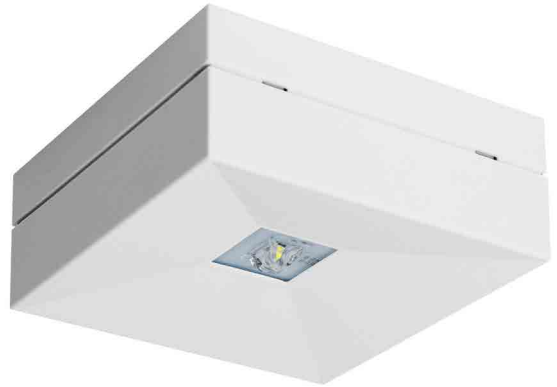
CB – central battery

ADDITIONAL INFORMATION:

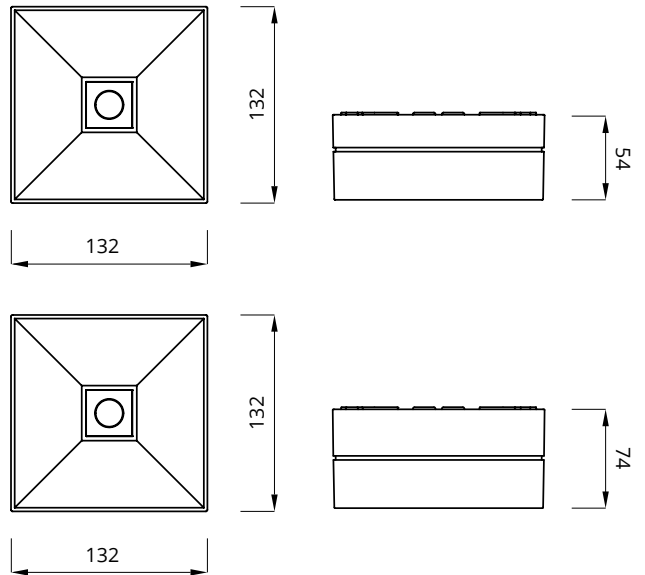
LED indicator signalizes mains power supply and battery charge

Deep discharge protection

III class of insulation of FZLV version



DIMENSIONS (mm):



EMERGENCY ESCAPE LIGHTING

SELF-CONTAINED CONFIGURATION:

CODE	POWER	MODULE	AUTONOMY [h]	MODE	OPTIONS	COLOR
BASIC						
LB2R LB2U LV2R LV2U	1W	E	1 3	SE	PT X	WH GR BL
STANDARD						
LB2R LB2U LV2R LV2U	1W	C	1 3	SA	PT X	WH GR BL
LB2R LB2U LV2R LV2U	2W	C	1 3	SA	PT X	WH GR BL
LB2R LB2U LV2R LV2U	3W	C	1 3	SA	PT X	WH GR BL
PREMIUM						
LB2R LB2U LV2R LV2U	1W	B	1 3	SA	AT RU	WH GR BL
LB2R LB2U LV2R LV2U	2W	B	1 3	SA	AT RU	WH GR BL
LB2R LB2U LV2R LV2U	3W	B	1 3	SA	AT RU	WH GR BL

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS	COLOR
LB2R LB2U LV2R LV2U	1W	F	CB	CBS X	WH GR BL
LB2R LB2U LV2R LV2U	2W	F	CB	CBS X	WH GR BL
LB2R LB2U LV2R LV2U	3W	F	CB	CBS X	WH GR BL

CENTRAL BATTERY CONFIGURATION - ADDRESSABLE:

CODE	POWER	MODULE	SYSTEM	OPTIONS	COLOR
LB2R LB2U LV2R LV2U	1W	Z	CB	ADE ADP	WH GR BL
LB2R LB2U LV2R LV2U	2W	Z	CB	ADE ADP	WH GR BL
LB2R LB2U LV2R LV2U	3W	Z	CB	ADE ADP	WH GR BL

FZLV SYSTEM CONFIGURATION:

CODE	POWER	SYSTEM	COLOR
LB2R LB2U LV2R LV2U	1W	FZLV	WH GR BL
LB2R LB2U LV2R LV2U	2W	FZLV	WH GR BL
LB2R LB2U LV2R LV2U	3W	FZLV	WH GR BL

OUTPUT IN EMERGENCY MODE

POWER	OUTPUT [lm]	
	LV2R	LV2U
BASIC		
1W	120	120
STANDARD		
1W	140	130
2W	240	240
3W	340	350
PREMIUM		
1W	140	140
2W	250	270
3W	370	390

OUTPUT IN EMERGENCY MODE

POWER	OUTPUT [lm]	
	LV2R	LV2U
1W	140	140
2W	250	270
3x1W	370	390

OUTPUT IN EMERGENCY MODE

POWER	OUTPUT [lm]	
	LV2R	LV2U
1W	140	140
2W	250	270
3x1W	370	390

OUTPUT IN EMERGENCY MODE

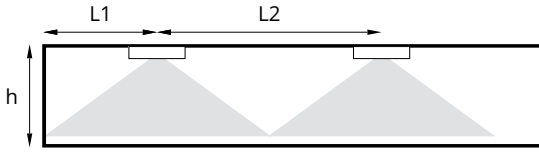
POWER	OUTPUT [lm]	
	LV2R	LV2U
1W	140	140
2W	250	270
3x1W	370	390

LEGEND:

- LV2R – fixture Lovato 2 with optics for escape route
- LV2U – fixture Lovato 2 with universal optics
- LB2R – fixture Lovato 2 with large Box and optics for escape route
- LB2U – fixture Lovato 2 with large Box and universal 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
- WH – white color
- GR – grey color
- BL – black color

EMERGENCY ESCAPE LIGHTING

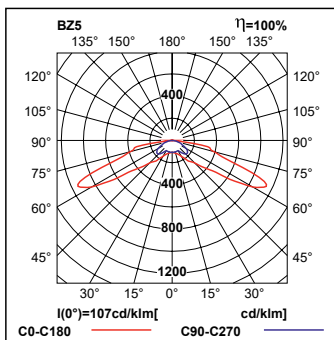
Photometry of LOVATO 2 - LV2R, LV2U



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



LV2R - with optics for escape route



LV2R 1W (140lm) min. 1lx

h [m]	L1	L2
2,50	6,0	14,0
3,00	6,5	15,5
3,50	7,0	17,0
4,00	6,5	18,0

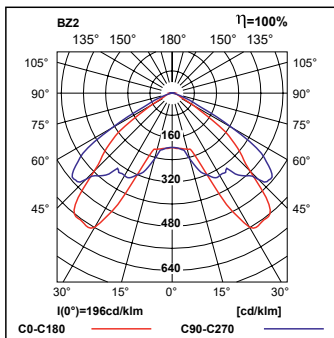
LV2R 2W (250lm) min. 1lx

h [m]	L1	L2
2,50	7,0	16,0
3,00	7,5	17,5
3,50	8,0	19,0
4,00	9,0	21,0
4,50	9,5	22,5
5,00	9,5	24,0
6,00	9,5	25,0

LV2R 3W (370lm) min. 1lx

h [m]	L1	L2
2,50	7,5	17,0
3,00	8,0	18,5
3,50	9,0	20,0
4,00	9,5	22,0
4,50	10,0	23,5
5,00	10,5	25,0
6,00	10,5	27,0

LV2U - with universal optics



LV2U 1W (140lm) min. 0,5lx

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

LV2U 2W (270lm) min. 0,5lx

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

LV2U 3W (390lm) min. 0,5lx

h [m]	L1	L2
2,50	3,5	8,5
3,00	4,0	9,5
3,50	4,0	10,5
4,00	5,0	11,0
4,50	5,5	12,5
5,00	5,5	13,5
6,00	6,0	15,0

EMERGENCY ESCAPE LIGHTING

LOVATO P

MATERIALS:

White, grey or black polycarbonate body

MOUNTING:

Recessed (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 power LED

Optics

R – escape route

U – universal

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, Ni-MH 4,8V batteries or LiFePO₄ 6,4V *
*optional

INSULATION CLASS:

II or III

IP RATING:

IP20

AMBIENT TEMPERATURE:

t_a: 0°C - +40°C

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:

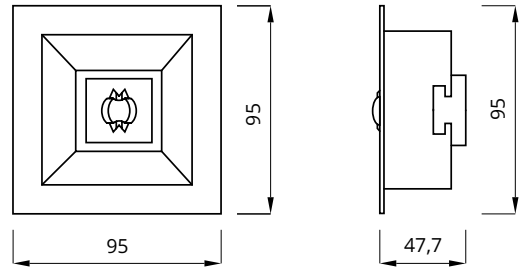
LED indicator signalizes mains power supply and battery charge

Deep discharge protection

III class of insulation of FZLV version



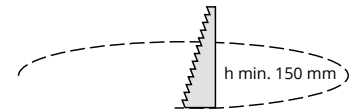
DIMENSIONS (mm):



RECESSING CUT (mm):

• ceiling

Ø 83mm



220-240V AC 50-60Hz	176-275V DC	24V DC	LED	IP20	
		CE	Ni-MH	Ni-Cd	LiFePO ₄



KM 618355
BS-EN60592-2-22

**current list of products with Kiteramk and ENEC is available at www.awex.eu

EMERGENCY ESCAPE LIGHTING

SELF-CONTAINED CONFIGURATION

CODE	POWER	MODULE	AUTONOMY [h]		MODE	OPTIONS	COLOR		
BASIC									
LVPR LVPU	1W	E	1	3	SE	PT X	WH	GR	BL
STANDARD									
LVPR LVPU	1W	C	1	3	SA	PT X	WH	GR	BL
LVPR LVPU	2W	C	1	3	SA	PT X	WH	GR	BL
LVPR LVPU	3W	C	1	3	SA	PT X	WH	GR	BL
PREMIUM									
LVPR LVPU	1W	B	1	3	SA	AT RU	WH	GR	BL
LVPR LVPU	2W	B	1	3	SA	AT RU	WH	GR	BL
LVPR LVPU	3W	B	1	3	SA	AT RU	WH	GR	BL

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS	COLOR		
LVPR LVPU	1W	F	CB	CBS X	WH	GR	BL
LVPR LVPU	2W	F	CB	CBS X	WH	GR	BL
LVPR LVPU	3W	F	CB	CBS X	WH	GR	BL

CENTRAL BATTERY CONFIGURATION - ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS	COLOR		
LVPR LVPU	1W	Z	CB	ADE ADP	WH	GR	BL
LVPR LVPU	2W	Z	CB	ADE ADP	WH	GR	BL
LVPR LVPU	3W	Z	CB	ADE ADP	WH	GR	BL

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM	COLOR		
LVPR LVPU	1W	FZLV	WH	GR	BL
LVPR LVPU	2W	FZLV	WH	GR	BL
LVPR LVPU	3W	FZLV	WH	GR	BL

OUTPUT IN EMERGENCY MODE

POWER	OUTPUT [lm]	
	LVPR	LVPU
BASIC		
1W	125	125
STANDARD		
1W	135	135
2W	250	250
3W	340	325
PREMIUM		
1W	150	150
2W	270	280
3W	370	390

OUTPUT IN EMERGENCY MODE

POWER	OUTPUT [lm]	
	LVPR	LVPU
1W	150	150
2W	270	280
3W	370	390

OUTPUT IN EMERGENCY MODE

POWER	OUTPUT [lm]	
	LVPR	LVPU
1W	150	150
2W	270	280
3x1W	370	390

OUTPUT IN EMERGENCY MODE

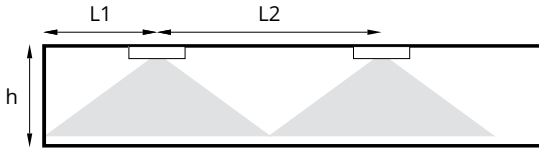
POWER	OUTPUT [lm]	
	LVPR	LVPU
1W	150	150
2W	270	280
3x1W	370	390

LEGEND:

- LVPR – fixture Lovato P with optics for escape route
- LVPU – fixture Lovato P with universal 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
- WH – white color
- GR – grey color
- BL – black color

EMERGENCY ESCAPE LIGHTING

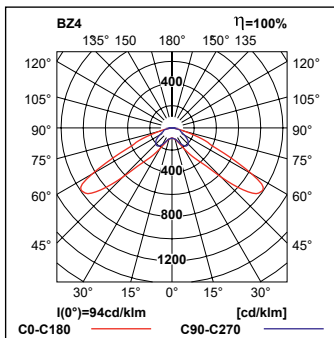
Photometry of LOVATO P - LVPR, LVPU



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



LVPR - with optics for escape route



LVPR 1W (150lm) min. 1lx

h [m]	L1	L2
2,50	5,0	11,0
3,00	5,5	13,0
3,50	6,0	14,0
4,00	6,5	15,0

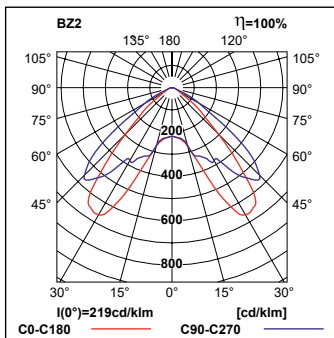
LVPR 2W (270lm) min. 1lx

h [m]	L1	L2
2,50	6,0	13,0
3,00	6,5	14,5
3,50	7,0	16,0
4,00	7,5	17,5
4,50	8,0	18,5
5,00	8,5	19,5
6,00	9,0	20,0

LVPR 3W (370lm) min. 1lx

h [m]	L1	L2
2,50	6,0	14,0
3,00	6,5	15,5
3,50	7,5	17,0
4,00	8,0	18,0
4,50	9,0	20,0
5,00	9,0	21,0
6,00	9,0	21,5

LVPU - with universal optics



LVPU 1W (150lm) min. 0,5lx

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

LVPU 2W (280lm) 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	9,5
4,50	5,0	10,0
5,00	5,0	11,0
6,00	5,5	11,0

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

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

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, Ni-MH 4,8V batteries or LiFePO₄ 6,4V *
*optional

INSULATION CLASS:

II or III

IP RATING:

IP65

AMBIENT TEMPERATURE:

t_a: 0°C - +40°C

t_a: -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

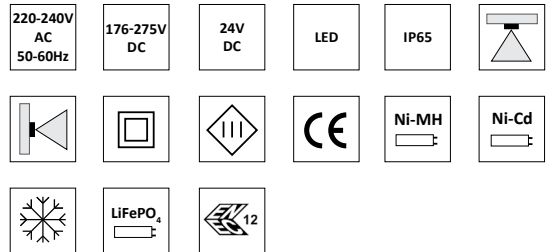
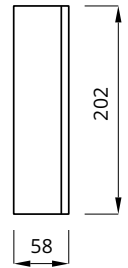
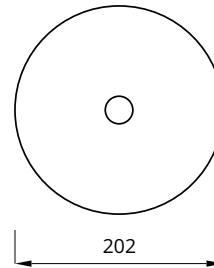
Deep discharge protection

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 Kiteramk and ENEC is available at www.awex.eu

EMERGENCY ESCAPE LIGHTING

SELF-CONTAINED CONFIGURATION

CODE	POWER	MODULE	AUTONOMY [h]		MODE	OPTIONS	
BASIC							
AXNR AXNU AXNA	1W	E	1	3	SE	PT	X
STANDARD							
AXNR AXNU AXNA	1W	C	1	3	SA	PT	X
AXNR AXNU AXNA	2W	C	1	3	SA	PT	X
AXNR AXNU AXNA	3W	C	1	3	SA	PT	X
PREMIUM							
AXNR AXNU AXNA	1W	B	1	3	SA	AT	RU
AXNR AXNU AXNA	2W	B	1	3	SA	AT	RU
AXNR AXNU AXNA	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	1W	F	CB	CBS X
AXNR AXNU AXNA	2W	F	CB	CBS X
AXNR AXNU AXNA	3W	F	CB	CBS X
AXNR AXNU AXNA	6W	F	CB	CBS X

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

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

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM
AXNR AXNU AXNA	1W	FZLV
AXNR AXNU AXNA	2W	FZLV
AXNR AXNU AXNA	3W	FZLV

OUTPUT IN EMERGENCY MODE

POWER	OUTPUT [lm]		
	AXNR	AXNU	AXNA
BASIC			
1W	130	130	120
STANDARD			
1W	140	140	130
2W	240	250	240
3W	350	360	345
PREMIUM			
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

OUTPUT IN EMERGENCY MODE

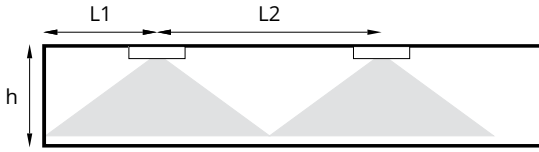
POWER	OUTPUT [lm]		
	AXNR	AXNU	AXNA
1W	150	150	140
2W	260	270	260
3W	370	390	380

LEGEND:

- AXNR – fixture AXN with optics for escape route
- AXNU – fixture AXN with universal optics
- AXNA – fixture AXN 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

EMERGENCY ESCAPE LIGHTING

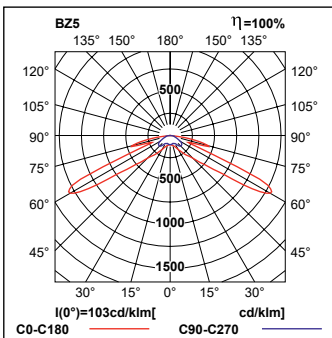
Photometry of AXN – AXNR, AXNU, AXNA



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

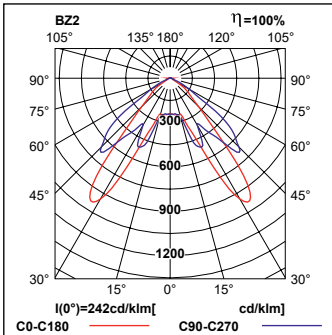
AXNR 3W (370lm) min. 1lx

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

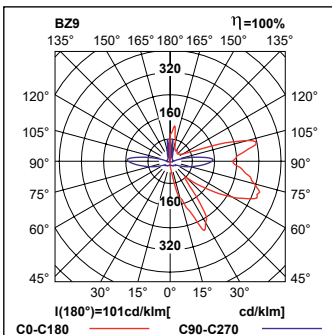
AXNU 3W (390lm) min. 0,5lx

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.0,5lx

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. 0,5lx

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. 0,5lx

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

EMERGENCY ESCAPE LIGHTING

AXP

MATERIALS:

White polycarbonate body

MOUNTING:

Recessed (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, Ni-MH 4,8V batteries or LiFePO₄ 6,4V *
*optional

INSULATION CLASS:

II or III

IP RATING:

IP20 or IP65/20

AMBIENT TEMPERATURE:

t_a: 0°C - +40°C

OPTIONS:

SE – non maintained

SA – maintained

AT – autotest

PT – manual test button

RU – Rubic UNA central monitoring

FZLV – central battery FZLV 24V

CB – central battery

ADDITIONAL INFORMATION:

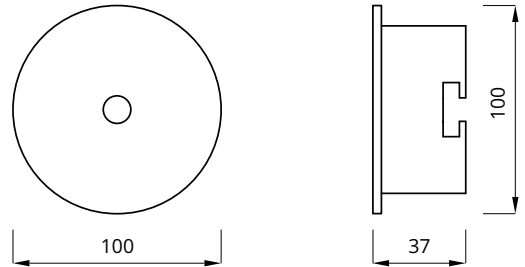
LED indicator signalizes mains power supply and battery charge

Deep discharge protection

III class of insulation of FZLV version



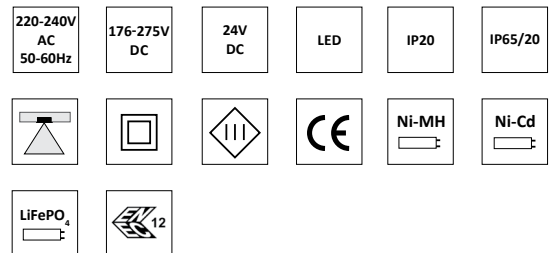
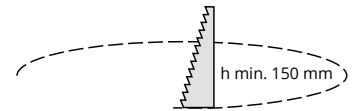
DIMENSIONS (mm):



RECESSING CUT (mm):

• ceiling

Ø 83mm



KM 618355
BS-EN60592-2-22

**current list of products with Kiteramk and ENEC is available at www.awex.eu

EMERGENCY ESCAPE LIGHTING

SELF-CONTAINED CONFIGURATION

CODE	POWER	MODULE	AUTONOMY [h]		MODE	OPTIONS	
BASIC							
AXPR AXPU AXPA	1W	E	1	3	SE	PT	X
STANDARD							
AXPR AXPU AXPA	1W	C	1	3	SA	PT	X
AXPR AXPU AXPA	2W	C	1	3	SA	PT	X
AXPR AXPU AXPA	3W	C	1	3	SA	PT	X
PREMIUM							
AXPR AXPU AXPA	1W	B	1	3	SA	AT	RU
AXPR AXPU AXPA	2W	B	1	3	SA	AT	RU
AXPR AXPU AXPA	3W	B	1	3	SA	AT	RU
AXPR AXPU AXPA	6W*	B	1	3	SA	AT	RU

*AVAILABLE WITH SE VERSION ONLY

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS
AXPR AXPU AXPA	1W	F	CB	CBS X
AXPR AXPU AXPA	2W	F	CB	CBS X
AXPR AXPU AXPA	3W	F	CB	CBS X
AXPR AXPU AXPA	6W	F	CB	CBS X

CENTRAL BATTERY CONFIGURATION - ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS
AXPR AXPU AXPA	1W	Z	CB	ADE ADP
AXPR AXPU AXPA	2W	Z	CB	ADE ADP
AXPR AXPU AXPA	3W	Z	CB	ADE ADP
AXPR AXPU AXPA	6W	Z	CB	ADE ADP

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM
AXPR AXPU AXPA	1W	FZLV
AXPR AXPU AXPA	2W	FZLV
AXPR AXPU AXPA	3W	FZLV

OUTPUT IN EMERGENCY MODE

POWER	OUTPUT [lm]		
	AXPR	AXPU	AXPA
BASIC			
1W	130	130	120
STANDARD			
1W	140	140	130
2W	240	250	240
3W	350	360	345
PREMIUM			
1W	150	150	140
2W	260	270	260
3W	370	390	380
6W	600	620	580

OUTPUT IN EMERGENCY MODE

POWER	OUTPUT [lm]		
	AXPR	AXPU	AXPA
1W	150	150	140
2W	260	270	260
3W	370	390	380
6W	600	620	580

OUTPUT IN EMERGENCY MODE

POWER	OUTPUT [lm]		
	AXPR	AXPU	AXPA
1W	150	150	140
2W	260	270	260
3W	370	390	380
6W	600	620	580

OUTPUT IN EMERGENCY MODE

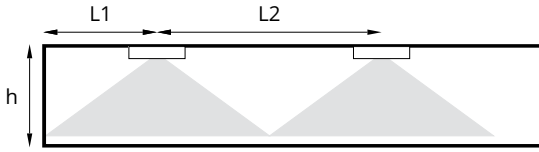
POWER	OUTPUT [lm]		
	AXPR	AXPU	AXPA
1W	150	150	140
2W	260	270	260
3W	370	390	380

LEGEND:

- AXPR – fixture AXP with optics for escape route
- AXPU – fixture AXP with universal optics
- AXPA – fixture AXP with A 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

EMERGENCY ESCAPE LIGHTING

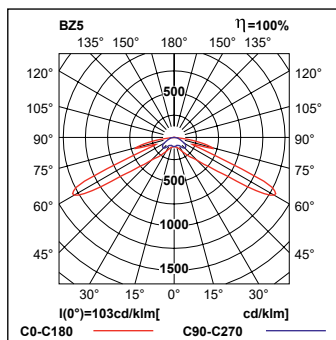
Photometry of AXP - AXPR, AXPU, AXPA



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



AXPR - with optics for escape route



AXPR 1W (150lm) min. 1lx

h [m]	L1	L2
2,50	5,5	13,0
3,00	6,5	14,0
3,50	7,0	15,5
4,00	7,5	17,0

AXPR 2W (250lm) min. 1lx

h [m]	L1	L2
2,50	6,0	14,0
3,00	7,0	15,0
3,50	7,5	17,5
4,00	8,5	19,0
4,50	9,0	20,0
5,00	9,5	21,0
6,00	10,0	22,0

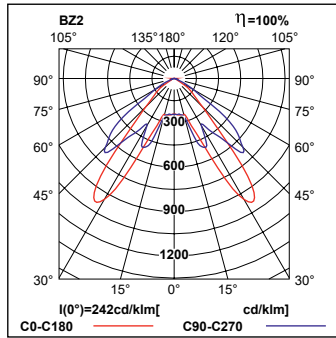
AXPR 3W (370lm) min. 1lx

h [m]	L1	L2
2,50	6,5	16,5
3,00	7,5	17,5
3,50	8,0	19,0
4,00	9,0	20,5
4,50	9,0	22,0
5,00	10,5	22,5
6,00	10,5	23,5

AXPR 6W (600lm) min. 1lx

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

AXPU - with universal optics



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

h [m]	L1	L2
2,50	3,5	6,5
3,00	3,5	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

AXPU 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

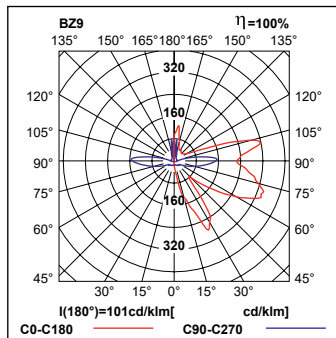
AXPU 3W (390lm) min. 0,5lx

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

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

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

AXPA - with asymmetric optics



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

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	6,5

AXPA 2W (270lm) min. 0,5lx

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

AXPA 3W (380lm) min. 0,5lx

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

AXPA 6W (580lm) min. 0,5lx

h [m]	L1	L2
2,50	7,5	19,0
3,00	8,0	20,0
3,50	8,0	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

EMERGENCY ESCAPE LIGHTING

EYE LED ROUND

MATERIALS:

Body made of stainless steel or steel painted white, other colors optionally

MOUNTING:

Recessed (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, 3x1W power LED
 Optics

R – escape route

U – universal

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, Ni-MH 4,8V batteries or LiFePO₄ 6,4V *
 *optional

INSULATION CLASS:

II or III

IP RATING:

IP20

AMBIENT TEMPERATURE:

t_a: 0°C - +40°C

OPTIONS:

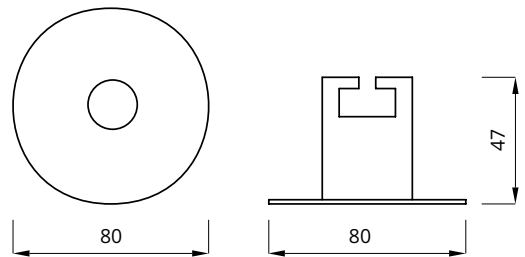
SE – non maintained
 SA – maintained
 AT – autotest
 PT – manual test button
 RU - Rubic UNA central monitoring
 FZLV – central battery FZLV 24VDC
 CB – central battery

ADDITIONAL INFORMATION:

LED indicator signalizes mains power supply and battery charge
 Deep discharge protection
 III class of insulation of FZLV version



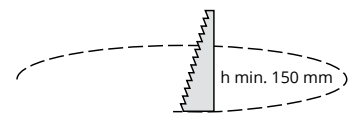
DIMENSIONS (mm):



RECESSING CUT (mm):

• ceiling

Ø 63mm



220-240V AC 50-60Hz	176-275V DC	24V DC	LED	IP20	
		CE	Ni-MH	Ni-Cd	LiFePO ₄



KM 618355
 BS-EN60592-2-22

**current list of products with Kiteramk and ENEC is available at www.awex.eu

EMERGENCY ESCAPE LIGHTING

SELF-CONTAINED CONFIGURATION

CODE	POWER	MODULE	AUTONOMY [h]	MODE	OPTIONS	COLOR
BASIC						
EYR EYU	1W	E	1 3	SE	PT X	ST WH
STANDARD						
EYR EYU	1W	C	1 3	SA	PT X	ST WH
EYR EYU	2W	C	1 3	SA	PT X	ST WH
EYR EYU	3W	C	1 3	SA	PT X	ST WH
EY	3x1W	C	1 3	SA	PT X	ST WH
PREMIUM						
EYR EYU	1W	B	1 3	SA	AT RU	ST WH
EYR EYU	2W	B	1 3	SA	AT RU	ST WH
EYR EYU	3W	B	1 3	SA	AT RU	ST WH
EY	3x1W	B	1 3	SA	AT RU	ST WH

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS	COLOR
EYR EYU	1W	F	CB	CBS X	ST WH
EYR EYU	2W	F	CB	CBS X	ST WH
EYR EYU	3W	F	CB	CBS X	ST WH
EY	3x1W	F	CB	CBS X	ST WH

CENTRAL BATTERY CONFIGURATION - ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS	COLOR
EYR EYU	1W	Z	CB	ADE ADP	ST WH
EYR EYU	2W	Z	CB	ADE ADP	ST WH
EYR EYU	3W	Z	CB	ADE ADP	ST WH
EY	3x1W	Z	CB	ADE ADP	ST WH

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM	COLOR
EYR EYU	1W	FZLV	ST WH
EYR EYU	2W	FZLV	ST WH
EYR EYU	3W	FZLV	ST WH
EY	3x1W	FZLV	ST WH

LEGEND:

- EYR – fixture Eye led round with optics for escape route
- EYU – fixture Eye led round with optics for open area optics
- EY – fixture Eye led round without 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
- ST – stainless steel
- WH – fixture in white color

OUTPUT IN EMERGENCY MODE

POWER	OUTPUT [lm]		
	EYR	EYU	EY
BASIC			
1W	110	130	–
STANDARD			
1W	120	140	–
2W	240	240	–
3W	320	360	–
3x1W	–	–	330
PREMIUM			
1W	140	150	–
2W	260	270	–
3W	350	390	–
3x1W	–	–	360

OUTPUT IN EMERGENCY MODE

POWER	OUTPUT [lm]		
	EYR	EYU	EY
1W	140	150	–
2W	260	270	–
3W	350	390	–
3x1W	–	–	360

OUTPUT IN EMERGENCY MODE

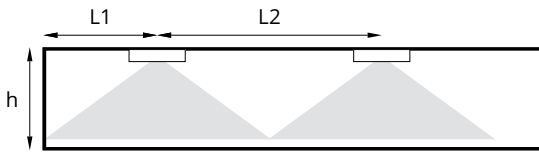
POWER	OUTPUT [lm]		
	EYR	EYU	EY
1W	140	150	–
2W	260	270	–
3W	350	390	–
3x1W	–	–	360

OUTPUT IN EMERGENCY MODE

POWER	OUTPUT [lm]		
	EYR	EYU	EY
1W	140	150	–
2W	260	270	–
3W	350	390	–
3x1W	–	–	360

EMERGENCY ESCAPE LIGHTING

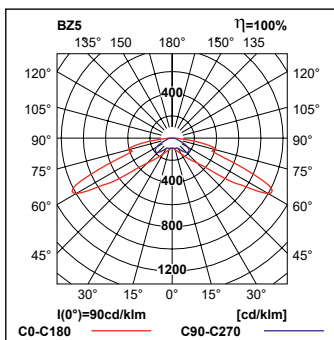
Photometry of EYE LED ROUND – EYR , EYU, EY



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



EYR – with optics for escape route



EYR 1W (140lm) min. 1lx

h [m]	L1	L2
2,50	5,0	13,0
3,00	6,0	14,0
3,50	7,5	16,0
4,00	7,0	15,5

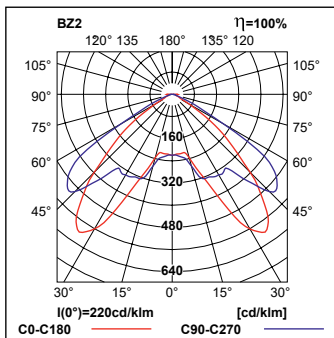
EYR 2W (260lm) min. 1lx

h [m]	L1	L2
2,50	6,5	14,5
3,00	7,0	16,0
3,50	8,0	18,0
4,00	8,5	19,0
4,50	9,0	21,0
5,00	9,5	22,0
6,00	9,5	22,5

EYR 3W (350lm) min. 1lx

h [m]	L1	L2
2,50	7,0	15,5
3,00	7,5	17,5
3,50	8,5	19,0
4,00	9,0	20,5
4,50	10,0	22,5
5,00	10,5	24,0
6,00	10,5	24,5

EYU – with universal optics



EYU 1W (150lm) min. 0,5lx

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

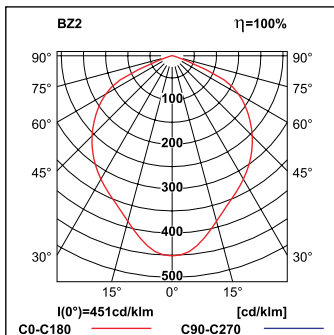
EYU 2W (270lm) min. 0,5lx

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

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

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

EY - without optics



EY 3x1W (360lm) – min 0,5lx

h [m]	L1	L2
2,50	3,5	9,5
3,00	3,5	10,0
3,50	4,5	11,5
4,00	4,5	12,0
4,50	5,0	14,5
5,00	5,0	14,5
6,00	5,5	15,0
7,00	5,0	15,0
8,00	5,5	17,5

EMERGENCY ESCAPE LIGHTING

EYE LED SQUARE

MATERIALS:

Body made of stainless steel or steel painted white, other colors optionally

MOUNTING:

Recessed (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, 3x1W power LED
 Optics

R – escape route

U – universal

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, Ni-MH 4,8V batteries or LiFePO₄ 6,4V *
 *optional

INSULATION CLASS:

II or III

IP RATING:

IP20

AMBIENT TEMPERATURE:

t_a: 0°C - +40°C

OPTIONS:

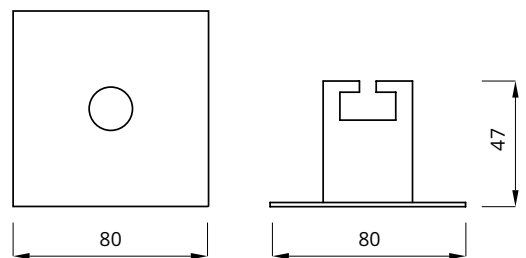
SE – non maintained
 SA – maintained
 AT – autotest
 PT – manual test button
 RU – Rubic UNA central monitoring
 FZLV – central battery FZLV 24VDC
 CB – central battery

DODATKOWE INFORMACJE:

LED indicator signalizes mains power supply and battery charge
 Deep discharge protection
 III class of insulation of FZLV version



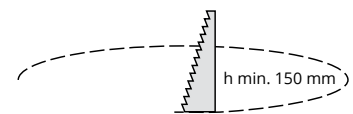
DIMENSIONS (mm):



RECESSING CUT (mm):

• ceiling

Ø 63mm



220-240V AC 50-60Hz	176-275V DC	24V DC	LED	IP20	
		CE	Ni-MH	Ni-Cd	LiFePO ₄



KM 618355
 BS-EN60592-2-22

**current list of products with Kiteramk and ENEC is available at www.awex.eu

EMERGENCY ESCAPE LIGHTING

SELF-CONTAINED CONFIGURATION

CODE		POWER	MODULE	AUTONOMY [h]		MODE	OPTIONS		COLOR	
BASIC										
EYKR	EYKU	1W	E	1	3	SE	PT	X	ST	WH
STANDARD										
EYKR	EYKU	1W	C	1	3	SA	PT	X	ST	WH
EYKR	EYKU	2W	C	1	3	SA	PT	X	ST	WH
EYKR	EYKU	3W	C	1	3	SA	PT	X	ST	WH
EYK		3x1W	C	1	3	SA	PT	X	ST	WH
PREMIUM										
EYKR	EYKU	1W	B	1	3	SA	AT	RU	ST	WH
EYKR	EYKU	2W	B	1	3	SA	AT	RU	ST	WH
EYKR	EYKU	3W	B	1	3	SA	AT	RU	ST	WH
EYK		3x1W	B	1	3	SA	AT	RU	ST	WH

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

CODE		POWER	MODULE	SYSTEM	OPTIONS		COLOR	
EYKR	EYKU	1W	F	CB	CBS	X	ST	WH
EYKR	EYKU	2W	F	CB	CBS	X	ST	WH
EYKR	EYKU	3W	F	CB	CBS	X	ST	WH
EYK		3x1W	F	CB	CBS	X	ST	WH

CENTRAL BATTERY CONFIGURATION - ADDRESSABLE

CODE		POWER	MODULE	SYSTEM	OPTIONS		COLOR	
EYKR	EYKU	1W	Z	CB	ADE	ADP	ST	WH
EYKR	EYKU	2W	Z	CB	ADE	ADP	ST	WH
EYKR	EYKU	3W	Z	CB	ADE	ADP	ST	WH
EYK		3x1W	Z	CB	ADE	ADP	ST	WH

FZLV SYSTEM CONFIGURATION

CODE		POWER	SYSTEM	COLOR	
EYKR	EYKU	1W	FZLV	ST	WH
EYKR	EYKU	2W	FZLV	ST	WH
EYKR	EYKU	3W	FZLV	ST	WH
EYK		3x1W	FZLV	ST	WH

LEGEND:

EYKR – fixture Eye led square with optics for escape route
 EYKU – fixture Eye led square with optics for open area optics
 EYK – Fixture Eye led square without 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
 ST – stainless steel
 WH – fixture in white color

OUTPUT IN EMERGENCY MODE

POWER	OUTPUT [lm]		
	EYKR	EYKU	EYK
BASIC			
1W	110	130	–
STANDARD			
1W	120	140	–
2W	240	240	–
3W	320	360	–
3x1W	–	–	330
PREMIUM			
1W	140	150	–
2W	260	270	–
3W	350	390	–
3x1W	–	–	360

OUTPUT IN EMERGENCY MODE

POWER	OUTPUT [lm]		
	EYKR	EYKU	EYK
1W	140	150	–
2W	260	270	–
3W	350	390	–
3x1W	–	–	360

OUTPUT IN EMERGENCY MODE

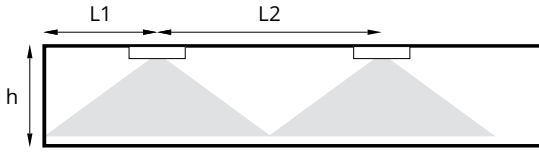
POWER	OUTPUT [lm]		
	EYKR	EYKU	EYK
1W	140	150	–
2W	260	270	–
3W	350	390	–
3x1W	–	–	360

OUTPUT IN EMERGENCY MODE

POWER	OUTPUT [lm]		
	EYKR	EYKU	EYK
1W	140	150	–
2W	260	270	–
3W	350	390	–
3x1W	–	–	360

EMERGENCY ESCAPE LIGHTING

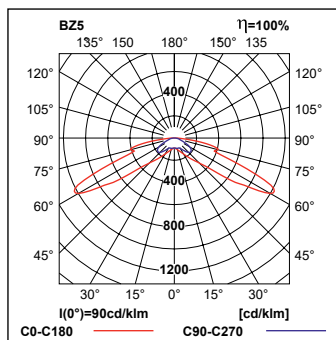
Photometry of EYE LED SQUARE – EYKR , EYKU, EYK



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



EYKR – with optics for escape route



EYKR 1W (140lm) min. 1lx

h [m]	L1	L2
2,50	5,0	13,0
3,00	6,0	14,0
3,50	7,5	16,0
4,00	7,0	15,5

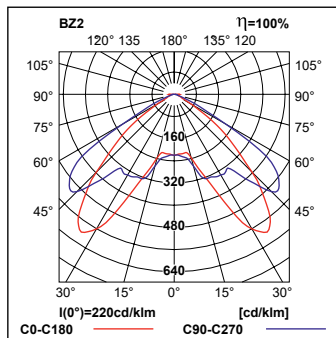
EYKR 2W (260lm) min. 1lx

h [m]	L1	L2
2,50	6,5	14,5
3,00	7,0	16,0
3,50	8,0	18,0
4,00	8,5	19,0
4,50	9,0	21,0
5,00	9,5	22,0
6,00	9,5	22,5

EYKR 3W (350lm) min. 1lx

h [m]	L1	L2
2,50	7,0	15,5
3,00	7,5	17,5
3,50	8,5	19,0
4,00	9,0	20,5
4,50	10,0	22,5
5,00	10,5	24,0
6,00	10,5	24,5

EYKU – with universal optics



EYKU 1W (150lm) min.0,5lx

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

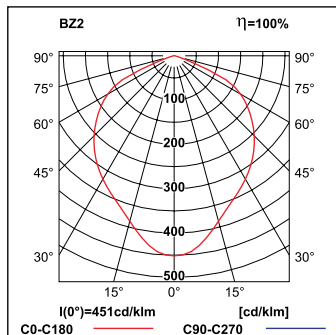
EYKU 2W (270lm) min. 0,5lx

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

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

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

EYK - without optics



EYK 3x1W (360lm) - min 0,5lx

h [m]	L1	L2
2,50	3,5	9,5
3,00	3,5	10,0
3,50	4,5	11,5
4,00	4,5	12,0
4,50	5,0	14,5
5,00	5,0	14,5
6,00	5,5	15,0
7,00	5,0	15,0
8,00	5,5	17,5

EMERGENCY ESCAPE LIGHTING

SPY

MATERIALS:

Body made from aluminium or aluminium painted in white

MOUNTING:

Inside light fitting

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 LED

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, Ni-MH 4,8V batteries or LiFePO₄ 6,4V *
*optional

INSULATION CLASS:

II or III

IP RATING:

IP20

AMBIENT TEMPERATURE:

t_a : 0°C ÷ 40°C

OPTIONS:

SE - non maintained

SA - maintained

PT - manual test button

AT - autotest

RU - Rubic UNA central monitoring

FZLV - central battery FZLV 24V

CB - central battery

ADDITIONAL INFORMATION:

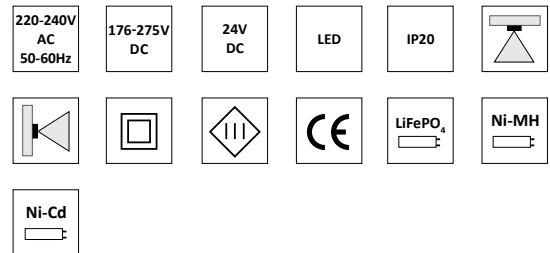
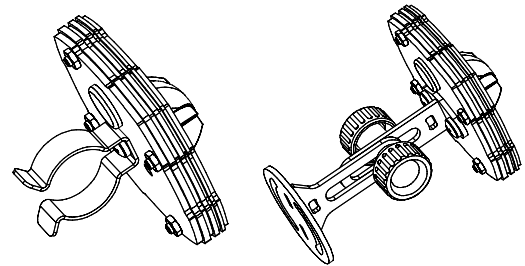
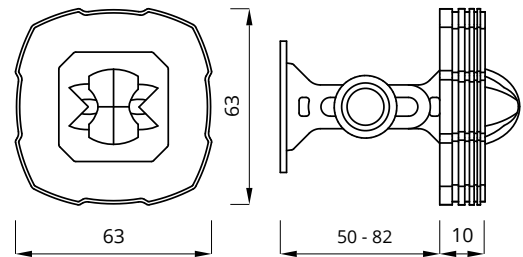
LED indicator signalizes mains power supply and battery charging

Deep discharge protection

III class of insulation of FZLV version



DIMENSIONS (mm):



EMERGENCY ESCAPE LIGHTING

SELF-CONTAINED CONFIGURATION:

CODE	POWER	MODULE	AUTONOMY [h]		MODE	OPTIONS	COLOR
BASIC							
SPR SPU	1W	E	1	3	SE	PT X	SR WH
STANDARD							
SPR SPU	1W	C	1	3	SA	PT X	SR WH
SPR SPU	2W	C	1	3	SA	PT X	SR WH
SPR SPU	3W	C	1	3	SA	PT X	SR WH
PREMIUM							
SPR SPU	1W	B	1	3	SA	AT RU	SR WH
SPR SPU	2W	B	1	3	SA	AT RU	SR WH
SPR SPU	3W	B	1	3	SA	AT RU	SR WH

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS	COLOR
SPR SPU	1W	F	CB	CBS X	SR WH
SPR SPU	2W	F	CB	CBS X	SR WH
SPR SPU	3W	F	CB	CBS X	SR WH

CENTRAL BATTERY CONFIGURATION - ADDRESSABLE:

CODE	POWER	MODULE	SYSTEM	OPTIONS	COLOR
SPR SPU	1W	Z	CB	ADE ADP	SR WH
SPR SPU	2W	Z	CB	ADE ADP	SR WH
SPR SPU	3W	Z	CB	ADE ADP	SR WH

FZLV SYSTEM CONFIGURATION:

CODE	POWER	SYSTEM	COLOR
SPR SPU	1W	FZLV	SR WH
SPR SPU	2W	FZLV	SR WH
SPR SPU	3W	FZLV	SR WH

OUTPUT IN EMERGENCY MODE

POWER	OUTPUT [lm]	
	SPR	SPU
BASIC		
1W	120	130
STANDARD		
1W	130	140
2W	240	250
3W	340	360
PREMIUM		
1W	140	150
2W	260	270
3W	370	390

OUTPUT IN EMERGENCY MODE

POWER	OUTPUT [lm]	
	SPR	SPU
1W	140	150
2W	260	270
3W	370	390

OUTPUT IN EMERGENCY MODE

POWER	OUTPUT [lm]	
	SPR	SPU
1W	140	150
2W	260	270
3W	370	390

OUTPUT IN EMERGENCY MODE

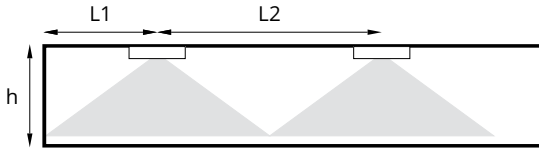
POWER	OUTPUT [lm]	
	SPR	SPU
1W	140	150
2W	260	270
3W	370	390

LEGEND:

- SPU - fixture SPY with universal optics
- SPR - fixture SPY with optics for escape route
- 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 system
- CB - central battery version
- CBS - central battery for circuit monitoring
- ADE - central battery with ADE address module
- ADP - central battery with ADP address module - SMART technology
- FZLV - central battery FZLV 24 VDC
- WH - fixture in white color
- SR - fixture in silver color

EMERGENCY ESCAPE LIGHTING

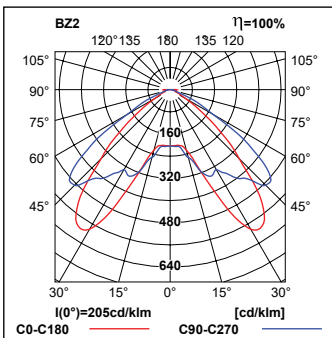
Photometry of SPY – SPR, SPU



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



SPR – with optics for escape route



SPR 1W (140lm) min. 1lx

h [m]	L1	L2
2,50	5,5	12,0
3,00	6,0	14,0
3,50	6,5	15,0
4,00	6,5	15,5

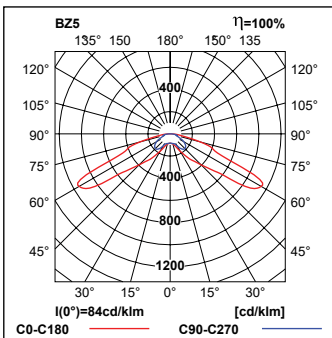
SPR 2W (260lm) min. 1lx

h [m]	L1	L2
2,50	6,5	14,5
3,00	7,0	16,0
3,50	8,0	17,5
4,00	8,5	18,5
4,50	8,5	20,0
5,00	9,0	20,5
6,00	9,5	20,0

SPR 3W (370lm) min. 1lx

h [m]	L1	L2
2,50	7,0	15,5
3,00	7,5	17,5
3,50	8,5	19,0
4,00	9,0	20,0
4,50	9,5	21,5
5,00	10,0	22,5
6,00	10,5	23,0

SPU – with universal optics



SPU 1W (150lm) min. 0,5lx

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

SPU 2W (270lm) min. 0,5lx

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

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

h [m]	L1	L2
2,50	3,5	8,0
3,00	4,0	9,0
3,50	4,0	10,0
4,00	4,5	10,0
4,50	5,0	11,5
5,00	5,5	12,5
6,00	6,0	14,0
7,00	6,5	15,5
8,00	7,0	17,0

EMERGENCY ESCAPE LIGHTING

HELIOS LED

MATERIALS:

White polycarbonate body
Transparent or opal polycarbonate cover

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:

3W, 3x1W, 6x1W power LED

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, Ni-MH 4,8V batteries or LiFePO₄*
*optional

INSULATION CLASS:

II or III

IP RATING:

IP42 or IP65

AMBIENT TEMPERATURE:

t_a: 0°C ÷ 40°C
t_a: -25°C ÷ 40°C – together with heater for low temperatures

OPTIONS:

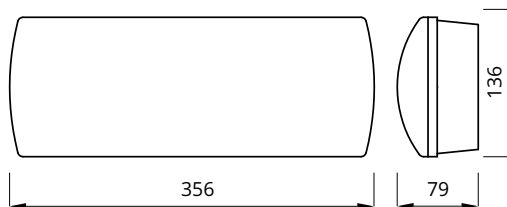
SE – non maintained
SA – maintained
PT – manual test button
AT – autotest
RU – Rubic UNA central monitoring
FZLV – central battery FZLV 24VDC
CB – central battery

ADDITIONAL INFORMATION:

LED indicator signalizes mains power supply and battery charging
Deep discharge protection
Optional adaptation of the fixture for low temperatures up to -25°C
Protection against mechanical impacts – IK08
III class of insulation of FZLV version



DIMENSIONS (mm):



220-240V AC 50-60Hz	176-275V DC	24V DC	LED	IP42	IP65
				LiFePO ₄	Ni-Cd
Ni-MH					



KM 618355
BS-EN60592-2-22

**current list of products with Kiteramk and ENEC is available at www.awex.eu

EMERGENCY ESCAPE LIGHTING

SELF-CONTAINED CONFIGURATION

CODE	POWER	MODULE	AUTONOMY [h]		MODE	OPTIONS		COVER	
STANDARD									
HWM HWEM	3W	C	1	3	SA	PT	X	TR	OP
HWD HWED	3x1W	C	1	3	SA	PT	X	TR	
HHP	6x1W	B	1	3	SE	PT	X	TR	
PREMIUM									
HWM HWEM	3W	B	1	3	SA	AT	RU	TR	OP
HWD HWED	3x1W	B	1	3	SA	AT	RU	TR	
HHP	6x1W	B	1	3	SA	AT	RU	TR	

CENTRAL BATTERY CONFIGURATION – NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COVER	
HWM HWEM	3W	F	CB	CBS	X	TR	OP
HWD HWED	3x1W	F	CB	CBS	X	TR	
HHP	6x1W	F	CB	CBS	X	TR	

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COVER	
HWM HWEM	3W	Z	CB	ADE	ADP	TR	OP
HWD HWED	3x1W	Z	CB	ADE	ADP	TR	
HHP	6x1W	Z	CB	ADE	ADP	TR	

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM	COVER	
HWM HWEM	3W	FZLV	TR	OP
HWD HWED	3x1W	FZLV	TR	
HHP	6x1W	FZLV	TR	

OUTPUT IN EMERGENCY MODE

POWER	OUTPUT [lm]
STANDARD	
3W	330
3x1W	340
6x1W	920
PREMIUM	
3W	360
3x1W	370
6x1W	920

OUTPUT IN EMERGENCY MODE

POWER	OUTPUT [lm]
3W	360
3x1W	370
6x1W	920

OUTPUT IN EMERGENCY MODE

POWER	OUTPUT [lm]
3W	360
3x1W	370
6x1W	920

OUTPUT IN EMERGENCY MODE

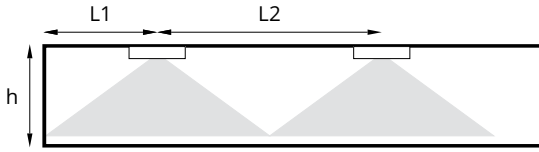
POWER	OUTPUT [lm]
3W	360
3x1W	370
6x1W	920

LEGEND:

- HWM – fixture Helios IP65, assembly altitudes: 2,5 – 10 m
- HWD – fixture Helios IP65, assembly altitudes: 8 – 14m
- HHP – fixture Helios IP65 6x1W assembly altitudes: 2,5 – 8m
- HWEM – fixture Helios IP42, assembly altitudes: 2,5 – 10 m
- HWED – fixture Helios IP42, assembly altitudes: 8 – 14m
- 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 system
- 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
- FZLV – central battery FZLV 24 VDC
- TR – transparent polycarbonate cover
- OP – opal polycarbonate cover

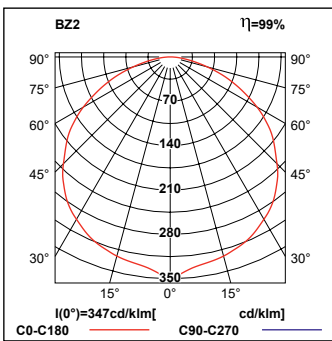
EMERGENCY ESCAPE LIGHTING

Photometry of HELIOS LED – HWM, HWD, HHP



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

HWM – for 2,5 to 10 m



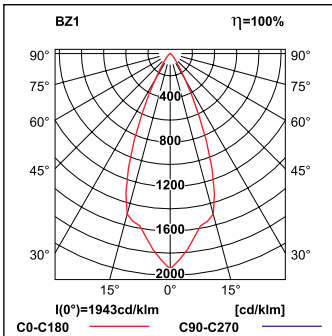
HWM 3W (360lm) min. 1lx

h [m]	L1	L2
2,50	5,50	10,00
3,00	5,50	11,00
3,50	6,00	11,50
4,00	6,00	12,00
4,50	6,00	12,50
5,00	6,00	13,00
5,50	6,00	13,00
6,00	6,00	13,00
6,50	5,60	13,00
7,00	5,50	13,00
7,50	5,00	12,50
8,00	3,00	12,50
9,00	2,50	12,00
10,00	2,50	12,00

HWM 3W (360lm) min. 0,5lx

h [m]	L1	L2
2,50	5,00	10,00
3,00	5,00	11,00
3,50	6,00	11,50
4,00	6,00	12,50
4,50	7,00	13,00
5,00	7,00	14,00
5,50	7,00	15,00
6,00	7,00	15,00
6,50	7,00	15,50
7,00	7,00	16,00
7,50	7,00	17,00
8,00	7,00	17,00
9,00	7,00	17,50
10,00	7,00	18,00

HWD – for 8 to 14m



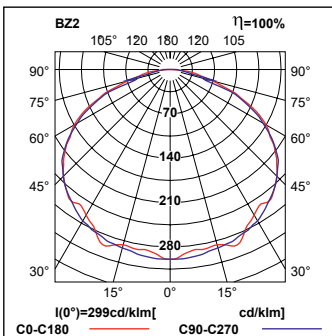
HWD 3x1W (370lm) min. 1lx

h [m]	L1	L2
8,00	5,00	9,00
8,50	5,50	10,00
9,00	6,00	10,00
9,50	6,00	10,00
10,00	6,00	10,50
10,50	6,00	11,00
11,00	6,00	11,00
11,50	6,00	11,50
12,00	6,00	12,00
13,00	6,00	12,00
14,00	6,00	11,00

HWD 3x1W (370lm) min. 0,5lx

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

HHP – for 3 to 12m wide range



HHP 6x1W (920lm) min. 1lx

h [m]	L1	L2
3,00	6,0	14,5
3,50	7,0	15,5
4,00	7,0	16,5
5,00	7,0	18,0
6,00	7,5	19,5
7,00	8,0	20,5
8,00	8,0	21,5
9,00	8,0	22,0
10,0	7,5	22,0
11,0	7,0	22,0
12,0	6,5	21,5

HHP 6x1W (920lm) min. 0,5lx

h [m]	L1	L2
4,00	5,5	17,0
5,00	6,0	18,0
6,00	6,5	19,5
7,00	7,0	22,5
8,00	7,5	23,5
9,00	8,0	24,0
10,0	7,5	26,0
11,0	7,5	26,5
12,0	7,5	28,0
13,0	7,0	28,5
14,0	7,0	28,5

HHP 6x1W (920lm) avg. 10,8lx open area

h [m]	L1	L2
2,50	3,0	8,0
3,00	3,5	8,0
3,50	2,5	8,0
4,00	2,5	7,5
5,00	1,5	7,5
6,00	1,5	7,0

HHP 6x1W (920lm) avg. 10,8lx escape route

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

EMERGENCY ESCAPE LIGHTING

HELIOS

MATERIALS:

White polycarbonate body
Transparent polycarbonate cover with Fresnel optics

MOUNTING:

Surface (wall, ceiling)

POWER SUPPLY:

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

LIGHT SOURCE:

8W, 11W, 18W fluorescent lamp

CHARGING:

Maximum 24h

AUTONOMY AND BATTERIES:

1h, 2h, 3h , Ni-Cd batteries

INSULATION CLASS:

II

IP RATING:

IP42 or IP65

AMBIENT TEMPERATURE:

t_a: 0°C ÷ 40°C
t_a: -25°C ÷ 40°C – together with heater for low temperatures

OPTIONS:

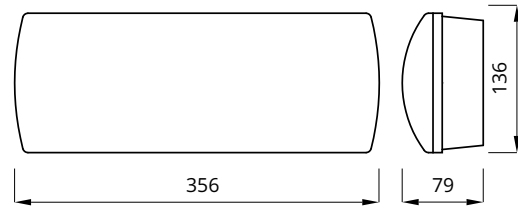
- SE – non maintained
- SA – maintained
- PT – manual test button
- AT – autotest
- RU – Rubic UNA central monitoring
- CB – central battery

ADDITIONAL INFORMATION:

- LED indicator signalizes mains power supply and battery charging
- Deep discharge protection
- Optional adaptation of the fixture for low temperatures up to -25°C
- Protection against mechanical impacts – IK08



DIMENSIONS (mm):



220-240V AC 50-60Hz	176-275V DC	T5 G5	TC-SEL 2G7	IP42	IP65	
		CE	Ni-Cd			

EMERGENCY ESCAPE LIGHTING

SELF-CONTAINED CONFIGURATION

CODE	POWER	MODULE	AUTONOMY [h]		MODE		OPTIONS		
H HE	8W	T	1	3	SE	SA	PT	AT	RU
H HE	11W	T	1	3	SE	SA	PT	AT	RU
H HE	18W	T	1	3	SE		PT	AT	RU

OUTPUT IN EMERGENCY MODE

POWER	OUTPUT [lm]
8W	85
11W	115
18W	125

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS
H HE	8W	T	CB	CBS X
H HE	11W	T	CB	CBS X
H HE	18W	T	CB	CBS X

OUTPUT IN EMERGENCY MODE

POWER	OUTPUT [lm]
8W	450
11W	780
18W	1250

CENTRAL BATTERY CONFIGURATION - ADDRESSABLE

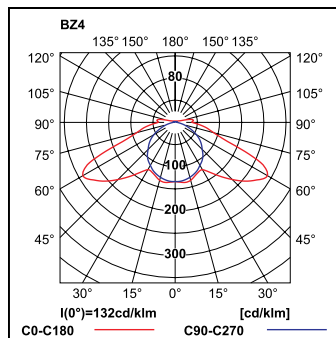
CODE	POWER	MODULE	SYSTEM	OPTIONS
H HE	8W	T	CB	ADL ADS
H HE	11W	T	CB	ADL ADS
H HE	18W	T	CB	ADL ADS

OUTPUT IN EMERGENCY MODE

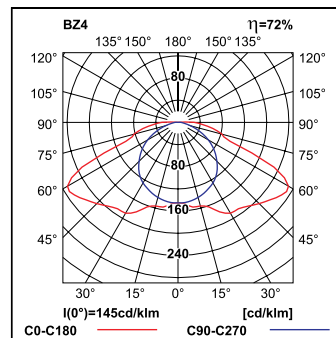
POWER	OUTPUT [lm]
8W	450
11W	780
18W	1250

Photometry of HELIOS: H, HE

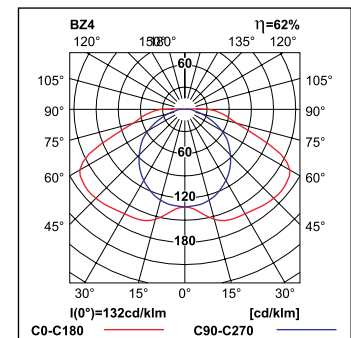
Helios 8W



Helios 11W



Helios 18W



LEGEND:

- H - fixture Helios IP 65
- HE - fixture Helios IP 42
- T - electronic gear for LFL fittings
- SE - non-maintained
- SA - maintained
- PT - manual test button
- X - fitting without additional options
- AT - autotest
- RU - RUBIC UNA central monitoring system
- CB - central battery version
- CBS - central battery for circuit monitoring
- ADL - central battery with ADL module
- ADS - central battery with ADS address module - SMART technology

EMERGENCY ESCAPE LIGHTING

EMX

MATERIALS:

White polycarbonate body
Transparent polycarbonate cover

MOUNTING:

Surface (wall, ceiling)

POWER SUPPLY:

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

LIGHT SOURCE:

2x8W, 18W, 24W, 36W fluorescent lamp

CHARGING:

Maximum 24h

AUTONOMY AND BATTERIES:

1h, 2h or 3h, Ni-Cd batteries

INSULATION CLASS:

I

IP RATING:

IP65

AMBIENT TEMPERATURE:

t_a : 0°C - +40°C

t_a : -25°C ÷ 40°C – together with heater for low temperatures

OPTIONS:

SE – non maintained
SA – maintained
PT – manual test button
AT – autotest
RU – RUBIC UNA central monitoring
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

SELF-CONTAINED CONFIGURATION

CODE	POWER [W]	MODULE	AUTONOMY [h]	MODE	OPTIONS
EM	2x8W	T	1 3	SE SA	PT AT RU
EM	18W	T	1 3	SE SA	PT AT RU
EM	24W	T	1 3	SE SA	PT AT RU
EM	36W	T	1 3	SE SA	PT AT RU

CENTRAL BATTERY CONFIGURATION – NON-ADDRESSABLE

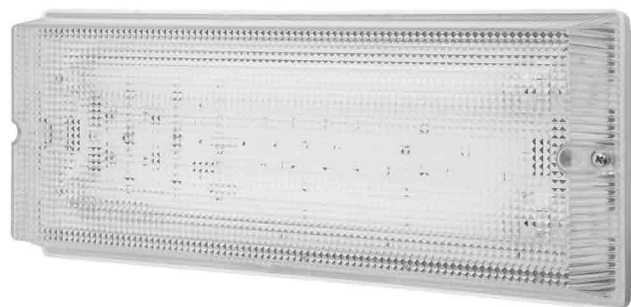
CODE	POWER [W]	MODULE	SYSTEM	OPTIONS
EM	2x8W	T	CB	CBS X
EM	18W	T	CB	CBS X
EM	24W	T	CB	CBS X
EM	36W	T	CB	CBS X

CENTRAL BATTERY CONFIGURATION – NON-ADDRESSABLE

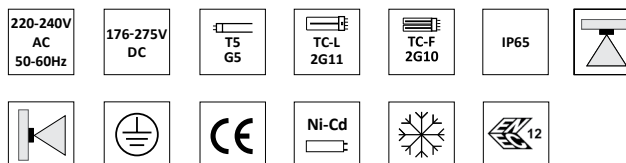
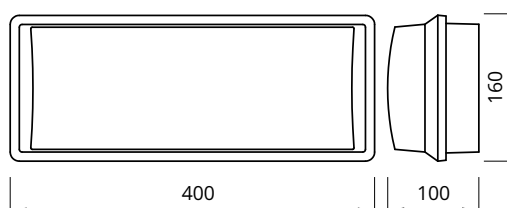
CODE	POWER [W]	MODULE	SYSTEM	OPTIONS
EM	2x8W	T	CB	ADL ADS
EM	18W	T	CB	ADL ADS
EM	24W	T	CB	ADL ADS
EM	36W	T	CB	ADL ADS

LEGEND:

EM – fixture EMX
T – electronic gear for LFL fittings
SE – non-maintained
SA – maintained
PT – manual test button
X – fitting without additional options
AT – autotest
RU – RUBIC UNA central monitoring system
CB – central battery version
CBS – central battery for circuit monitoring
ADL – central battery with ADL module
ADS – central battery with ADS address module – SMART technology

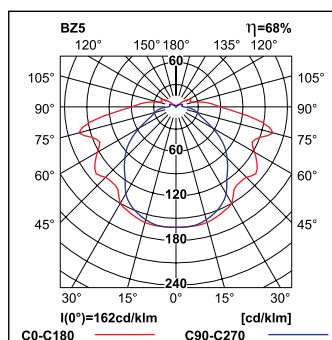


DIMENSIONS (mm):



Photometry of EMX: EM

EM – 2x8W



EMERGENCY ESCAPE LIGHTING

TIGER LED

MATERIALS:

White polycarbonate body
Transparent or opal polycarbonate cover

MOUNTING:

Surface (wall, ceiling)
Optional assembly in dry-wall or under plastering

POWER SUPPLY:

Self contained – 220÷240VAC/50÷60Hz
Central battery –220÷240VAC/50÷60Hz; 176 - 275VDC
Central battery FZLV – 24VDC

LIGHT SOURCE:

3W LED

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, Ni-MH 4,8V batteries or LiFePO₄ 6,4V *
*optional

INSULATION CLASS:

II or III

IP RATING:

IP22

AMBIENT TEMPERATURE:

t₃: 0°C ÷ 40°C

OPTIONS:

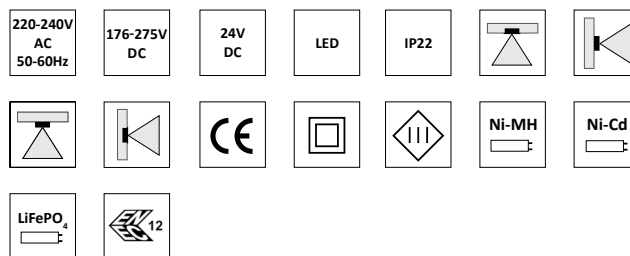
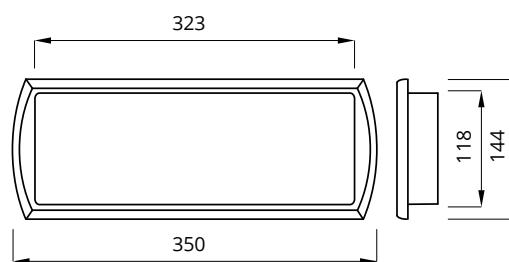
SE – non maintained
SA – maintained
PT – manual test button
AT – autotest
RU – Rubic UNA central monitoring
FZLV – central battery FZLV 24VDC
CB – central battery

ADDITIONAL INFORMATION:

LED indicator signalizes mains power supply and battery charging
Deep discharge protection
III class of insulation of FZLV version



DIMENSIONS (mm):



KM 618355
BS-EN60592-2-22

**current list of products with Kiteramk and ENEC is available at www.awex.eu

EMERGENCY ESCAPE LIGHTING

SELF-CONTAINED CONFIGURATION

CODE	POWER	MODULE	AUTONOMY [h]		MODE	OPTIONS		COVER	
STANDARD									
TL	3W	C	1	3	SA	PT	X	TR	OP
PREMIUM									
TL	3W	B	1	3	SA	AT	RU	TR	OP

OUTPUT IN EMERGENCY MODE

POWER	OUTPUT [lm]
STANDARD	
3W	340
PREMIUM	
3W	380

CENTRAL BATTERY CONFIGURATION – NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COVER	
TL	3W	F	CB	CBS	X	TR	OP

OUTPUT IN EMERGENCY MODE

POWER	OUTPUT [lm]
3W	380

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COVER	
TL	3W	Z	CB	ADE	ADP	TR	OP

OUTPUT IN EMERGENCY MODE

POWER	OUTPUT [lm]
3W	380

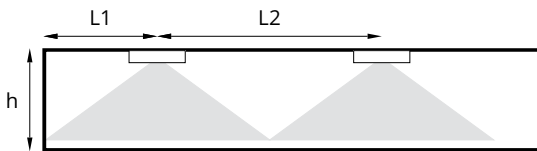
FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM	COVER
TL	3W	FZLV	TR OP

OUTPUT IN EMERGENCY MODE

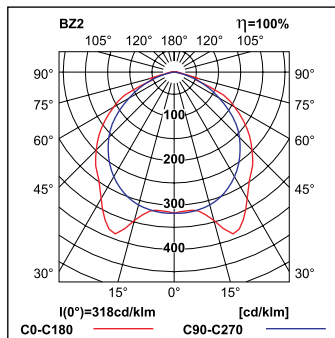
POWER	OUTPUT [lm]
3W	380

Photometry of TIGER LED – TL



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

TL – transparent cover



TL 3W (380lm) min. 1lx

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

TL 3W (380lm) min 0,5lx

h [m]	L1	L2
2,50	4,00	10,00
3,00	4,50	11,00
3,50	5,00	11,50
4,00	5,00	12,50
4,50	5,50	13,50
5,00	5,50	14,00
6,00	6,00	15,00
7,00	6,00	16,50
8,00	6,00	17,50

LEGEND:

- TL – fixture Tiger LED
- 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 system
- CB – central battery version
- CBS – central battery for circuit monitoring
- ADE – central battery with ADE address module
- ADP – central battery with ADP address module – SMART technology
- FZLV – central battery FZLV 24 VDC
- TR – transparent polycarbonate cover
- OP – opal polycarbonate cover

EMERGENCY ESCAPE LIGHTING

TIGER

MATERIALS:

White polycarbonate body
Transparent polycarbonate cover

MOUNTING:

Surface (wall, ceiling)
Optional assembly in dry-wall or under plastering

POWER SUPPLY:

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

LIGHT SOURCE:

8W fluorescent lamp

CHARGING:

Maximum 24h

AUTONOMY AND BATTERIES:

1h, 2h, 3h , Ni-Cd batteries

INSULATION CLASS:

II

IP RATING:

IP22

AMBIENT TEMPERATURE:

$t_a: 0^{\circ}\text{C} \div 40^{\circ}\text{C}$

OPTIONS:

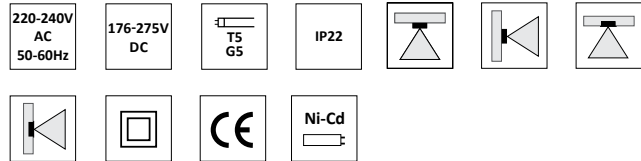
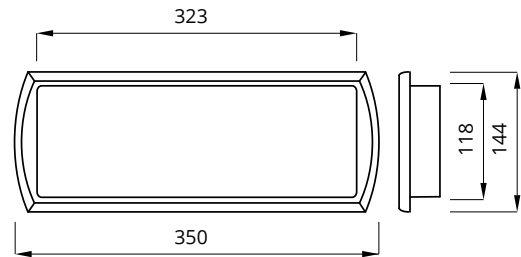
- SE – non maintained
- SA – maintained
- PT – manual test button
- AT – autotest
- RU – Rubic UNA central monitoring
- CB – central battery

ADDITIONAL INFORMATION:

LED indicator signalizes mains power supply and battery charging
Deep discharge protection



DIMENSIONS (mm):



SELF-CONTAINED CONFIGURATION

CODE	POWER	MODULE	AUTHONOMY [h]	MODE	OPTIONS
TG	8W	T	1	3	SE SA PT AT RU

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

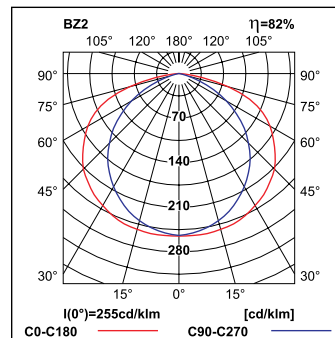
CODE	POWER	MODULE	SYSTEM	OPTIONS
TG	8W	T	CB	CBS X

CENTRAL BATTERY CONFIGURATION - ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS
TG	8W	T	CB	ADL ADS

Photometry of TIGER: TG

Tiger - 8W



LEGEND:

- TG – fixture Tiger
- T – electronic gear for LFL fittings
- SE – non-maintained
- SA – maintained
- PT – manual test button
- X – fitting without additional options
- AT – autotest
- RU – RUBIC UNA central monitoring system
- CB – central battery version
- CBS – central battery for circuit monitoring
- ADL – central battery with ADL module
- ADS – central battery with ADS address module – SMART technology

EMERGENCY ESCAPE LIGHTING

PANORAMA & PANORAMA LED

MATERIALS:

White plastic body
Opal plastic cover

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:

3W LED
8W, 11W fluorescent lamp

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, Ni-MH 4,8V batteries or LiFePO₄ 6,4V *
*optional

INSULATION CLASS:

II or III

IP RATING:

IP54

AMBIENT TEMPERATURE:

t_a: 0°C ÷ 40°C;

OPTIONS:

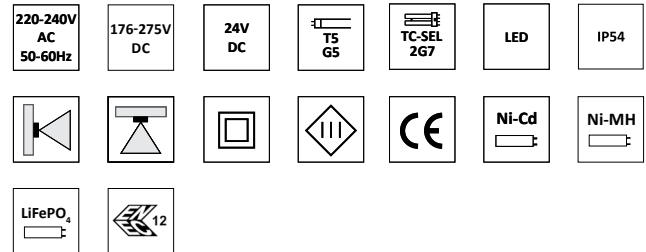
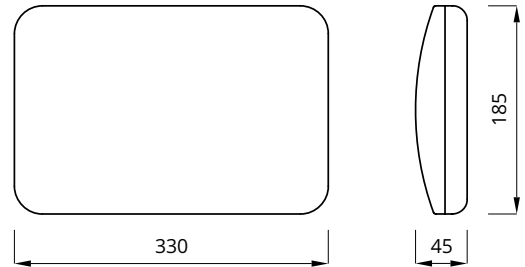
SE – non maintained
SA – maintained
PT – manual test button
AT – autotest
RU – Rubic UNA central monitoring
FZLV – central battery FZLV 24VDC
CB – central battery

ADDITIONAL INFORMATION:

LED indicator signalizes mains power supply and battery charging
Deep discharge protection
III class of insulation of FZLV version



DIMENSIONS (mm):



KM 618355
BS-EN60592-2-22

**current list of products with Kiteramk and ENEC is available at www.awex.eu

EMERGENCY ESCAPE LIGHTING

SELF-CONTAINED CONFIGURATION

CODE	POWER	MODULE	AUTONOMY [h]		MODE	OPTIONS	
STANDARD							
PML	3W	C	1	3	SA	PT	X
P	8W	T	1	3	SA	PT	X
P	11W	T	1	3	SA	PT	X
PREMIUM							
PML	3W	B	1	3	SA	AT	RU
P	8W	T	1	3	SA	AT	RU
P	11W	T	1	3	SA	AT	RU

CENTRAL BATTERY CONFIGURATION – NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS
PML	3W	F	CB	CBS X
P	8W	T	CB	CBS X
P	11W	T	CB	CBS X

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS
PML	3W	Z	CB	ADE ADP
P	8W	T	CB	ADL ADS
P	11W	T	CB	ADL ADS

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM
PML	3W	FZLV

LEGEND:

- P – fixture Panorama
- PML – fixture Panorama LED
- 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
- T – electronic gear for LFL 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 system
- CB – central battery version
- CBS – central battery for circuit monitoring
- ADS – central battery with ADS address module – SMART technology
- ADL – central battery with ADL address module
- ADE – central battery with ADE address module
- ADP – central battery with ADP address module – SMART technology
- FZLV – central battery FZLV 24 VDC

EMERGENCY ESCAPE LIGHTING

OUTDOOR LED

MATERIALS:

Stainless steel painted white

MOUNTING:

Surface (wall)

POWER SUPPLY:

Self contained – 220 - 240VAC/50 - 60Hz

Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC

Central battery FZLV – 24VDC

LIGHT SOURCE:

3x1W LED

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, Ni-MH 4,8V batteries or LiFePO₄ 6,4V*

*optional

INSULATION CLASS:

I or III

IP RATING:

IP66

AMBIENT TEMPERATURE:

t_a: 0°C - +40°C

t_a: -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

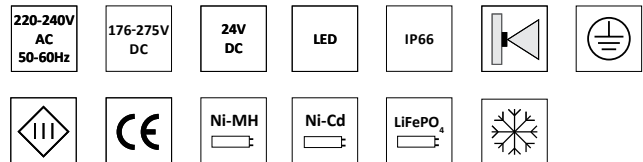
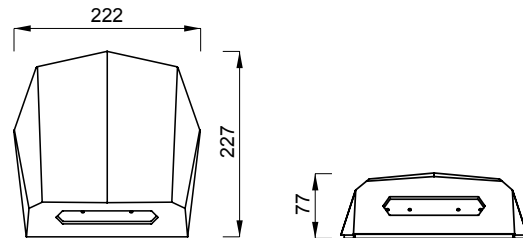
III class of insulation of FZLV version

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

Protection against mechanical impacts – IK10



DIMENSIONS (mm):



EMERGENCY ESCAPE LIGHTING

SELF-CONTAINED CONFIGURATION

CODE	POWER	MODULE	AUTONOMY [h]	MODE	OPTIONS
STANDARD					
ODB	3x1W	C	1	3	SA PT X
PREMIUM					
ODB	3x1W	B	1	3	SA AT RU

CENTRAL BATTERY CONFIGURATION – NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS
ODB	3x1W	F	CB	CBS X

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS
ODB	3x1W	Z	CB	ADE ADP

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM
ODB	3x1W	FZLV

OUTPUT IN EMERGENCY MODE

POWER	OUTPUT [lm]
STANDARD	
3W	330
PREMIUM	
3W	360

OUTPUT IN EMERGENCY MODE

POWER	OUTPUT [lm]
3W	360

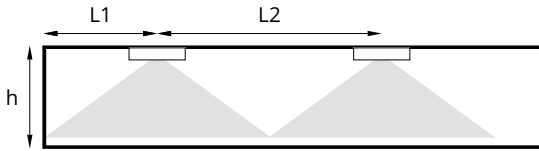
OUTPUT IN EMERGENCY MODE

POWER	OUTPUT [lm]
3W	360

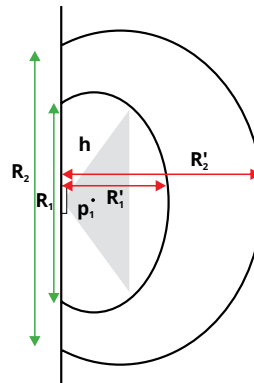
OUTPUT IN EMERGENCY MODE

POWER	OUTPUT [lm]
3W	360

Photometry of OUTDOOR LED – ODB

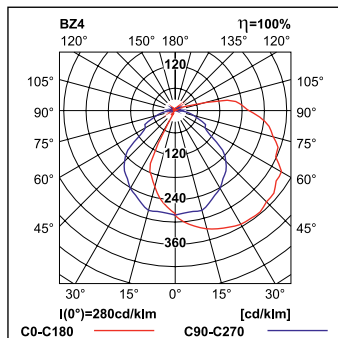


L1 – distance from the wall to the first fixture
L2 – distance between fixtures
h – height of the ceiling



R_1 – radius of the illumination for avg. 5lx
 R_1' – distance from the wall for avg. 5lx
 R_2 – radius of the illumination for avg. 1lx
 R_2' – distance from the wall for avg. 1lx
h – assembly height of the fitting
 p_1 – max light intensity under the luminaire

ODB 3x1W



ODB 3x1W (360lm) min.1lx and min 5lx

h [m] - assembly height of the fitting	p_1 [lx] - max under the fitting	R1 [m] for min. 5lx	R1' [m] for min. 5lx	R2 [m] for min. 1lx	R2' [m] for min. 1lx
2	30	4,2	3,0	6,9	5,5
2,2	25	4,4	3,0	7,1	5,7
2,4	21	4,4	3,1	7,4	5,8
2,6	18	4,4	3,1	7,6	6,0
2,8	15	4,3	3,1	7,8	6,1
3	13	4,1	3,0	8,0	6,2
3,2	11	4,0	3,0	8,4	6,3
3,4	10	3,7	2,9	8,6	6,4
3,6	9	3,4	2,8	8,9	6,5

LEGEND:

ODB – fixture Outdoor LED
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 system
CB – central battery version
CBS – central battery for circuit monitoring
ADE – central battery with ADE address module
ADP – central battery with ADP address module – SMART technology
FZLV – central battery FZLV 24 VDC

EMERGENCY ESCAPE LIGHTING

SK-8

MATERIALS:

White polycarbonate body
Transparent polycarbonate cover with lens

MOUNTING:

Surface (wall, ceiling)
Optional recessed (ceiling)

POWER SUPPLY:

Self contained – 220 - 240VAC/50 - 60Hz
Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC
Central battery FZLV – 24VDC

LIGHT SOURCE:

3W LED

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, Ni-MH 4,8V batteries or LiFePO₄ 6,4V*
*optional

INSULATION CLASS:

II or III

IP RATING:

IP44

AMBIENT TEMPERATURE:

t_g: 0°C - +40°C

OPTIONS:

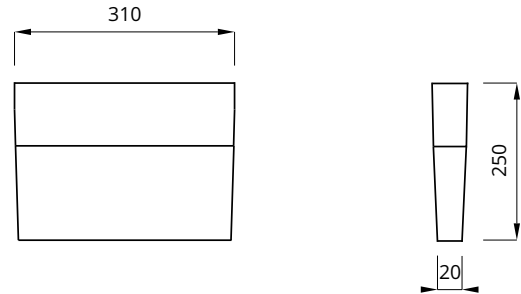
- SE - non maintained
- SA - maintained
- AT - autotest
- PT - manual test button
- RU - Rubic UNA central monitoring
- FZLV - central battery FZLV 24VDC
- CB - central battery

ADDITIONAL INFORMATION:

LED indicator signalizes mains power supply and battery charge
Deep discharge protection
III class of insulation of FZLV version



DIMENSIONS (mm):



220-240V AC 50-60Hz	176-275V DC	24V DC	LED	IP44		
			CE	Ni-MH	Ni-Cd	LiFePO ₄



**current list of products with Kiteramk and ENEC is available at www.awex.eu

EMERGENCY ESCAPE LIGHTING

SELF-CONTAINED CONFIGURATION

CODE	POWER	MODULE	AUTONOMY [h]		MODE	OPTIONS	COLOR
STANDARD							
SK-8	3W	C	1	3	SA	PT X	WT
PREMIUM							
SK-8	3W	B	1	3	SA	AT RU	WT

OUTPUT IN EMERGENCY MODE

POWER	OUTPUT [lm]
STANDARD	
3W	100
PREMIUM	
3W	120

CENTRAL BATTERY CONFIGURATION – NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS	COLOR
SK-8	3W	F	CB	CBS X	WT

OUTPUT IN EMERGENCY MODE

POWER	OUTPUT [lm]
3W	120

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS	COLOR
SK-8	3W	Z	CB	ADE ADP	WT

OUTPUT IN EMERGENCY MODE

POWER	OUTPUT [lm]
3W	120

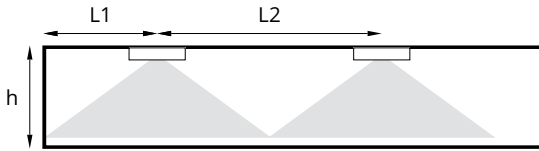
FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM	COLOR
SK-8	3W	FZLV	WT

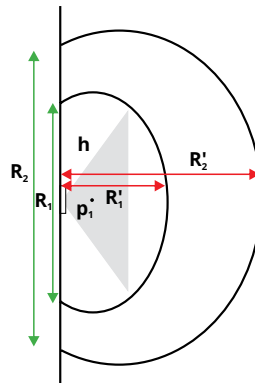
OUTPUT IN EMERGENCY MODE

POWER	OUTPUT [lm]
3W	120

Photometry of SK-8 – SK8

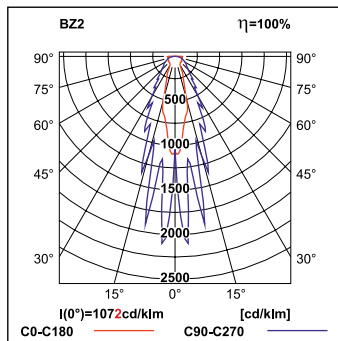


L1 – distance from the wall to the first fixture
L2 – distance between fixtures
h – height of the ceiling



R_1 – radius of the illumination for avg. 5lx
 R_1' – distance from the wall for avg. 5lx
 R_2 – radius of the illumination for avg. 1lx
 R_2' – distance from the wall for avg. 1lx
h – assembly height of the fitting
 p_1 – max light intensity under the luminaire

SK-8 3x1W



SK8 3x1W (120lm) min.1lx and min 5lx

h [m] - assembly height of the fitting	p_1 [lx] - max under the fitting	R1 [m] for min. 5lx	R1' [m] for min. 5lx	R2 [m] for min. 1lx	R2' [m] for min. 1lx
2	62	2,9	0,8	5,2	2,0
2,2	50	3,0	0,9	5,4	2,0
2,4	41	3,1	0,9	5,5	2,0
2,6	34	3,2	0,9	5,6	1,9
2,8	29	3,2	0,9	5,6	1,9
3	25	3,2	0,9	5,8	1,8
3,2	22	3,3	0,9	6,0	1,8
3,4	20	3,3	0,9	6,0	1,8
3,6	18	3,3	0,9	6,0	1,8

LEGEND:

SK8 – fixture SK-8
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 system
CB – central battery version
CBS – central battery for circuit monitoring
ADE – central battery with ADE address module
ADP – central battery with ADP address module – SMART technology
FZLV – central battery FZLV 24 VDC

EMERGENCY ESCAPE LIGHTING

INFINITY II B

MATERIALS:

White, grey or black polycarbonate body
Plexi glass

MOUNTING:

Surface (wall)

POWER SUPPLY:

Self contained – 220 - 240VAC/50 - 60Hz
Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC
Central battery FZLV – 24VDC

LIGHT SOURCE:

3W LED

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, Ni-MH 4,8V batteries or LiFePO₄ 6,4V*
*optional

INSULATION CLASS:

II or III

IP RATING:

IP44

AMBIENT TEMPERATURE:

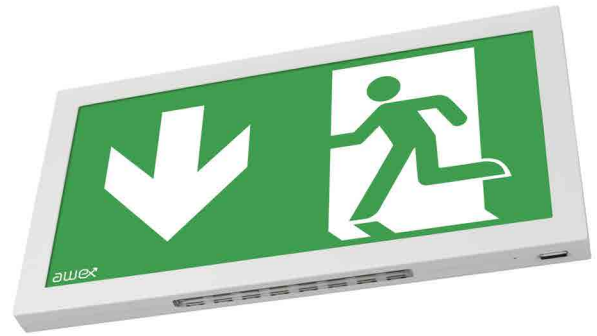
t_a: 0°C - +40°C

OPTIONS:

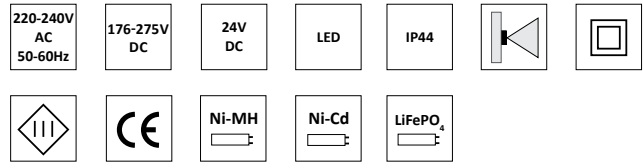
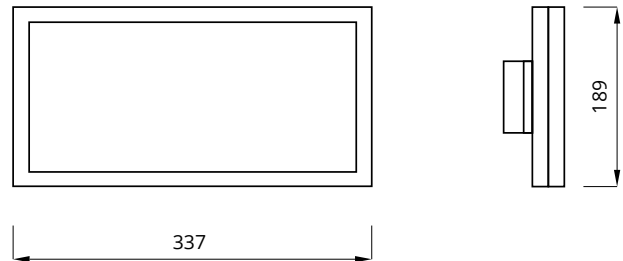
SE – non maintained
SA – maintained
AT – autotest
PT – manual test button
RU - Rubic UNA central monitoring
FZLV – central battery FZLV 24VDC
CB – central battery

ADDITIONAL INFORMATION:

LED indicator signalizes mains power supply and battery charge
Deep discharge protection
III class of insulation of FZLV version
Fixture with floor illumination system



DIMENSIONS (mm):



*see pictogram

*Emergency exit sign fixtures do not include any pictogram in the set. Pictograms have to be chosen and ordered as a separate item

EMERGENCY ESCAPE LIGHTING

SELF-CONTAINED CONFIGURATION

CODE	POWER	MODULE	AUTONOMY [h]		MODE	OPTIONS			COLOR		
STANDARD											
IF2BWD	3W	C	1	3	SA	PT	X	WH	GR	BL	
PREMIUM											
IF2BWD	3W	B	1	3	SA	AT	RU	WH	GR	BL	

OUTPUT IN EMERGENCY MODE

POWER	OUTPUT [lm]
STANDARD	
3W	70
PREMIUM	
3W	80

CENTRAL BATTERY CONFIGURATION – NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS	COLOR		
IF2BWD	3W	F	CB	CBS X	WH	GR	BL

OUTPUT IN EMERGENCY MODE

POWER	OUTPUT [lm]
3W	80

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS	COLOR		
IF2BWD	3W	Z	CB	ADE ADP	WH	GR	BL

OUTPUT IN EMERGENCY MODE

POWER	OUTPUT [lm]
3W	80

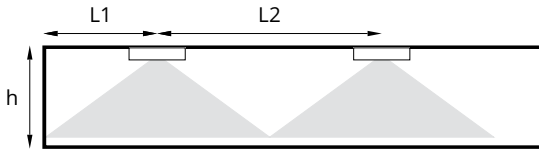
FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM	COLOR		
IF2BWD	3W	FZLV	WH	GR	BL

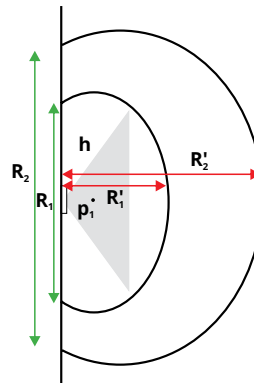
OUTPUT IN EMERGENCY MODE

POWER	OUTPUT [lm]
3W	80

Photometry of INFINITY II B – IF2BWD

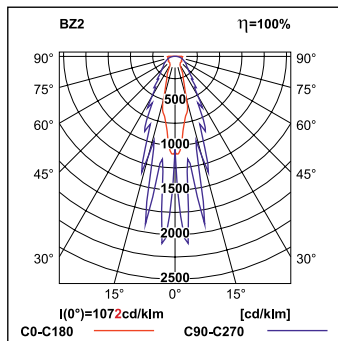


L1 – distance from the wall to the first fixture
L2 – distance between fixtures
h – height of the ceiling



R_1 – radius of the illumination for avg. 5lx
 R_1' – distance from the wall for avg. 5lx
 R_2 – radius of the illumination for avg. 1lx
 R_2' – distance from the wall for avg. 1lx
h – assembly height of the fitting
 p_1 – max light intensity under the luminaire

IF2BWD - with floor illumination system



IF2BWD 3W (80lm) min.1lx and min 5lx

h [m] - assembly height of the fitting	p_1 [lx] - max under the fitting	R_1 [m] for min. 5lx	R_1' [m] for min. 5lx	R_2 [m] for min. 1lx	R_2' [m] for min. 1lx
2	13	2,9	0,9	5,7	2,2
2,2	11	2,7	0,9	6,0	2,1
2,4	8,5	2,5	0,9	6,1	1,8
2,6	7,5	2,2	0,8	6,3	1,8
2,8	6,5	1,8	0,7	6,4	1,8
3	5,5	1,1	0,5	6,5	1,8
3,2	4,5	-	-	6,5	1,8
3,4	4,0	-	-	6,6	1,8
3,6	3,5	-	-	6,6	1,9

LEGEND:

IF2BWD – fixture INFINITY 2 one side with floor illumination
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 system
CB – central battery version
CBS – central battery for circuit monitoring
ADE – central battery with ADE address module
ADP – central battery with ADP address module – SMART technology
FZLV – central battery FZLV 24VDC

EMERGENCY ESCAPE LIGHTING

SQUARE

MATERIALS:

White plastic body
Opal plastic cover

MOUNTING:

Surface (wall, ceiling)

POWER SUPPLY:

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

LIGHT SOURCE:

1x 11W, 18W fluorescent lamp
2x 11W, 18W fluorescent lamp

CHARGING:

Maximum 24h

AUTONOMY AND BATTERIES:

1h, 2h or 3h, Ni-Cd batteries

INSULATION CLASS:

I

IP RATING:

IP54

AMBIENT TEMPERATURE:

t_a : 0°C÷40°C

OPTIONS:

SE – non maintained
SA – maintained
PT – manual test button
AT – autotest
RU – RUBIC UNA central monitoring
CB – central battery

ADDITIONAL INFORMATION:

LED indicator signalizes mains power supply and battery charge
Deep discharge protection

SELF CONTAINED CONFIGURATION

CODE	POWER	MODULE	AUTONOMY [h]	MODE	OPTIONS
SD	11W	T	1 3	SE SA	PT AT RU
SD	2x11W	T	1 3	SE SA	PT AT RU
SD	18W	T	1 3	SE SA	PT AT RU
SD	2x18W	T	1 3	SE	PT AT RU

CENTRAL BATTERY CONFIGURATION – NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS
SD	11W	T	CB	PT AT
SD	2x11W	T	CB	PT AT
SD	18W	T	CB	PT AT
SD	2x18W	T	CB	PT AT

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

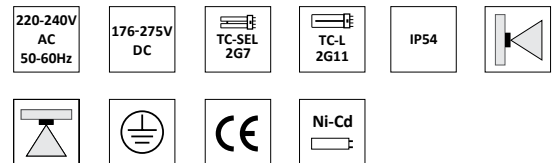
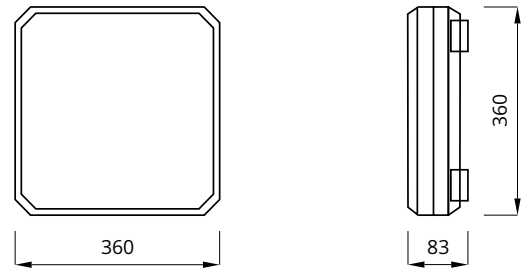
CODE	POWER	MODULE	SYSTEM	OPTIONS
SD	11W	T	CB	ADL ADS
SD	2x11W	T	CB	ADL ADS
SD	18W	T	CB	ADL ADS
SD	2x18W	T	CB	ADL ADS

LEGEND:

SD – fixture Square
T – electronic gear for LFL fittings
SE – non-maintained
SA – maintained
PT – manual test button
X – fitting without additional options
AT – autotest
RU – RUBIC UNA central monitoring system
CB – central battery version
CBS – central battery for circuit monitoring
ADL – central battery with ADL module
ADS – central battery with ADS address module – SMART technology

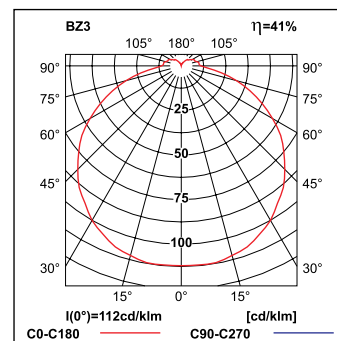


DIMENSIONS (mm):



Photometry of SQUARE: SD

SD – 18W



EMERGENCY ESCAPE LIGHTING

TWISTER

MATERIALS:

White plastic body
Opal plastic cover

MOUNTING:

Surface (wall, ceiling)

POWER SUPPLY:

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

LIGHT SOURCE:

1x 11W, 18W fluorescent lamp
2x 11W, 18W fluorescent lamp

CHARGING:

Maximum 24h

AUTONOMY AND BATTERIES:

1h, 2h or 3h, Ni-Cd batteries

INSULATION CLASS:

I

IP RATING:

IP54

AMBIENT TEMPERATURE:

t_a : 0°C÷40°C

OPTIONS:

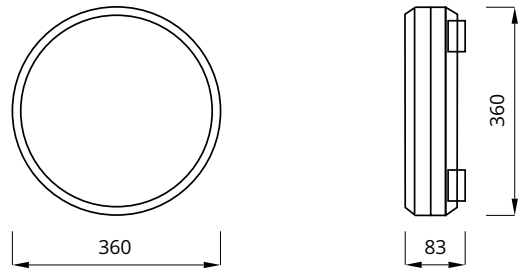
SE – non maintained
SA – maintained
PT – manual test button
AT – autotest
RU – RUBIC UNA central monitoring
CB – central battery

ADDITIONAL INFORMATION:

LED indicator signalizes mains power supply and battery charge
Deep discharge protection



DIMENSIONS (mm):



SELF CONTAINED CONFIGURATION

CODE	POWER	MODULE	AUTONOMY [h]		MODE		OPTIONS		
TD	11W	T	1	3	SE	SA	PT	AT	RU
TD	2x11W	T	1	3	SE	SA	PT	AT	RU
TD	18W	T	1	3	SE	SA	PT	AT	RU
TD	2x18W	T	1	3	SE		PT	AT	RU

CENTRAL BATTERY CONFIGURATION – NON-ADDRESSABLE

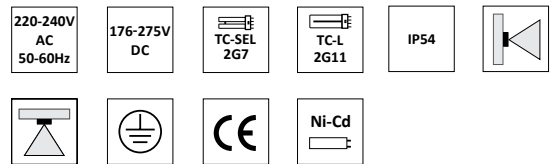
CODE	POWER	MODULE	SYSTEM	OPTIONS
TD	11W	T	CB	CBS X
TD	2x11W	T	CB	CBS X
TD	18W	T	CB	CBS X
TD	2x18W	T	CB	CBS X

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

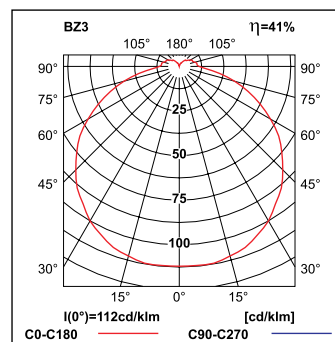
CODE	POWER	MODULE	SYSTEM	OPTIONS
TD	11W	T	CB	ADL ADS
TD	2x11W	T	CB	ADL ADS
TD	18W	T	CB	ADL ADS
TD	2x18W	T	CB	ADL ADS

LEGEND:

TD – fixture Twister
T – electronic gear for LFL fittings
SE – non-maintained
SA – maintained
PT – manual test button
X – fitting without additional options
AT – autotest
RU – RUBIC UNA central monitoring system
CB – central battery version
CBS – central battery for circuit monitoring
ADL – central battery with ADL module
ADS – central battery with ADS address module – SMART technology



Photometry of TWISTER: TD – 18W



EMERGENCY ESCAPE LIGHTING

HERMETICA

MATERIALS:

Grey polycarbonate body
Transparent polycarbonate cover

MOUNTING:

Surface (wall, ceiling)

POWER SUPPLY:

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

LIGHT SOURCE:

1x 14, 18, 24, 28, 35, 36, 49, 54, 58, 80W fluorescent lamp
2x 14, 18, 24, 28, 35, 36, 49, 54, 58, 80W fluorescent lamp

CHARGING:

Maximum 12h

AUTHONOMY AND BATTERIES:

1h, 2h or 3h, Ni-Cd batteries

INSULATION CLASS:

I

IP RATING:

IP65

AMBIENT TEMPERATURE:

t_a: 0°C÷40°C

t_a: -25°C ÷ 40°C – together with heater for low temperatures

OPTIONS:

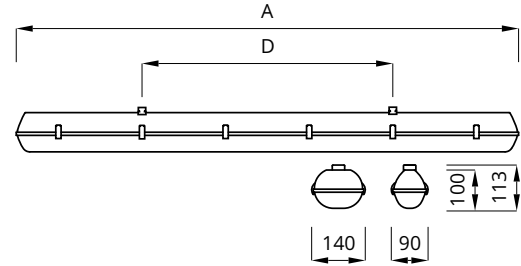
- SE – non maintained
- SA – maintained
- PT – manual test button
- AT – autotest
- RU – RUBIC UNA central monitoring
- CB – central battery

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
Protection against mechanical impacts – IK08

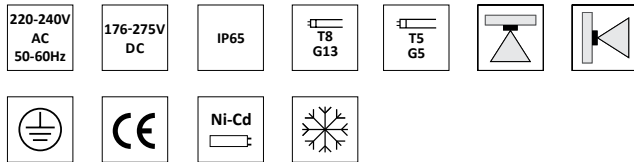


DIMENSIONS (mm):



Dimensions [mm]

POWER [W]	AxD
1x14/18/24	670x350
2x14/18/24	670x350
1x28/36/54	1270x700
2x28/36/54	1270x700
1x35/49/58/80	1570x940
2x35/49/58/80	1570x940



EMERGENCY ESCAPE LIGHTING

SELF CONTAINED CONFIGURATION

CODE	POWER [W]	MODULE	AUTONOMY [h]	MODE	OPTION
HR	14 2x14	T	1 3	SE SA	PT AT RU
HR	18 2x18	T	1 3	SE SA	PT AT RU
HR	24 2x24	T	1 3	SE SA	PT AT RU
HR	28 2x28	T	1 3	SE SA	PT AT RU
HR	35 2x35	T	1 3	SE SA	PT AT RU
HR	36 2x36	T	1 3	SE SA	PT AT RU
HR	49 2x49	T	1 3	SE SA	PT AT RU
HR	54 2x54	T	1 3	SE SA	PT AT RU
HR	58 2x58	T	1 3	SE SA	PT AT RU
HR	80 2x80	T	1 3	SE SA	PT AT RU

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

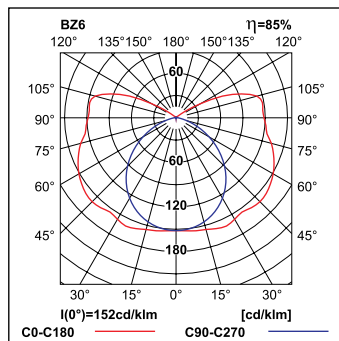
CODE	POWER [W]	MODULE	SYSTEM	OPTIONS
HR	14 2x14	T	CB	CBS X
HR	18 2x18	T	CB	CBS X
HR	24 2x24	T	CB	CBS X
HR	28 2x28	T	CB	CBS X
HR	35 2x35	T	CB	CBS X
HR	36 2x36	T	CB	CBS X
HR	49 2x49	T	CB	CBS X
HR	54 2x54	T	CB	CBS X
HR	58 2x58	T	CB	CBS X
HR	80 2x80	T	CB	CBS X

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

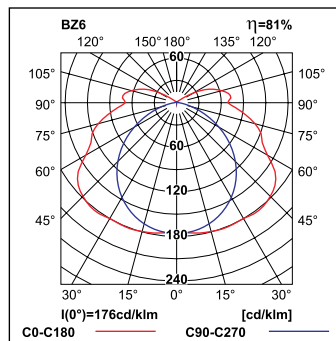
CODE	POWER [W]	MODULE	SYSTEM	OPTIONS
HR	14 2x14	T	CB	ADL ADS
HR	18 2x18	T	CB	ADL ADS
HR	24 2x24	T	CB	ADL ADS
HR	28 2x28	T	CB	ADL ADS
HR	35 2x35	T	CB	ADL ADS
HR	36 2x36	T	CB	ADL ADS
HR	49 2x49	T	CB	ADL ADS
HR	54 2x54	T	CB	ADL ADS
HR	58 2x58	T	CB	ADL ADS
HR	80 2x80	T	CB	ADL ADS

Photometry of HERMETICA: HR

HR - 1x18W



HR - 2x18W



Legend:

- SE - non maintained
- SA - maintained
- PT - manual test button
- AT - autotest
- RS - RUBIC central monitoring
- CB - central battery
- CBS - central battery (circuit monitoring)
- ADS - central battery with ADS address module - SMART technology
- ADL - central battery with ADL address module
- HR - fixture Hermetica

EMERGENCY ESCAPE LIGHTING

JOBLED

MATERIALS:

Black, hit resistant polycarbonate

POWER SUPPLY:

230 VAC/50Hz optionally - 12 VDC

LIGHT SOURCE:

3W (120 lm) highpower LED

CHARGING:

Maximum 24h

AUTONOMY AND BATTERIES:

8,5h 6V / 4,0 Ah batteries

INSULATION CLASS:

II

IP RATING:

IP43

ADDITIONAL INFORMATION:

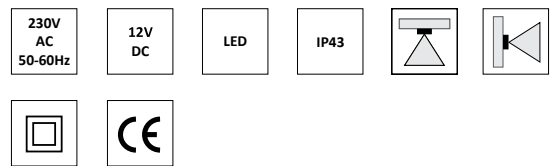
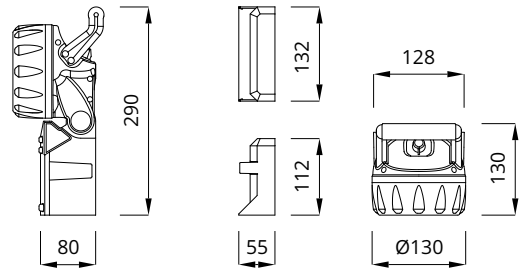
LED indicator signalizes mains power supply and battery charge
Charging through wall mounted adapter or directly from mains 230V



SELF CONTAINED CONFIGURATION

CODE	POWER [W]	MODULE	AUTONOMY [h]
JOBLED	3	z	8,5

DIMENSIONS (mm):





EMERGENCY EXIT SIGNS

ARROW N	60
ARROW P	62
EXIT	64
INFINITY II AW	66
INFINITY II AC & INFINITY II AL	68
INFINITY II B	70
SK-8	72
TWINS	74
ESCAPE & ESCAPE LED	76
HELIOS & HELIOS LED	78
HELIOS DS & HELIOS DS LED	80
HELIOS P & HELIOS P LED	82
TIGER & TIGER LED	84
TIGER DS & TIGER DS LED	86
TIGER P & TIGER P LED	88
PANORAMA & PANORAMA LED	90
SCREEN	92
SCREEN DS	94
EMX	96
QUADRO	97



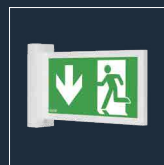
ARROW N



ARROW P



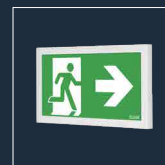
EXIT



INFINITY II AW



INFINITY II AC
& INFINITY II AL



INFINITY II B



SK-8



TWINS



ESCAPE
& ESCAPE LED



HELIOS
& HELIOS LED



HELIOS DS
& HELIOS DS
LED



HELIOS P
& HELIOS P LED



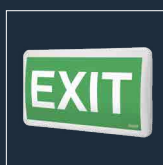
TIGER
& TIGER LED



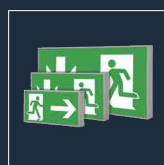
TIGER DS
& TIGER DS LED



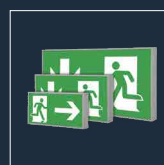
TIGER P
& TIGER P LED



PANORAMA
& PANORAMA
LED



SCREEN



SCREEN DS



EMX



QUADRO

TWO-SIDED EMERGENCY EXIT SIGNS

ARROW N

MATERIALS:

White, grey or black polycarbonate body
Plexi glass

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 LED

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, Ni-MH 4,8V batteries or LiFePO₄ 6,4V*
*optional

INSULATION CLASS:

II or III

IP RATING:

IP44

VIEWING DISTANCE:

25m

AMBIENT TEMPERATURE:

t_a: 0°C - +40°C

OPTIONS:

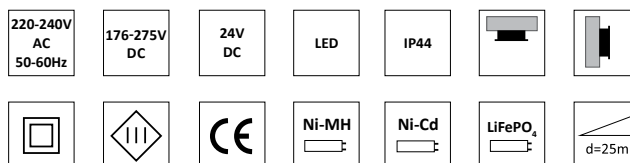
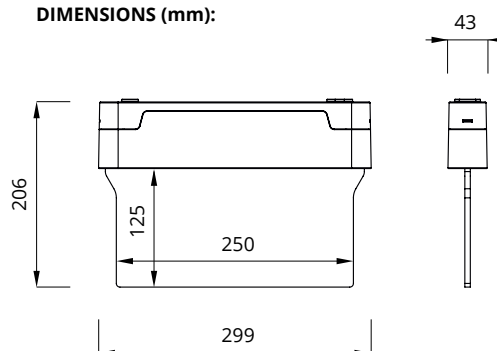
SE – non maintained
SA – maintained
AT – autotest
PT – manual test button
RU – Rubic UNA central monitoring
FZLV – central battery FZLV 24VDC
CB – central battery

ADDITIONAL INFORMATION:

LED indicator signalizes mains power supply and battery charge
Deep discharge protection
III class of insulation of FZLV version



DIMENSIONS (mm):



*see pictogram

*Emergency exit sign fixtures do not include any pictogram in the set. Pictograms have to be chosen and ordered as a separate item

TWO-SIDED EMERGENCY EXIT SIGNS

SELF-CONTAINED CONFIGURATION:

CODE	POWER	MODULE	AUTONOMY [h]		MODE	OPTIONS		COLOR		
BASIC										
ARN	1W	E	1	3	SE	PT	X	WH	GR	BL
STANDARD										
ARN	1W	C	1	3	SA	PT	X	WH	GR	BL
ARN	2W	C	1	3	SA	PT	X	WH	GR	BL
PREMIUM										
ARN	1W	B	1	3	SA	AT	RU	WH	GR	BL
ARN	2W	B	1	3	SA	AT	RU	WH	GR	BL

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR		
ARN	1W	F	CB	CBS	X	WH	GR	BL
ARN	2W	F	CB	CBS	X	WH	GR	BL

CENTRAL BATTERY CONFIGURATION - ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR		
ARN	1W	Z	CB	ADE	ADP	WH	GR	BL
ARN	2W	Z	CB	ADE	ADP	WH	GR	BL

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM	COLOR		
ARN	1W	FZLV	WH	GR	BL
ARN	2W	FZLV	WH	GR	BL

LEGEND:

- ARN - fixture ARROW N
- 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 system
- CB - central battery version
- CBS - central battery for circuit monitoring
- ADE - central battery with ADE address module
- ADP - central battery with ADP address module - SMART technology
- FZLV - central battery FZLV 24 VDC
- WH - white color
- GR - grey color
- BL - black color

TWO-SIDED EMERGENCY EXIT SIGNS

ARROW P

MATERIALS:

White, grey or black polycarbonate body
Plexi glass

MOUNTING:

Recessed (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 LED

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, Ni-MH 4,8V batteries

INSULATION CLASS:

II or III

IP RATING:

IP44

VIEWING DISTANCE:

25m

AMBIENT TEMPERATURE:

t_a: 0°C - +40°C

OPTIONS:

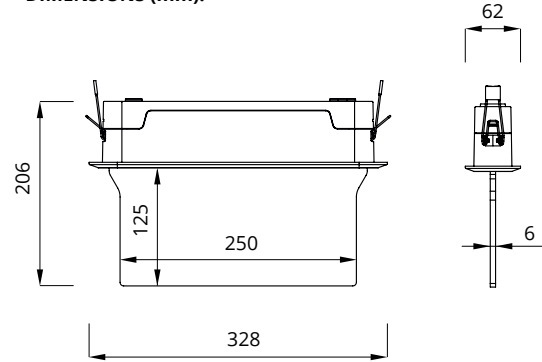
SE – non maintained
SA – maintained
AT – autotest
PT – manual test button
RU – Rubic UNA central monitoring
FZLV – central battery FZLV 24VDC
CB – central battery

ADDITIONAL INFORMATION:

LED indicator signalizes mains power supply and battery charge
Deep discharge protection
III class of insulation of FZLV version



DIMENSIONS (mm):



220-240V AC 50-60Hz	176-275V DC	24V DC	LED	IP44		
	CE	Ni-MH 	Ni-Cd 	LiFePO ₄ 		d=25m



*see pictogram

*Emergency exit sign fixtures do not include any pictogram in the set. Pictograms have to be chosen and ordered as a separate item

TWO-SIDED EMERGENCY EXIT SIGNS

SELF-CONTAINED CONFIGURATION:

CODE	POWER	MODULE	AUTONOMY [h]		MODE	OPTIONS			COLOR		
BASIC											
ARP	1W	E	1	3	SE	PT	X	WH	GR	BL	
STANDARD											
ARP	1W	C	1	3	SA	PT	X	WH	GR	BL	
ARP	2W	C	1	3	SA	PT	X	WH	GR	BL	
PREMIUM											
ARP	1W	B	1	3	SA	AT	RU	WH	GR	BL	
ARP	2W	B	1	3	SA	AT	RU	WH	GR	BL	

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS			COLOR		
ARP	1W	F	CB	CBS	X	WH	GR	BL	
ARP	2W	F	CB	CBS	X	WH	GR	BL	

CENTRAL BATTERY CONFIGURATION - ADDRESSABLE:

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR		
ARP	3W	Z	CB	ADE	ADP	WH	GR	BL
ARP	2W	Z	CB	ADE	ADP	WH	GR	BL

FZLV SYSTEM CONFIGURATION:

CODE	POWER	SYSTEM	COLOR		
ARP	1W	FZLV	WH	GR	BL
ARP	2W	FZLV	WH	GR	BL

LEGEND:

- ARP – fixture ARROW P
- 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 system
- CB – central battery version
- CBS – central battery for circuit monitoring
- ADE – central battery with ADE address module
- ADP – central battery with ADP address module – SMART technology
- FZLV – central battery FZLV 24 VDC
- WH – white color
- GR – grey color
- BL – black color

ONE OR TWO-SIDED EMERGENCY EXIT SIGNS

EXIT

MATERIALS:

White, gray or black polycarbonate body
Transparent polycarbonate cover
Plexi glass

MOUNTING:

Surface (wall, ceiling**)
Optionally recessed*** (wall, ceiling**)
Optionally pendant**** (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 LED

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, Ni-MH 4,8V batteries or LiFePO₄ 6,4V *
*optional

INSULATION CLASS:

II or III

IP RATING:

IP65

VIEWING DISTANCE:

25 m

AMBIENT TEMPERATURE:

t_a: 0°C ÷ 40°C
t_a: -25°C ÷ 40°C – together with heater for low temperatures

OPTIONS:

SE – non maintained
SA – maintained
PT – manual test button
AT – autotest
RU – Rubic UNA central monitoring
FZLV – central battery FZLV 24VDC
CB – central battery

ADDITIONAL INFORMATION:

LED indicator signalizes mains power supply and battery charging
Deep discharge protection
Optional adaptation of the fixture for low temperatures up to -25°C
III class of insulation of FZLV version

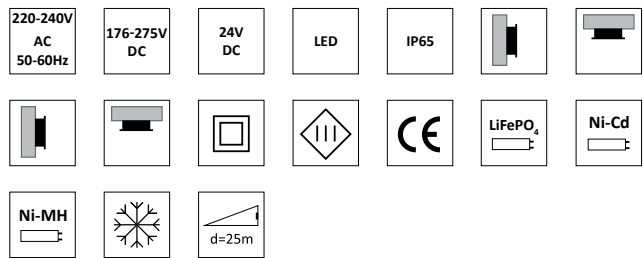
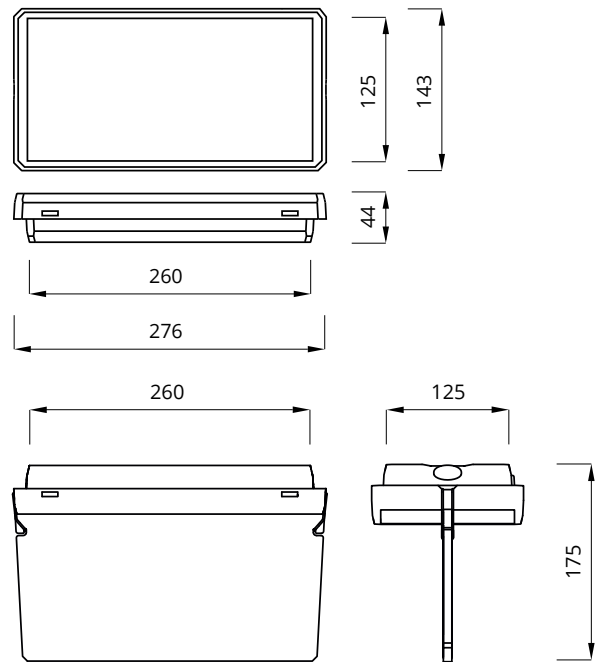
**additional plexi for two-sided emergency exit signs

***requires an accessory for recessed mounting

****requires an accessory for pendant mounting



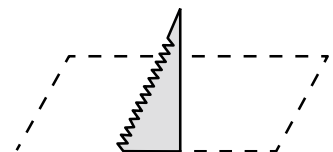
DIMENSIONS (mm):



*see pictogram

RECESSING CUT (mm):

- wall
- ceiling



125 x 260

*Emergency exit sign fixtures do not include any pictogram in the set. Pictograms have to be chosen and ordered as a separate item

ONE OR TWO-SIDED EMERGENCY EXIT SIGNS

SELF-CONTAINED CONFIGURATION:

CODE	POWER	MODULE	AUTONOMY [h]		MODE	OPTIONS		COLOR		
BASIC										
ETE	1W	E	1	3	SE	PT	X	WH	GR	BL
STANDARD										
ETE	1W	C	1	3	SA	PT	X	WH	GR	BL
ETE	2W	C	1	3	SA	PT	X	WH	GR	BL
PREMIUM										
ETE	1W	B	1	3	SA	AT	RU	WH	GR	BL
ETE	2W	B	1	3	SA	AT	RU	WH	GR	BL

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR		
ETE	1W	F	CB	CBS	X	WH	GR	BL
ETE	2W	F	CB	CBS	X	WH	GR	BL

CENTRAL BATTERY CONFIGURATION - ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR		
ETE	1W	Z	CB	ADE	ADP	WH	GR	BL
ETE	2W	Z	CB	ADE	ADP	WH	GR	BL

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM	COLOR		
ETE	1W	FZLV	WH	GR	BL
ETE	2W	FZLV	WH	GR	BL



LEGEND:

- ETE – fitting EXIT IP65
- 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 system
- CB – central battery version
- CBS – central battery for circuit monitoring
- ADE – central battery with ADE address module
- ADP – central battery with ADP address module – SMART technology
- FZLV – central battery FZLV 24 VDC
- WH – white color
- GR – grey color
- BL – black color

TWO-SIDED EMERGENCY EXIT SIGNS

INFINITY II AW

MATERIALS:

White or grey polycarbonate body
Plexi glass

MOUNTING:

Surface (wall)
Optionally recessed (wall**)

POWER SUPPLY:

Self contained – 220 - 240VAC/50 - 60Hz
Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC
Central battery FZLV – 24VDC

LIGHT SOURCE:

1W ,2W LED

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, Ni-MH 4,8V batteries or LiFePO₄ 6,4V*
*optional

INSULATION CLASS:

II or III

IP RATING:

IP44

VIEWING DISTANCE:

30m

AMBIENT TEMPERATURE:

t_a: 0°C - + 40°C

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:

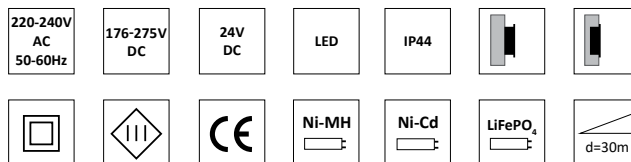
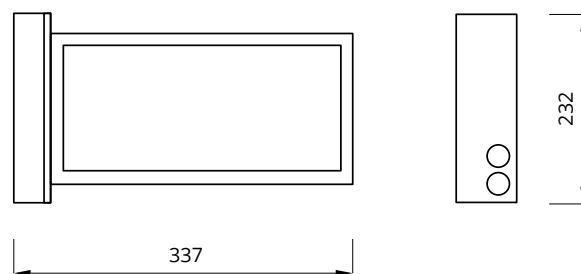
LED indicator signalizes mains power supply and battery charge
Deep discharge protection

III class of insulation of FZLV version

**requires an accessory - concrete box



DIMENSIONS (mm):



*see pictogram

*Emergency exit sign fixtures do not include any pictogram in the set. Pictograms have to be chosen and ordered as a separate item

TWO-SIDED EMERGENCY EXIT SIGNS

SELF-CONTAINED CONFIGURATION:

CODE	POWER	MODULE	AUTONOMY [h]		MODE	OPTIONS		COLOR	
BASIC									
IF2AWS	1W	E	1	3	SE	PT	X	WH	GR
STANDARD									
IF2AWS	1W	C	1	3	SA	PT	X	WH	GR
IF2AWS	2W	C	1	3	SA	PT	X	WH	GR
PREMIUM									
IF2AWS	1W	B	1	3	SA	AT	RU	WH	GR
IF2AWS	2W	B	1	3	SA	AT	RU	WH	GR

CENTRAL BATTERY CONFIGURATION – NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM		OPTIONS		COLOR	
IF2AWS	1W	F	CB		CBS	X	WH	GR
IF2AWS	2W	F	CB		CBS	X	WH	GR

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

CODE	POWER	MODULE	SYSTEM		OPTIONS		COLOR	
IF2AWS	1W	Z	CB		ADE	ADP	WH	GR
IF2AWS	2W	Z	CB		ADE	ADP	WH	GR

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM		COLOR	
IF2AWS	1W	FZLV		WH	GR
IF2AWS	2W	FZLV		WH	GR

LEGEND:

IF2AWS – fixture INFINITY II AW

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 system

CB – central battery version

CBS – central battery for circuit monitoring

ADE – central battery with ADE address module

ADP – central battery with ADP address module – SMART technology

FZLV – central battery FZLV 24 VDC

WH – white color

GR – grey color

TWO-SIDED EMERGENCY EXIT SIGNS

INFINITY II AC & INFINITY II AL

MATERIALS:

White or grey polycarbonate body
Plexi glass

MOUNTING:

Surface (ceiling, rope sling)
Optionally recessed (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 LED

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, Ni-MH 4,8V batteries or LiFePO₄ 6,4V*
*optional

INSULATION CLASS:

II or III

IP RATING:

IP44

VIEWING DISTANCE:

30m

AMBIENT TEMPERATURE:

t_a: 0°C÷40°C

OPTIONS:

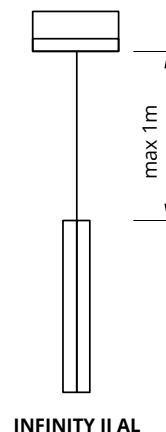
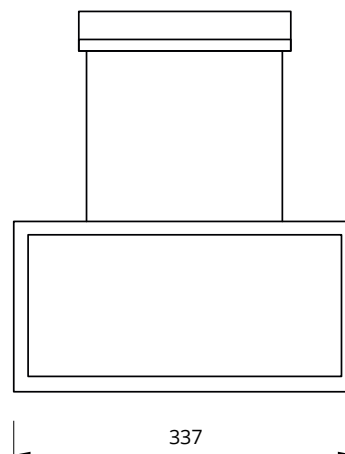
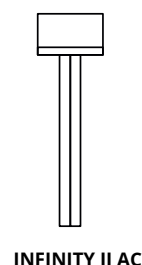
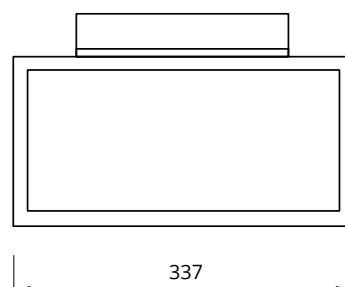
SE – non maintained
SA – maintained
PT – manual test button
AT – autotest
RU – Rubic UNA central monitoring
FZLV – central battery FZLV 24VDC
CB – central battery

ADDITIONAL INFORMATION:

LED indicator mains power supply and battery charge
Deep discharge protection
III class of insulation of FZLV version
**requires an accessory for recessed mounting



DIMENSIONS (mm):



220-240V AC 50-60Hz	176-275V DC	24V DC	LED	IP44		
		CE	Ni-MH 	Ni-Cd 	LiFePO ₄ 	 d=30m



*see pictogram

*Emergency exit sign fixtures do not include any pictogram in the set. Pictograms have to be chosen and ordered as a separate item

TWO-SIDED EMERGENCY EXIT SIGNS

SELF-CONTAINED CONFIGURATION:

CODE	POWER	MODULE	AUTONOMY [h]		MODE	OPTIONS		COLOR	
BASIC									
IF2ACS IF2ALS	1W	E	1	3	SE	PT	X	WH	GR
STANDARD									
IF2ACS IF2ALS	1W	C	1	3	SA	PT	X	WH	GR
IF2ACS IF2ALS	2W	C	1	3	SA	PT	X	WH	GR
PREMIUM									
IF2ACS IF2ALS	1W	B	1	3	SA	AT	RU	WH	GR
IF2ACS IF2ALS	2W	B	1	3	SA	AT	RU	WH	GR

CENTRAL BATTERY CONFIGURATION – NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR	
IF2ACS IF2ALS	1W	F	CB	CBS	X	WH	GR
IF2ACS IF2ALS	2W	F	CB	CBS	X	WH	GR

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR	
IF2ACS IF2ALS	1W	Z	CB	ADE	ADP	WH	GR
IF2ACS IF2ALS	2W	Z	CB	ADE	ADP	WH	GR

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM	COLOR	
IF2ACS IF2ALS	1W	FZLV	WH	GR
IF2ACS IF2ALS	2W	FZLV	WH	GR



LEGEND:

- IF2ACS – fixture INFINITY II AC
- IF2ALS – fixture INFINITY II AL
- 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 system
- CB – central battery version
- CBS – central battery for circuit monitoring
- ADE – central battery with ADE address module
- ADP – central battery with ADP address module – SMART technology
- FZLV – central battery FZLV 24 VDC
- WH – white color
- GR – grey color

ONE-SIDED EMERGENCY EXIT SIGNS

INFINITY II B

MATERIALS:

White or grey polycarbonate body
Plexi glass

MOUNTING:

Surface (wall)
Optionally recessed (wall**)

POWER SUPPLY:

Self contained – 220 - 240VAC/50 - 60Hz
Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC
Central battery FZLV – 24VDC

LIGHT SOURCE:

1W ,2W LED

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, Ni-MH 4,8V batteries or LiFePO₄ 6,4V*
*optional

INSULATION CLASS:

II or III

IP RATING:

IP44

VIEWING DISTANCE:

30m

AMBIENT TEMPERATURE:

t_a: 0°C - + 40°C

OPTIONS:

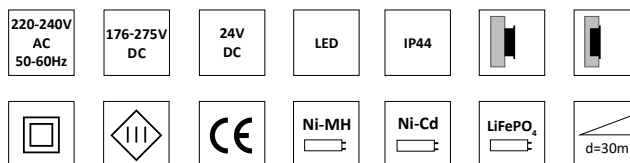
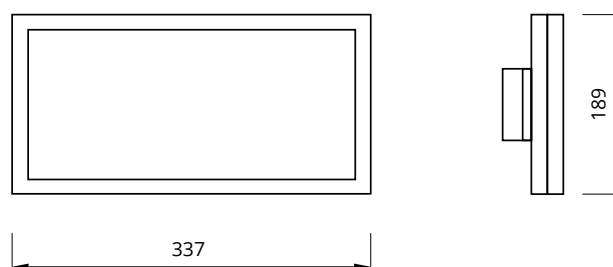
SE – non maintained
SA – maintained
AT – autotest
PT – manual test button
RU - Rubic UNA central monitoring
FZLV – central battery FZLV 24VDC
CB – central battery

ADDITIONAL INFORMATION:

LED indicator signalizes mains power supply and battery charge
Deep discharge protection
III class of insulation of FZLV version
**requires an accessory - concrete box



DIMENSIONS (mm):



*see pictogram

*Emergency exit sign fixtures do not include any pictogram in the set. Pictograms have to be chosen and ordered as a separate item

ONE-SIDED EMERGENCY EXIT SIGNS

SELF-CONTAINED CONFIGURATION:

CODE	POWER	MODULE	AUTONOMY [h]		MODE	OPTIONS		COLOR	
BASIC									
IF2BNWS	1W	E	1	3	SE	PT	X	WH	GR
STANDARD									
IF2BNWS	1W	C	1	3	SA	PT	X	WH	GR
IF2BNWS	2W	C	1	3	SA	PT	X	WH	GR
PREMIUM									
IF2BNWS	1W	B	1	3	SA	AT	RU	WH	GR
IF2BNWS	2W	B	1	3	SA	AT	RU	WH	GR

CENTRAL BATTERY CONFIGURATION – NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR	
IF2BNWS	1W	F	CB	CBS	X	WH	GR
IF2BNWS	2W	F	CB	CBS	X	WH	GR

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR	
IF2BNWS	1W	Z	CB	ADE	ADP	WH	GR
IF2BNWS	2W	Z	CB	ADE	ADP	WH	GR

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM	COLOR	
IF2BNWS	1W	FZLV	WH	GR
IF2BNWS	2W	FZLV	WH	GR

LEGEND:

IF2BNWS – fixture INFINITY II B

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 system

CB – central battery version

CBS – central battery for circuit monitoring

ADE – central battery with ADE address module

ADP – central battery with ADP address module – SMART technology

FZLV – central battery FZLV 24 VDC

WH – white color

GR – grey color

TWO-SIDED EMERGENCY EXIT SIGNS

SK-8

MATERIALS:

White polycarbonate body
Opal polycarbonate cover

MOUNTING:

Surface (ceiling, wall)
Optional recessed (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 LED

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, Ni-MH 4,8V batteries or LiFePO₄ 6,4V*
*optional

INSULATION CLASS:

II or III

IP RATING:

IP44

VIEWING DISTANCE:

30m

AMBIENT TEMPERATURE:

t_a: 0°C÷40°C

OPTIONS:

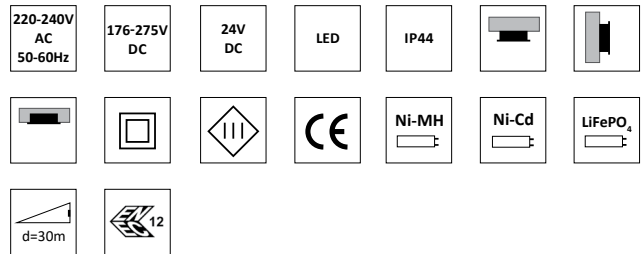
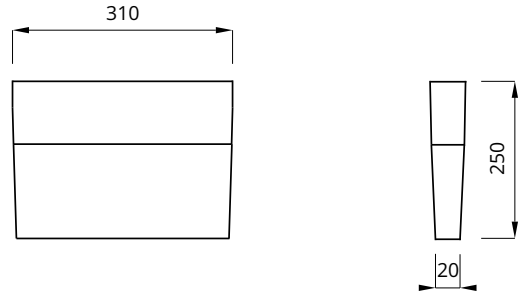
SE – non maintained
SA – maintained
PT – manual test button
AT – autotest
RU – Rubic UNA central monitoring
FZLV – central battery FZLV 24VDC
CB – central battery

ADDITIONAL INFORMATION:

LED indicator signalizes mains power supply and battery charge
Deep discharge protection
III class of insulation of FZLV version
**requires an accessory for recessed mounting



DIMENSIONS (mm):



*see pictogram



KM 618355
BS-EN60592-2-22

*emergency exit sign fixtures do not include any pictogram in the set. Pictograms have to be chosen and ordered as a separate item.
**current list of products with Kiteramk and ENEC is available at www.awex.eu

TWO-SIDED EMERGENCY EXIT SIGNS

SELF-CONTAINED CONFIGURATION:

CODE	POWER	MODULE	AUTONOMY [h]		MODE	OPTIONS		COLOR
BASIC								
SK8	1W	E	1	3	SE	PT	X	WL
STANDARD								
SK8	1W	C	1	3	SA	PT	X	WL
SK8	2W	C	1	3	SA	PT	X	WL
PREMIUM								
SK8	1W	B	1	3	SA	AT	RU	WL
SK8	2W	B	1	3	SA	AT	RU	WL

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR
SK8	1W	F	CB	CBS	X	WL
SK8	2W	F	CB	CBS	X	WL

CENTRAL BATTERY CONFIGURATION - ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR
SK8	1W	Z	CB	ADE	ADP	WL
SK8	2W	Z	CB	ADE	ADP	WL

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM	COLOR
SK8	1W	FZLV	WL
SK8	2W	FZLV	WL

LEGEND:

SK8 – fixture SK-8

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 system

CB – central battery version

CBS – central battery for circuit monitoring

ADE – central battery with ADE address module

ADP – central battery with ADP address module – SMART technology

FZLV – central battery FZLV 24 VDC

WL – white body and opal cover

TWO-SIDED EMERGENCY EXIT SIGNS

TWINS

MATERIALS:

Silver or black aluminium body
Plexi glass

MOUNTING:

Surface (wall, ceiling)
Assembly on rope slings or wall mounting bracket as an option

POWER SUPPLY:

Self contained – 220 - 240VAC/50 - 60Hz
Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC
Central battery FZLV – 24VDC

LIGHT SOURCE:

1W, 2W LED
8W fluorescent lamp

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, Ni-MH 4,8V batteries or LiFePO₄ 6,4V*
*optional

INSULATION CLASS:

I or III

IP RATING:

IP44

VIEWING DISTANCE:

30m

AMBIENT TEMPERATURE:

t_a: 0°C - +40°C

OPTIONS:

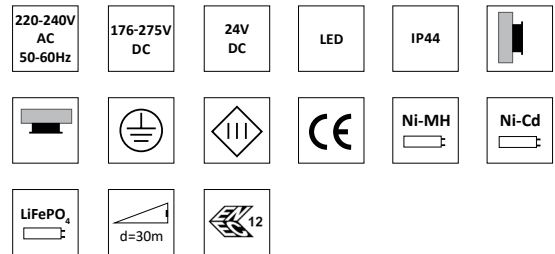
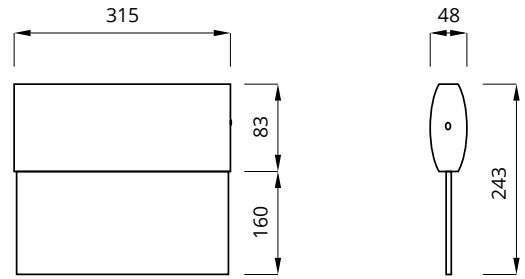
SE – non maintained
SA – maintained
AT – autotest
PT – manual test button
RU – Rubic UNA central monitoring
FZLV – central battery FZLV 24VDC
CB – central battery

ADDITIONAL INFORMATION:

LED indicator signalizes mains power supply and battery charge
Deep discharge protection
III class of insulation of FZLV version



DIMENSIONS (mm):



*see pictogram



KM 618355
BS-EN60592-2-22

*emergency exit sign fixtures do not include any pictogram in the set. Pictograms have to be chosen and ordered as a separate item.

**current list of products with Kiteramk and ENEC is available at www.awex.eu

TWO-SIDED EMERGENCY EXIT SIGNS

SELF-CONTAINED CONFIGURATION:

CODE	POWER	MODULE	AUTONOMY [h]		MODE	OPTIONS		COLOR	
BASIC									
TW	1W	E	1	3	SE	PT	X	SR	BL
STANDARD									
TW	1W	C	1	3	SA	PT	X	SR	BL
TW	2W	C	1	3	SA	PT	X	SR	BL
TW	8W	T	1	3	SA SE	PT AT RU		SR	BL
PREMIUM									
TW	1W	B	1	3	SA	AT	RU	SR	BL
TW	2W	B	1	3	SA	AT	RU	SR	BL

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR	
TW	1W	F	CB	CBS	X	SR	BL
TW	2W	F	CB	CBS	X	SR	BL
TW	8W	T	CB	CBS	X	SR	BL

CENTRAL BATTERY CONFIGURATION - ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR	
TW	1W	Z	CB	ADE	ADP	SR	BL
TW	2W	Z	CB	ADE	ADP	SR	BL
TW	8W	T	CB	ADL	ADS	SR	BL

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM	COLOR	
TW	1W	FZLV	SR	BL
TW	2W	FZLV	SR	BL

LEGEND:

- TW – fixture TWINS
- 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
- T – electronic gear for LFL 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 system
- CB – central battery version
- CBS – central battery for circuit monitoring
- ADL – central battery with ADL module
- ADS – central battery with ADS address module – SMART technology
- ADE – central battery with ADE address module
- ADP – central battery with ADP address module – SMART technology
- FZLV – central battery FZLV 24 VDC
- SR – silver color
- BL – black color

TWO-SIDED EMERGENCY EXIT SIGNS

ESCAPE & ESCAPE LED

MATERIALS:

Steel body in white color
Plexi glass

MOUNTING:

Surface (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 LED
8W fluorescent lamp

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, Ni-MH 4,8V batteries or LiFePO₄ 6,4V*
*optional

INSULATION CLASS:

I or III

IP RATING:

IP20

VIEWING DISTANCE:

30m

AMBIENT TEMPERATURE:

t_a: 0°C÷40°C

OPTIONS:

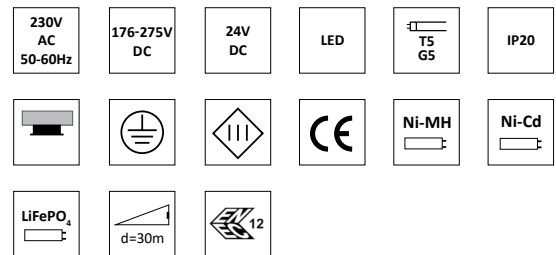
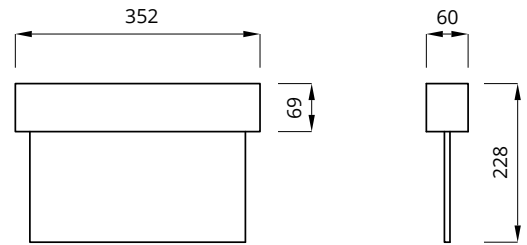
SE – non maintained
SA – maintained
PT – manual test button
AT – autotest
RU – Rubic UNA central monitoring
FZLV – central battery FZLV 24VDC
CB – central battery

ADDITIONAL INFORMATION:

LED indicator signalizes mains power supply and battery charge
Deep discharge protection
III class of insulation of FZLV version



DIMENSIONS (mm):



*see pictogram



KM 618355
BS-EN60592-2-22

*emergency exit sign fixtures do not include any pictogram in the set. Pictograms have to be chosen and ordered as a separate item.

**current list of products with Kiteramk and ENEC is available at www.awex.eu

TWO-SIDED EMERGENCY EXIT SIGNS

SELF-CONTAINED CONFIGURATION:

CODE	POWER	MODULE	AUTONOMY [h]		MODE	OPTIONS	
BASIC							
EL	1W	E	1	3	SE	PT	X
STANDARD							
EL	1W	C	1	3	SA	PT	X
EL	2W	C	1	3	SA	PT	X
E	8W	T	1	3	SE SA	PT AT RU	
PREMIUM							
EL	1W	B	1	3	SA	AT	RU
EL	2W	B	1	3	SA	AT	RU

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS
EL	1W	F	CB	CBS X
EL	2W	F	CB	CBS X
E	8W	T	CB	CBS X

CENTRAL BATTERY CONFIGURATION - ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS
EL	1W	Z	CB	ADE ADP
EL	2W	Z	CB	ADE ADP
E	8W	T	CB	ADL ADS

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM
EL	1W	FZLV
EL	2W	FZLV

LEGEND:

- EL – fixture ESCAPE LED
- E – fixture ESCAPE
- 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
- T – electronic gear for LFL 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 system
- CB – central battery version
- CBS – central battery for circuit monitoring
- ADL – central battery with ADL module
- ADS – central battery with ADS address module – SMART technology
- ADE – central battery with ADE address module
- ADP – central battery with ADP address module – SMART technology
- FZLV – central battery FZLV 24 VDC

ONE-SIDED EMERGENCY EXIT SIGNS

HELIOS & HELIOS LED

MATERIALS:

White polycarbonate body
Transparent cover with Fresnel optics or opal polycarbonate cover

MOUNTING:

Surface (wall)
Optional assembly with wall or ceiling bracket

POWER SUPPLY:

Self contained – 220 - 240VAC/50 - 60Hz
Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC
Central battery FZLV – 24VDC

LIGHT SOURCE:

1W, 2W LED
8W fluorescent lamp

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, Ni-MH 4,8V batteries or LiFePO4 6,4V*
*optional

INSULATION CLASS:

II or III

IP RATING:

IP42 or IP65

VIEWING DISTANCE:

25m

AMBIENT TEMPERATURE:

t_a : 0°C ÷ 40°C
 t_a : -25°C ÷ 40°C – together with heater for low temperatures

OPTIONS:

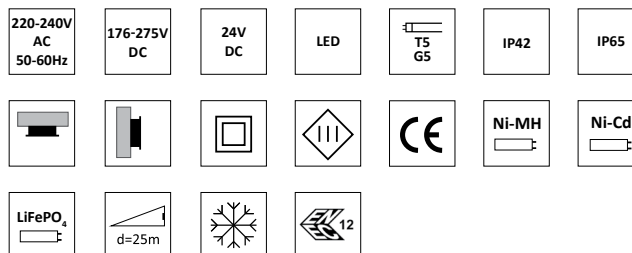
SE – non maintained
SA – maintained
PT – manual test button
AT – autotest
RU – Rubic UNA central monitoring
FZLV – central battery FZLV 24VDC
CB – central battery

ADDITIONAL INFORMATION:

LED indicator signalizes mains power supply and battery charge
Deep discharge protection
Protection against mechanical impacts – IK08
III class of insulation of FZLV version



DIMENSIONS (mm):



*see pictogram



KM 618355
BS-EN60592-2-22

*emergency exit sign fixtures do not include any pictogram in the set. Pictograms have to be chosen and ordered as a separate item.

**current list of products with Kiteramk and ENEC is available at www.awex.eu

ONE-SIDED EMERGENCY EXIT SIGNS

SELF-CONTAINED CONFIGURATION:

CODE	POWER	MODULE	AUTONOMY [h]		MODE	OPTIONS		COVER
BASIC								
HL HEL	1W	E	1	3	SE	PT	X	OP
STANDARD								
HL HEL	1W	C	1	3	SA	PT	X	OP
HL HEL	2W	C	1	3	SA	PT	X	OP
H HE	8W	T	1	3	SE SA	PT AT RU		TF
PREMIUM								
HL HEL	1W	B	1	3	SA	AT	RU	OP
HL HEL	2W	B	1	3	SA	AT	RU	OP

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COVER
HL HEL	1W	F	CB	CBS	X	OP
HL HEL	2W	F	CB	CBS	X	OP
H HE	8W	T	CB	CBS	X	TF

CENTRAL BATTERY CONFIGURATION - ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COVER
HL HEL	1W	Z	CB	ADE	ADP	OP
HL HEL	2W	Z	CB	ADE	ADP	OP
H HE	8W	T	CB	ADL	ADS	TF

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM	COVER
HL HEL	1W	FZLV	OP
HL HEL	2W	FZLV	OP

LEGEND:

HEL – fixture Helios led IP42

HL – fixture Helios led IP65

HE – fixture Helios IP42

H – fixture Helios IP65

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

T – electronic gear for LFL fittings

SE – non-maintained

SA – maintained (with an option of connecting as non-maintained)

PT – manual test button

X – fitting without additional options

AT – auto-test

RU – RUBIC UNA central monitoring system

CB – central battery version

CBS – central battery for circuit monitoring

ADL – central battery with ADL module

ADS – central battery with ADS address module – SMART technology

ADE – central battery with ADE address module

ADP – central battery with ADP address module – SMART technology

FZLV – central battery FZLV 24 VDC

TF – transparent cover with Fresnel optics

OP – opal polycarbonate cover

TWO-SIDED EMERGENCY EXIT SIGNS

HELIOS DS & HELIOS DS LED

MATERIALS:

White polycarbonate body
Opal polycarbonate cover

MOUNTING:

Surface (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 LED
8W fluorescent lamp

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, Ni-MH 4,8V batteries or LiFePO₄ 6,4V*
*optional

INSULATION CLASS:

II or III

IP RATING:

IP42 or IP65

VIEWING DISTANCE:

25m

AMBIENT TEMPERATURE:

t_a: 0°C ÷ 40°C
t_a: -25°C ÷ 40°C – together with heater for low temperatures

OPTIONS:

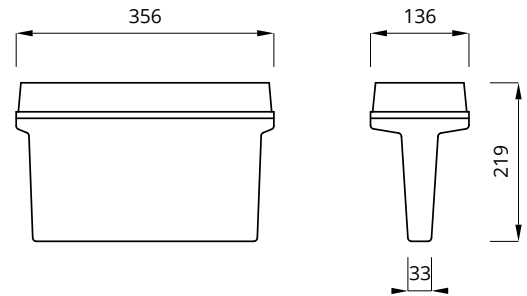
SE – non maintained
SA – maintained
PT – manual test button
AT – autotest
RU – Rubic UNA central monitoring
FZLV – central battery FZLV 24VDC
CB – central battery

ADDITIONAL INFORMATION:

LED indicator signalizes mains power supply and battery charge
Deep discharge protection
Protection against mechanical impacts – IK08
III class of insulation of FZLV version



DIMENSIONS (mm):



220-240V AC 50-60Hz	176-275V DC	24V DC	LED	T5 G5	IP42
IP65				CE	Ni-MH
Ni-Cd	LiFePO ₄	d=25m			



*see pictogram



KM 618355
BS-EN60592-2-22

*emergency exit sign fixtures do not include any pictogram in the set. Pictograms have to be chosen and ordered as a separate item.

**current list of products with Kiteramk and ENEC is available at www.awex.eu

TWO-SIDED EMERGENCY EXIT SIGNS

SELF-CONTAINED CONFIGURATION:

CODE		POWER	MODULE	AUTONOMY [h]		MODE	OPTIONS	
BASIC								
HDL	HDEL	1W	E	1	3	SE	PT	X
STANDARD								
HDL	HDEL	1W	C	1	3	SA	PT	X
HDL	HDEL	2W	C	1	3	SA	PT	X
HD	HDE	8W	T	1	3	SE SA	PT AT RU	
PREMIUM								
HDL	HDEL	1W	B	1	3	SA	AT	RU
HDL	HDEL	2W	B	1	3	SA	AT	RU

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

CODE		POWER	MODULE	SYSTEM	OPTIONS	
HDL	HDEL	1W	F	CB	CBS	X
HDL	HDEL	2W	F	CB	CBS	X
HD	HDE	8W	T	CB	CBS	X

CENTRAL BATTERY CONFIGURATION - ADDRESSABLE

CODE		POWER	MODULE	SYSTEM	OPTIONS	
HDL	HDEL	1W	Z	CB	ADE	ADP
HDL	HDEL	2W	Z	CB	ADE	ADP
HD	HDEL	8W	T	CB	ADL	ADS

FZLV SYSTEM CONFIGURATION

CODE		POWER	SYSTEM
HDL	HDEL	1W	FZLV
HDL	HDEL	2W	FZLV

LEGEND:

- HDEL - fixture Helios DS led IP42
- HDL - fixture Helios DS led IP65
- HDE - fixture Helios DS IP42
- HD - fixture Helios DS IP65
- 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
- T - electronic gear for LFL 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 system
- CB - central battery version
- CBS - central battery for circuit monitoring
- ADL - central battery with ADL module
- ADS - central battery with ADS address module - SMART technology
- ADE - central battery with ADE address module
- ADP - central battery with ADP address module - SMART technology
- FZLV - central battery FZLV 24 VDC

TWO-SIDED EMERGENCY EXIT SIGNS

HELIOS P & HELIOS P LED

MATERIALS:

White polycarbonate body
Transparent cover with Fresnel optics
Plexi glass

MOUNTING:

Surface (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 LED
8W fluorescent lamp

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, Ni-MH 4,8V batteries or LiFePO₄ 6,4V*
*optional

INSULATION CLASS:

II or III

IP RATING:

IP42

VIEWING DISTANCE:

30m

AMBIENT TEMPERATURE:

t_a: 0°C ÷ 40°C
t_a: -25°C ÷ 40°C – together with heater for low temperatures

OPTIONS:

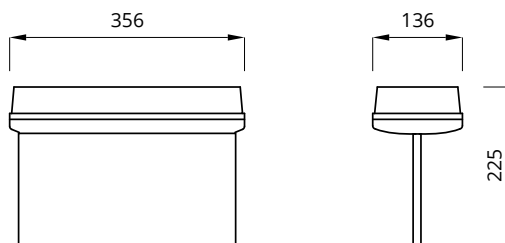
SE – non maintained
SA – maintained
PT – manual test button
AT – autotest
RU – Rubic UNA central monitoring
FZLV – central battery FZLV 24VDC
CB – central battery

ADDITIONAL INFORMATION:

LED indicator signalizes mains power supply and battery charge
Deep discharge protection
Protection against mechanical impacts – IK08
III class of insulation of FZLV version



DIMENSIONS (mm):



220-240V AC 50-60Hz	176-275V DC	24V DC	LED	T5 G5	IP42
			CE	Ni-MH	Ni-Cd
LiFePO ₄	d=30m				



*see pictogram



KM 618355
BS-EN60592-2-22

*emergency exit sign fixtures do not include any pictogram in the set. Pictograms have to be chosen and ordered as a separate item.

**current list of products with Kiteramk and ENEC is available at www.awex.eu

TWO-SIDED EMERGENCY EXIT SIGNS

SELF-CONTAINED CONFIGURATION

CODE	POWER	MODULE	AUTONOMY [h]		MODE	OPTIONS	
BASIC							
HPL	1W	E	1	3	SE	PT	X
STANDARD							
HPL	1W	C	1	3	SA	PT	X
HPL	2W	C	1	3	SA	PT	X
HP	8W	T	1	3	SE SA	PT AT RU	
PREMIUM							
HPL	1W	B	1	3	SA	AT	RU
HPL	2W	B	1	3	SA	AT	RU

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS
HPL	1W	F	CB	CBS X
HPL	2W	F	CB	CBS X
HP	8W	T	CB	CBS X

CENTRAL BATTERY CONFIGURATION - ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS
HPL	1W	Z	CB	ADE ADP
HPL	2W	Z	CB	ADE ADP
HP	8W	T	CB	ADL ADS

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM
HPL	1W	FZLV
HPL	2W	FZLV

LEGEND:

- HP – fixture Helios P
- HPL – fixture Helios P led
- 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
- T – electronic gear for LFL 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 system
- CB – central battery version
- CBS – central battery for circuit monitoring
- ADL – central battery with ADL module
- ADS – central battery with ADS address module – SMART technology
- ADE – central battery with ADE address module
- ADP – central battery with ADP address module – SMART technology
- FZLV – central battery FZLV 24 VDC

ONE-SIDED EMERGENCY EXIT SIGNS

TIGER & TIGER LED

MATERIALS:

White polycarbonate body
Transparent or opal polycarbonate cover

MOUNTING:

Surface (wall)
Optionally recessed (wall**)

POWER SUPPLY:

Self contained – 220 - 240VAC/50 - 60Hz
Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC
Central battery FZLV – 24VDC

LIGHT SOURCE:

1W, 2W LED
8W fluorescent lamp

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, Ni-MH 4,8V batteries or LiFePO4 6,4V*
*optional

INSULATION CLASS:

II or III

IP RATING:

IP22

VIEWING DISTANCE:

20m

AMBIENT TEMPERATURE:

$t_a: 0^{\circ}\text{C} \div 40^{\circ}\text{C}$

OPTIONS:

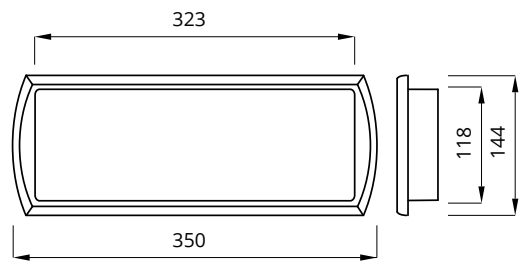
SE – non maintained
SA – maintained
PT – manual test button
AT – autotest
RU – Rubic UNA central monitoring
FZLV – central battery FZLV 24VDC
CB – central battery

ADDITIONAL INFORMATION:

LED indicator signalizes mains power supply and battery charge
Deep discharge protection
III class of insulation of FZLV version
**requires an accessory for recessed mounting



DIMENSIONS (mm):



220-240V AC 50-60Hz	176-275V DC	24V DC	LED	T5 G5	IP22	
			CE	Ni-MH	Ni-Cd	LiFePO ₄



*see pictogram



KM 618355
BS-EN60592-2-22

*emergency exit sign fixtures do not include any pictogram in the set. Pictograms have to be chosen and ordered as a separate item.

**current list of products with Kiteramk and ENEC is available at www.awex.eu

ONE-SIDED EMERGENCY EXIT SIGNS

SELF-CONTAINED CONFIGURATION:

CODE	POWER	MODULE	AUTONOMY [h]		MODE	OPTIONS		COVER
BASIC								
TL	1W	E	1	3	SE	PT	X	OP
STANDARD								
TL	1W	C	1	3	SA	PT	X	OP
TL	2W	C	1	3	SA	PT	X	OP
TG	8W	T	1	3	SE SA	PT AT RU		TR
PREMIUM								
TL	1W	B	1	3	SA	AT	RU	OP
TL	2W	B	1	3	SA	AT	RU	OP

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COVER
TL	1W	F	CB	CBS	X	OP
TL	2W	F	CB	CBS	X	OP
TG	8W	T	CB	CBS	X	TR

CENTRAL BATTERY CONFIGURATION - ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COVER
TL	1W	Z	CB	ADE	ADP	OP
TL	2W	Z	CB	ADE	ADP	OP
TG	8W	T	CB	ADL	ADS	TR

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM	COVER
TL	1W	FZLV	OP
TL	2W	FZLV	OP

LEGEND:

- TG - fixture Tiger
- TL - fixture Tiger LED
- 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
- T - electronic gear for LFL 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 system
- CB - central battery version
- CBS - central battery for circuit monitoring
- ADL - central battery with ADL module
- ADS - central battery with ADS address module - SMART technology
- ADE - central battery with ADE address module
- ADP - central battery with ADP address module - SMART technology
- FZLV - central battery FZLV 24 VDC
- TR - transparent polycarbonate cover
- OP - opal polycarbonate cover

TWO-SIDED EMERGENCY EXIT SIGNS

TIGER DS & TIGER DS LED

MATERIALS:

White polycarbonate body
Opal polycarbonate cover

MOUNTING:

Surface (ceiling)
Optionally recessed (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 LED
8W fluorescent lamp

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, Ni-MH 4,8V batteries or LiFePO₄ 6,4V*
*optional

INSULATION CLASS:

II or III

IP RATING:

IP22

VIEWING DISTANCE:

20m

AMBIENT TEMPERATURE:

t_a: 0°C÷40°C

OPTIONS:

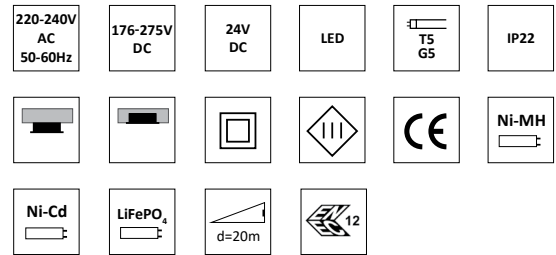
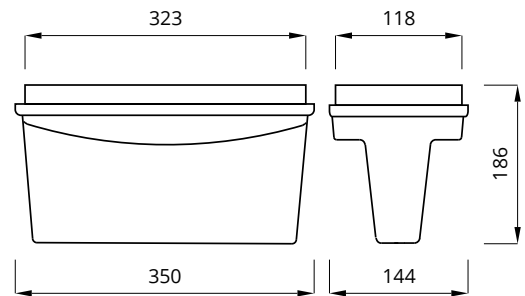
SE – non maintained
SA – maintained
PT – manual test button
AT – autotest
RU – Rubic UNA central monitoring
FZLV – central battery FZLV 24VDC
CB – central battery

ADDITIONAL INFORMATION:

LED indicator signalizes mains power supply and battery charge
Deep discharge protection
III class of insulation of FZLV version
**requires an accessory for recessed mounting



DIMENSIONS (mm):



*see pictogram



KM 618355
BS-EN60592-2-22

*emergency exit sign fixtures do not include any pictogram in the set. Pictograms have to be chosen and ordered as a separate item.

**current list of products with Kiteramk and ENEC is available at www.awex.eu

TWO-SIDED EMERGENCY EXIT SIGNS

SELF-CONTAINED CONFIGURATION

CODE	POWER	MODULE	AUTONOMY [h]		MODE	OPTIONS	
BASIC							
TSL	1W	E	1	3	SE	PT	X
STANDARD							
TSL	1W	C	1	3	SA	PT	X
TSL	2W	C	1	3	SA	PT	X
TGS	8W	T	1	3	SE SA	PT AT RU	
PREMIUM							
TSL	1W	B	1	3	SA	AT	RU
TSL	2W	B	1	3	SA	AT	RU

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS
TSL	1W	F	CB	CBS X
TSL	2W	F	CB	CBS X
TGS	8W	T	CB	CBS X

CENTRAL BATTERY CONFIGURATION - ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS
TSL	1W	Z	CB	ADE ADP
TSL	2W	Z	CB	ADE ADP
TGS	8W	T	CB	ADL ADS

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM
TSL	1W	FZLV
TSL	2W	FZLV

LEGEND:

- TGS – fixture Tiger DS
- TSL – fixture Tiger DS LED
- 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
- T – electronic gear for LFL 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 system
- CB – central battery version
- CBS – central battery for circuit monitoring
- ADL – central battery with ADL module
- ADS – central battery with ADS address module – SMART technology
- ADE – central battery with ADE address module
- ADP – central battery with ADP address module – SMART technology
- FZLV – central battery FZLV 24 VDC

TWO-SIDED EMERGENCY EXIT SIGNS

TIGER P & TIGER P LED

MATERIALS:

White polycarbonate body
Transparent polycarbonate cover
Plexi glass

MOUNTING:

Surface (ceiling)
Optionally recessed (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 LED
8W fluorescent lamp

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, Ni-MH 4,8V batteries or LiFePO₄ 6,4V*
*optional

INSULATION CLASS:

II or III

IP RATING:

IP22

VIEWING DISTANCE:

30m

AMBIENT TEMPERATURE:

t_a: 0°C÷40°C

OPTIONS:

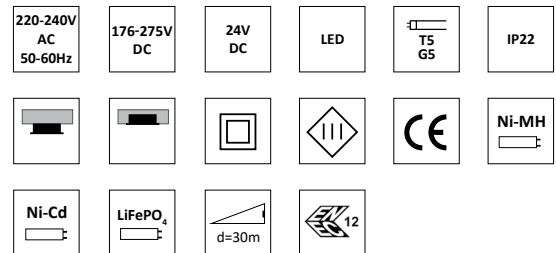
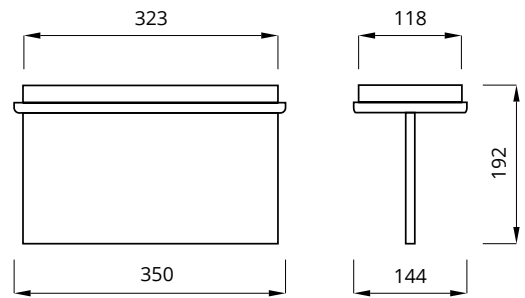
SE – non maintained
SA – maintained
PT – manual test button
AT – autotest
RU – Rubic UNA central monitoring
FZLV – central battery FZLV 24VDC
CB – central battery

ADDITIONAL INFORMATION:

LED indicator signalizes mains power supply and battery charge
Deep discharge protection
III class of insulation of FZLV version
**requires an accessory for recessed mounting



DIMENSIONS (mm):



*see pictogram



KM 618355
BS-EN60592-2-22

*emergency exit sign fixtures do not include any pictogram in the set. Pictograms have to be chosen and ordered as a separate item.

**current list of products with Kiteramk and ENEC is available at www.awex.eu

TWO-SIDED EMERGENCY EXIT SIGNS

SELF-CONTAINED CONFIGURATION

CODE	POWER	MODULE	AUTONOMY [h]		MODE	OPTIONS	
BASIC							
TPL	1W	E	1	3	SE	PT	X
STANDARD							
TPL	1W	C	1	3	SA	PT	X
TPL	2W	C	1	3	SA	PT	X
TP	8W	T	1	3	SE SA	PT AT RU	
PREMIUM							
TPL	1W	B	1	3	SA	AT	RU
TPL	2W	B	1	3	SA	AT	RU

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS
TPL	1W	F	CB	CBS X
TPL	2W	F	CB	CBS X
TP	8W	T	CB	CBS X

CENTRAL BATTERY CONFIGURATION - ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS
TPL	1W	Z	CB	ADE ADP
TPL	2W	Z	CB	ADE ADP
TP	8W	T	CB	ADL ADS

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM
TPL	1W	FZLV
TPL	2W	FZLV

LEGEND:

- TP – fixture Tiger P
- TPL – fixture Tiger P LED
- 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
- T – electronic gear for LFL 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 system
- CB – central battery version
- CBS – central battery for circuit monitoring
- ADL – central battery with ADL module
- ADS – central battery with ADS address module – SMART technology
- ADE – central battery with ADE address module
- ADP – central battery with ADP address module – SMART technology
- FZLV – central battery FZLV 24 VDC

ONE-SIDED EMERGENCY EXIT SIGNS

PANORAMA & PANORAMA LED

MATERIALS:

White plastic body
Opal plastic cover

MOUNTING:

Surface (wall)

POWER SUPPLY:

Self contained – 220÷240VAC/50÷60Hz
Central battery – 220÷240VAC/50÷60Hz; 176 - 275VDC
Central battery FZLV – 24VDC

LIGHT SOURCE:

1W, 2W LED
8W fluorescent lamp

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, Ni-MH 4,8V batteries or LiFePO₄ 6,4V*
*optional

INSULATION CLASS:

II or III

IP RATING:

IP54

VIEWING DISTANCE:

30m

AMBIENT TEMPERATURE:

t_a: 0°C ÷ 40°C

OPTIONS:

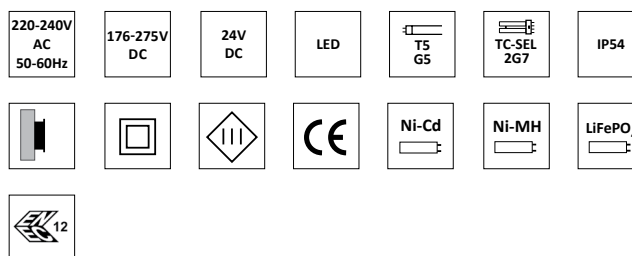
SE – non maintained
SA – maintained
PT – manual test button
AT – autotest
RU – Rubic UNA central monitoring
FZLV – central battery FZLV 24VDC
CB – central battery

ADDITIONAL INFORMATION:

LED indicator signalizes mains power supply and battery charging
Deep discharge protection
III class of insulation of FZLV version



DIMENSIONS (mm):



*see pictogram



KM 618355
BS-EN60592-2-22

*emergency exit sign fixtures do not include any pictogram in the set. Pictograms have to be chosen and ordered as a separate item.

**current list of products with Kiteramk and ENEC is available at www.awex.eu

ONE-SIDED EMERGENCY EXIT SIGNS

SELF-CONTAINED CONFIGURATION

CODE	POWER	MODULE	AUTONOMY [h]		MODE	OPTIONS	
BASIC							
PML	1W	E	1	3	SE	PT	X
STANDARD							
PML	1W	C	1	3	SA	PT	X
PML	2W	C	1	3	SA	PT	X
P	8W	T	1	3	SE SA	PT AT RU	
PREMIUM							
PML	1W	B	1	3	SA	AT	RU
PML	2W	B	1	3	SA	AT	RU

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS
PML	1W	F	CB	CBS X
PML	2W	F	CB	CBS X
P	8W	T	CB	CBS X

CENTRAL BATTERY CONFIGURATION - ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS
PML	1W	Z	CB	ADE ADP
PML	2W	Z	CB	ADE ADP
P	8W	T	CB	ADL ADS

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM
PML	1W	FZLV
PML	2W	FZLV

LEGEND:

- P – fixture Panorama
- PML – fixture Panorama LED
- 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 system
- CB – central battery version
- CBS – central battery for circuit monitoring
- ADS – central battery with ADS address modul - SMART technology
- ADL – central battery with ADL address module
- ADE – central battery with ADE address module
- ADP – central battery with ADP address module – SMART technology
- FZLV – central battery FZLV 24 VDC

ONE-SIDED EMERGENCY EXIT SIGNS

SCREEN

MATERIALS:

Aluminium body
Plexi glass

MOUNTING:

Surface (wall)

POWER SUPPLY:

self contained – 220÷240VAC/50÷60Hz
central battery – 220÷240VAC/50÷60Hz; 176 - 275VDC
central battery FZLV – 24VDC

LIGHT SOURCE:

SC30 3x1W; SC40 3W; SC60 2x3W LED

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, Ni-MH 4,8V batteries or LiFePO₄*
*optional

INSULATION CLASS:

I or III

IP RATING:

IP40

VIEWING DISTANCE:

30, 40 or 60m (depends on version)

AMBIENT TEMPERATURE:

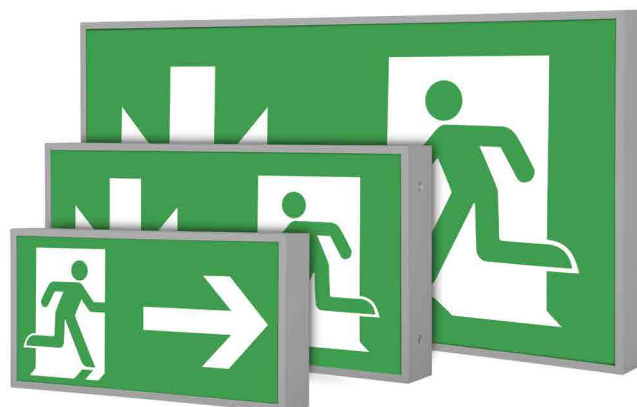
t_a: 0°C ÷ 40°C

OPTIONS:

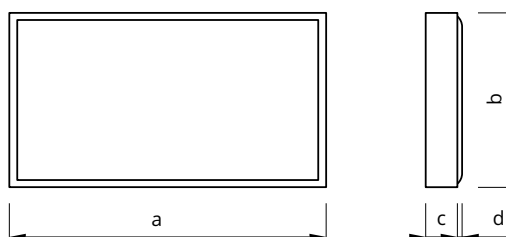
SE – non maintained
SA – maintained
PT – manual test button
AT – autotest
RU – Rubic UNA central monitoring
FZLV – central battery FZLV 24VDC
CB – central battery

ADDITIONAL INFORMATION:

LED indicator signalizes mains power supply and battery charging
Deep discharge protection
III class of insulation of FZLV version

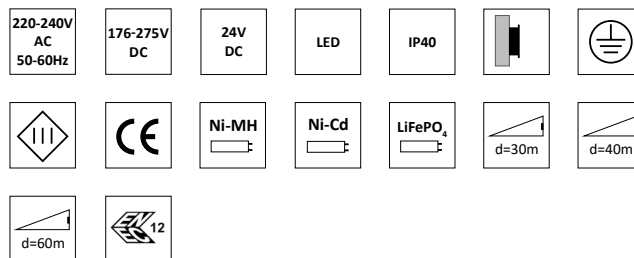


DIMENSIONS (mm):



Dimensions [mm]

TYPE	a[mm]	b[mm]	c[mm]	d[mm]
SC30	315	165	50	8
SC40	415	215	50	8
SC60	615	315	50	8



*see pictogram



KM 618355
BS-EN60592-2-22

*emergency exit sign fixtures do not include any pictogram in the set. Pictograms have to be chosen and ordered as a separate item.

**current list of products with Kiteramk and ENEC is available at www.awex.eu

ONE-SIDED EMERGENCY EXIT SIGNS

SELF-CONTAINED CONFIGURATION

CODE	POWER	MODULE	AUTONOMY [h]		MODE	OPTIONS	
STANDARD							
SC30	3x1W	C	1	3	SA	AT	X
SC40	3W	C	1	3	SA	AT	X
SC60	2x3W	C	1	3	SA	AT	X
PREMIUM							
SC30	3x1W	B	1	3	SA	AT	RU
SC40	3W	B	1	3	SA	AT	RU
SC60	2x3W	B	1	3	SA	AT	RU

CENTRAL BATTERY CONFIGURATION – NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS
SC30	3x1W	F	CB	CBS X
SC40	3W	F	CB	CBS X
SC60	2x3W	F	CB	CBS X

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS
SC30	3x1W	Z	CB	ADE ADP
SC40	3W	Z	CB	ADE ADP
SC60	2x3W	Z	CB	ADE ADP

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM
SC30	3x1W	FZLV
SC40	3W	FZLV
SC60	2x3W	FZLV

LEGEND:

- SC30 – fixture Screen viewing distance 30m
- SC40 – fixture Screen viewing distance 40m
- SC60 – fixture Screen viewing distance 60m
- 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 system
- 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
- FZLV – central battery FZLV 24 VDC

TWO-SIDED EMERGENCY EXIT SIGNS

SCREEN DS

MATERIALS:

Aluminium body
Plexi glass

MOUNTING:

Surface (ceiling)
Optionally mounting on a rope sling (ceiling**)

POWER SUPPLY:

self contained – 220÷240VAC/50÷60Hz
central battery – 220÷240VAC/50÷60Hz; 176 - 275VDC
central battery FZLV – 24VDC

LIGHT SOURCE:

SCS30 3x1W; SCS40 3W; SCS60 2x3W LED

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, Ni-MH 4,8V batteries or LiFePO₄*
*optional

INSULATION CLASS:

I or III

IP RATING:

IP40

VIEWING DISTANCE:

30, 40 or 60m (depends on version)

AMBIENT TEMPERATURE:

t_a: 0°C ÷ 40°C

OPTIONS:

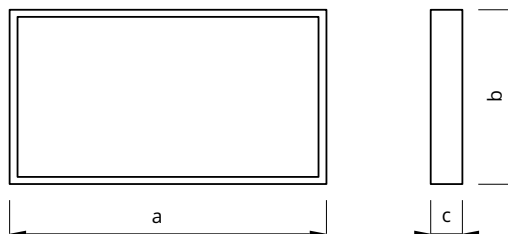
SE – non maintained
SA – maintained
PT – manual test button
AT – autotest
RU – Rubic UNA central monitoring
FZLV – central battery FZLV 24VDC
CB – central battery

ADDITIONAL INFORMATION:

LED indicator signalizes mains power supply and battery charging
Deep discharge protection
III class of insulation of FZLV version
**requires an accessory for mounting on a rope sling

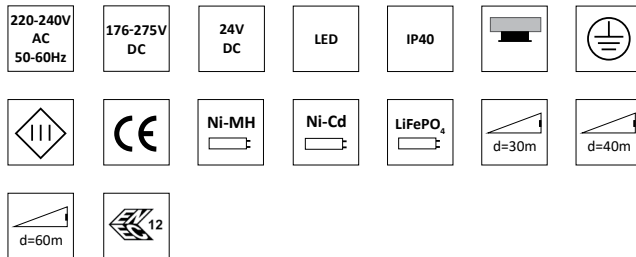


DIMENSIONS (mm):



Dimensions [mm]

TYPE	a[mm]	b[mm]	c[mm]
SCS30	315	165	50
SCS40	415	215	50
SCS60	615	315	50



*see pictogram



KM 618355
BS-EN60592-2-22

*emergency exit sign fixtures do not include any pictogram in the set. Pictograms have to be chosen and ordered as a separate item.

**current list of products with Kiteramk and ENEC is available at www.awex.eu

TWO-SIDED EMERGENCY EXIT SIGNS

SELF-CONTAINED CONFIGURATION

CODE	POWER	MODULE	AUTONOMY [h]		MODE	OPTIONS	
STANDARD							
SCS30	3x1W	C	1	3	SA	PT	X
SCS40	3W	C	1	3	SA	PT	X
SCS60	2x3W	C	1	3	SA	PT	X
PREMIUM							
SCS30	3x1W	B	1	3	SA	AT	RU
SCS40	3W	B	1	3	SA	AT	RU
SCS60	2x3W	B	1	3	SA	AT	RU

CENTRAL BATTERY CONFIGURATION – NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS	
SCS30	3x1W	F	CB	CBS	X
SCS40	3W	F	CB	CBS	X
SCS60	2x3W	F	CB	CBS	X

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS	
SCS30	3x1W	Z	CB	ADE	ADP
SCS40	3W	Z	CB	ADE	ADP
SCS60	2x3W	Z	CB	ADE	ADP

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM
SCS30	3x1W	FZLV
SCS40	3W	FZLV
SCS60	2x3W	FZLV

LEGEND:

- SCS30 – fixture Screen DS viewing distance 30m
- SCS40 – fixture Screen DS viewing distance 40m
- SCS60 – fixture Screen DS viewing distance 60m
- 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 system
- 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
- FZLV – central battery FZLV 24 VDC

ONE-SIDED EMERGENCY EXIT SIGNS

EMX

MATERIALS:

White polycarbonate body
Transparent polycarbonate cover

MOUNTING:

Surface (wall)

POWER SUPPLY:

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

LIGHT SOURCE:

2x8W fluorescent lamp

CHARGING:

Maximum 24h

AUTONOMY AND BATTERIES:

1h, 2h or 3h, Ni-Cd batteries

INSULATION CLASS:

I

IP RATING:

IP65

VIEWING DISTANCE:

25m

AMBIENT TEMPERATURE:

t_a: 0°C - +40°C
t_a: -25°C ÷ 40°C – together with heater for low temperatures

OPTIONS:

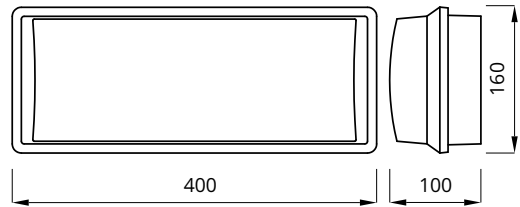
SE – non maintained
SA – maintained
PT – manual test button
AT – autotest
RU – Rubic UNA central monitoring
CB – central battery

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



DIMENSIONS (mm):



SELF-CONTAINED CONFIGURATION

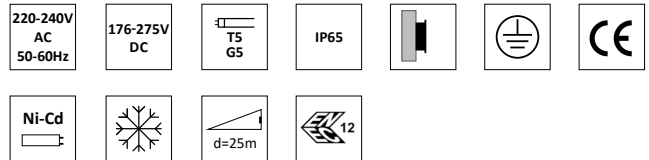
CODE	POWER	MODULE	AUTONOMY [h]		MODE		OPTIONS		
EM	2x8W	T	1	3	SE	SA	PT	AT	RU

CENTRAL BATTERY CONFIGURATION – NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS
EM	2x8W	T	CB	CBS X

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS
EM	2x8W	T	CB	ADL ADS



*see pictogram



KM 618355
BS-EN60592-2-22

Legend:

- EM – fixture EMX
- T – electronic gear for LFL fittings
- SE – non-maintained
- SA – maintained
- PT – manual test button
- X – fitting without additional options
- AT – autotest
- RU – RUBIC UNA central monitoring system
- CB – central battery version
- CBS – central battery for circuit monitoring
- ADL – central battery with ADL module
- ADS – central battery with ADS address module – SMART technology

*emergency exit sign fixtures do not include any pictogram in the set. Pictograms have to be chosen and ordered as a separate item.

**current list of products with Kiteramk and ENEC is available at www.awex.eu

FOUR-SIDED EMERGENCY EXIT SIGNS

QUADRO

MATERIALS:

Opal plexi glass body

MOUNTING:

Surface (ceiling)

POWER SUPPLY:

Self contained – 220 - 240VAC/50 - 60Hz

Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC

Central battery FZLV – 24VDC

LIGHT SOURCE:

3x1W LED

11W fluorescent lamp

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, Ni-MH 4,8V batteries or LiFePO₄ 6,4V*

*optional

INSULATION CLASS:

I or III

IP RATING:

IP41

VIEWING DISTANCE:

25m

AMBIENT TEMPERATURE:

t_a: 0°C÷40°C

OPTIONS:

SE – non maintained

SA – maintained

PT – manual test button

AT – autotest

RU – Rubic UNA central monitoring

FZLV – central battery FZLV 24VDC

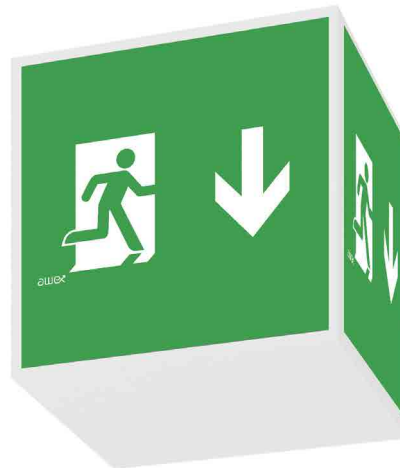
CB – central battery

ADDITIONAL INFORMATION:

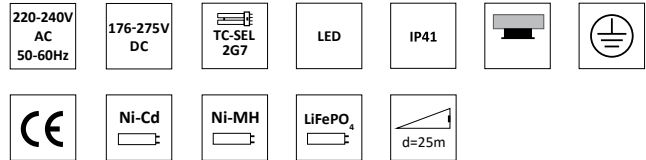
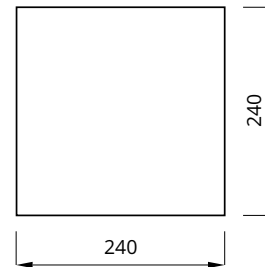
LED indicator signalizes mains power supply and battery charge

Deep discharge protection

III class of insulation of FZLV version



DIMENSIONS (mm):



SELF-CONTAINED CONFIGURATION

CODE	POWER	MODULE	AUTONOMY [h]		MODE	OPTIONS	
STANDARD							
Q	3x1W	C	1	3	SA	PT	X
Q	11W	T	1	3	SE SA	PT AT RU	
PREMIUM							
Q	3x1W	B	1	3	SA	AT	RU

CENTRAL BATTERY CONFIGURATION – NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS
Q	3x1W	F	CB	CBS X
Q	11W	T	CB	CBS X

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS
Q	3x1W	Z	CB	ADE ADP
Q	11W	T	CB	ADL ADS

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM
Q	3x1W	FZLV



*see pictogram

Legend:

- Q – fixture Quadro
- E – electronic gear for BASIC self-contained fittings
- C – electronic gear for STANDARD self-contained fittings
- F – electronic gear for central battery fittings
- Z – electronic gear for addressable central battery fittings
- T – electronic gear for LFL 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 system
- CB – central battery version
- CBS – central battery for circuit monitoring
- ADL – central battery with ADL module
- ADS – central battery with ADS address module – SMART technology
- ADE – central battery with ADE address module
- ADP – central battery with ADP address module – SMART technology
- FZLV – central battery FZLV 24 VDC

*Emergency exit sign fixtures do not include any pictogram in the set. Pictograms have to be chosen and ordered as a separate item.



EMERGENCY CONVERSION KITS

NEXT & NEXT AUTOTEST	100
LIDER PLUS & LIDER PLUS AUTOTEST	101
LIN	102
LINEX & LINEX AUTOTEST	103
UNILED BM	104
UNILED GU10	105
UNILED UM	106



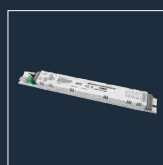
NEXT & NEXT
AUTOTEST



LIDER PLUS
& LIDER PLUS
AUTOTEST



LIN



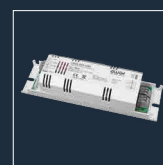
LINEX & LINEX
AUTOTEST



UNILED BM



UNILED GU10



UNILED UM

EMERGENCY CONVERSION KITS

NEXT & NEXT AUTOTEST

MATERIALS:

Polycarbonate body

MOUNTING:

Inside the fixture

POWER SUPPLY:

230 VAC/50-60 Hz

LIGHT SOURCE:

Linear and compact fluorescent lamps

CHARGING:

Maximum 24h

AUTONOMY AND BATTERIES:

1h, 2h or 3h; Ni-Cd battery

INSULATION CLASS:

II

IP RATING:

IP20

AMBIENT TEMPERATURE:

t_a: 0°C÷55°C

t_a: -25°C ÷ 55°C – together with heater for low temperatures

OPTIONS:

PT – manual test button

AT – autotest

ADDITIONAL INFORMATION:

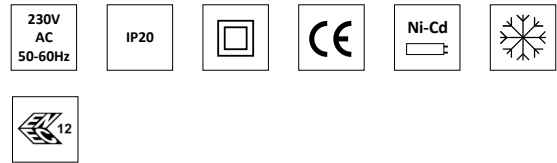
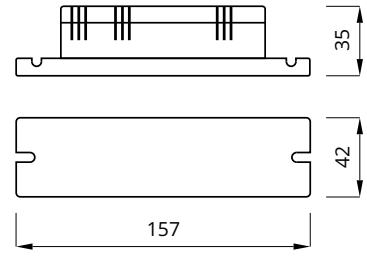
A new generation of conversion kits which replaces conversion kits series LIDER

LED indicator signalizes mains power supply and battery charge

Deep discharge protection

Cooperation with magnetic and electronic ballasts

Optional adaptation of conversion kit for low temperatures up to -25°C



NEXT - ORDER CODES

CODE	POWER [W]	AUTONOMY [h]	OPTION	BATTERY
NX/36/1	6 - 36	1	PT	Ni-Cd 3,6V 1,5Ah
NX/36/2	6 - 36	2	PT	Ni-Cd 3,6V 2,5Ah
NX/36/3	6 - 36	3	PT	Ni-Cd 3,6V 4,0Ah
NX/58/1	6 - 58	1	PT	Ni-Cd 4,8V 1,5Ah
NX/58/2	6 - 58	2	PT	Ni-Cd 4,8V 2,5Ah
NX/58/3	6 - 58	3	PT	Ni-Cd 4,8V 4,0Ah
NX/80/1	6 - 80	1	PT	Ni-Cd 6,0V 1,5Ah
NX/80/2	6 - 80	2	PT	Ni-Cd 6,0V 2,5Ah
NX/80/3	6 - 80	3	PT	Ni-Cd 6,0V 4,0Ah

NEXT AUTOTEST - ORDER CODES

CODE	POWER [W]	AUTONOMY [h]	BATTERY
NX/36/1/AT	6 - 36	1	Ni-Cd 3,6V 2,0Ah
NX/36/3/AT	6 - 36	3	Ni-Cd 3,6V 4,5Ah
NX/58/1/AT	6 - 58	1	Ni-Cd 4,8V 2,0Ah
NX/58/3/AT	6 - 58	3	Ni-Cd 4,8V 4,5Ah
NX/80/1/AT	6 - 80	1	Ni-Cd 6,0V 2,0Ah
NX/80/3/AT	6 - 80	3	Ni-Cd 6,0V 4,5Ah

LED indicator

LED color	Signal	Symbolizing
●	no signal	emergency mode / running test
	shining	defective battery
	flashing	defective lamp
●	no signal	emergency mode / running test
	shining	normal mode
	flashing	normal mode, battery charging

Test types (version AT):

Test A is run automatically every 28 days
During test A a conversion kit is switched to emergency mode for 1 minute and the following parameters are checked:

- control of battery power discharge
- control of battery voltage

Test B is run automatically every 364 days

During test B a conversion kit is switched to emergency mode for all duration time (1, 2, 3 hours) and the following parameters are checked:

- control of battery power discharge
- control of minimum battery voltage

**current list of products with Kiteramk and ENec is available at www.awex.eu

EMERGENCY CONVERSION KITS

LIDER PLUS & LIDER PLUS AUTOTEST

MATERIALS:

Polycarbonate body

MOUNTING:

Inside the fixture

POWER SUPPLY:

220÷240 VAC/50-60 Hz

LIGHT SOURCE:

Linear and compact fluorescent lamps

CHARGING:

Maximum 12h; electronic energy-saving impulse charger

AUTONOMY AND BATTERIES:

1h, 2h or 3h; Ni-Cd or Ni-MH battery

INSULATION CLASS:

II

IP RATING:

IP20

AMBIENT TEMPERATURE:

t_a: 0°C÷55°C

t_a: -25°C ÷ 55°C – together with heater for low temperatures

OPTIONS:

PT – manual test button

AT – autotest

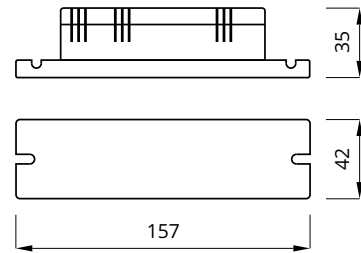
ADDITIONAL INFORMATION:

LED indicator signalizes mains power supply and battery charge

Deep discharge protection

Cooperation with magnetic and electronic ballasts

Optional adaptation of conversion kit for low temperatures up to -25°C



LIDER PLUS - ORDER CODES

CODE	POWER [W]	AUTONOMY [h]	OPTION	BATTERY
LEP/36/1	6 – 36	1	PT	Ni-Cd 3,6V 1,5Ah
LEP/36/2	6 – 36	2	PT	Ni-Cd 3,6V 2,5Ah
LEP/36/3	6 – 36	3	PT	Ni-Cd 3,6V 4,0Ah
LEP/58/1	6 – 58	1	PT	Ni-Cd 4,8V 1,5Ah
LEP/58/2	6 – 58	2	PT	Ni-Cd 4,8V 2,5Ah
LEP/58/3	6 – 58	3	PT	Ni-Cd 4,8V 4,0Ah
LEP/80/1	6 – 80	1	PT	Ni-Cd 6,0V 1,5Ah
LEP/80/2	6 – 80	2	PT	Ni-Cd 6,0V 2,5Ah
LEP/80/3	6 – 80	3	PT	Ni-Cd 6,0V 4,0Ah

LIDER Ni-MH - ORDER CODES

CODE	POWER [W]	AUTONOMY [h]	OPTION	BATTERY
LEH/36/1	6 – 36	1	PT	Ni-MH 3,6V 1,5Ah
LEH/36/2	6 – 36	2	PT	Ni-MH 3,6V 2,5Ah
LEH/36/3	6 – 36	3	PT	Ni-MH 3,6V 4,0Ah
LEH/58/1	6 – 58	1	PT	Ni-MH 4,8V 1,5Ah
LEH/58/2	6 – 58	2	PT	Ni-MH 4,8V 2,5Ah
LEH/58/3	6 – 58	3	PT	Ni-MH 4,8V 4,0Ah
LEH/80/1	6 – 80	1	PT	Ni-MH 6,0V 1,5Ah
LEH/80/2	6 – 80	2	PT	Ni-MH 6,0V 2,5Ah
LEH/80/3	6 – 80	3	PT	Ni-MH 6,0V 4,0Ah

LIDER PLUS AUTOTEST - ORDER CODES

CODE	POWER [W]	AUTONOMY [h]	BATTERY
LEP/36/1/AT	6 – 36	1	Ni-Cd 3,6V 2,5Ah
LEP/36/2/AT	6 – 36	2	Ni-Cd 3,6V 4,0Ah
LEP/36/3/AT	6 – 36	3	Ni-Cd 3,6V 4,0Ah
LEP/58/1/AT	6 – 58	1	Ni-Cd 4,8V 2,5Ah
LEP/58/2/AT	6 – 58	2	Ni-Cd 4,8V 4,0Ah
LEP/58/3/AT	6 – 58	3	Ni-Cd 4,8V 4,0Ah
LEP/80/1/AT	6 – 80	1	Ni-Cd 6,0V 2,5Ah
LEP/80/2/AT	6 – 80	2	Ni-Cd 6,0V 2,5Ah
LEP/80/3/AT	6 – 80	3	Ni-Cd 6,0V 4,0Ah

LIDER Ni-MH AUTOTEST - ORDER CODES

CODE	POWER [W]	AUTONOMY [h]	BATTERY
LEH/36/1/AT	6 – 36	1	Ni-MH 3,6V 2,5Ah
LEH/36/2/AT	6 – 36	2	Ni-MH 3,6V 4,0Ah
LEH/36/3/AT	6 – 36	3	Ni-MH 3,6V 4,0Ah
LEH/58/1/AT	6 – 58	1	Ni-MH 4,8V 2,5Ah
LEH/58/2/AT	6 – 58	2	Ni-MH 4,8V 4,0Ah
LEH/58/3/AT	6 – 58	3	Ni-MH 4,8V 4,0Ah
LEH/80/1/AT	6 – 80	1	Ni-MH 6,0V 2,5Ah
LEH/80/2/AT	6 – 80	2	Ni-MH 6,0V 2,5Ah
LEH/80/3/AT	6 – 80	3	Ni-MH 6,0V 4,0Ah

LED indicator

LED color	Signal	Symbolizing
●	no signal	emergency mode / running test
	shining	defective battery
	flashing	defective lamp
●	no signal	emergency mode / running test
	shining	normal mode

Test types (version AT):

Test A is run automatically every 30 days

During test A a conversion kit is switched to emergency mode for 5 minutes and the following parameters are checked:

- control of battery power discharge
- control of battery voltage

Test B is run automatically every 360 days

During test B a conversion kit is switched to emergency mode for all duration time (1, 2, 3 hours) and the following parameters are checked:

- control of battery power discharge
- control of minimum battery voltage

EMERGENCY CONVERSION KITS

LIN

MATERIALS:

White polycarbonate body

MOUNTING:

Inside the fixture

POWER SUPPLY:

220÷240 VAC/50-60 Hz

LIGHT SOURCE:

Linear luorescent T5 lamp

CHARGING:

Maximum 12h; electronic energy-saving impulse charger

AUTONOMY AND BATTERIES:

1h, 2h or 3h; Ni-MH battery (optionally Ni-Cd battery*)

INSULATION CLASS:

II

IP RATING:

IP20

AMBIENT TEMPERATURE:

t_a: 0°C÷55°C

t_a: -25°C ÷ 55°C – together with heater for low temperatures

OPTIONS:

PT – manual test button

ADDITIONAL INFORMATION:

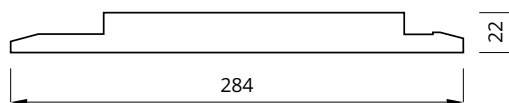
LED indicator signalizes mains power supply and battery charge

Deep discharge protection

Cooperation with magnetic and electronic ballasts

Optional adaptation of conversion kit for low temperatures up to -25°C

Long life of the LF lamp due to the function of the preheating of electrodes stabilization of lightstream



LIN - ORDER CODES

CODE	POWER [W]	AUTONOMY [h]	BATTERY
LN/21/1	8,14,21	1	Ni-MH 3,6V 1,5Ah
LN/21/2	8,14,21	2	Ni-MH 3,6V 2,5Ah
LN/21/3	8,14,21	3	Ni-MH 3,6V 4,0Ah
LN/39/1	24,39	1	Ni-MH 4,8V 1,5Ah
LN/39/2	24,39	2	Ni-MH 4,8V 2,5Ah
LN/39/3	24,39	3	Ni-MH 4,8V 4,0Ah
LN/49/1	28,35,49	1	Ni-MH 6,0V 1,5Ah
LN/49/2	28,35,49	2	Ni-MH 6,0V 2,5Ah
LN/49/3	28,35,49	3	Ni-MH 6,0V 4,0Ah
LN/80/1	54,80	1	Ni-MH 6,0V 1,5Ah
LN/80/2	54,80	2	Ni-MH 6,0V 2,5Ah
LN/80/3	54,80	3	Ni-MH 6,0V 4,0Ah

*Emergency conversion kits series LIN can be optionally equipped with a Ni-Cd battery. In this case, please add the letter C at the end, for example: LN/49/1/C.

EMERGENCY CONVERSION KITS

LINEX & LINEX AUTOTEST

MATERIALS:

Polycarbonate body

MOUNTING:

Inside the fixture

POWER SUPPLY:

220÷240 VAC/50-60 Hz

LIGHT SOURCE:

Linear fluorescent T5 lamp

CHARGING:

Maximum 12h; electronic energy-saving impulse charger

AUTONOMY AND BATTERIES:

1h, 2h or 3h; Ni-MH battery (optionally Ni-Cd battery*)

INSULATION CLASS:

II

IP RATING:

IP20

AMBIENT TEMPERATURE:

t_a: 0°C ÷ 55°C

t_a: -25°C ÷ 55°C – together with heater for low temperatures

OPTIONS:

PT – manual test button

AT – autotest

ADDITIONAL INFORMATION:

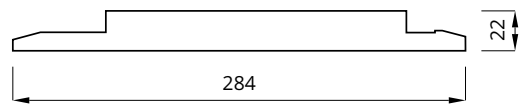
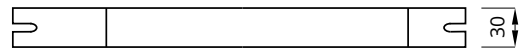
LED indicator signalizes mains power supply and battery charge

Deep discharge protection

Cooperation with magnetic and electronic ballasts

Optional adaptation of conversion kit for low temperatures up to -25°C

Long life of the LF lamp due to the function of the preheating of electrodes stabilization of lightstream



LINEX – ORDER CODES

CODE	POWER [W]	AUTONOMY [h]	OPTION	BATTERY
LX/21/1	8,14,21	1	PT	Ni-MH 3,6V 1,5Ah
LX/21/2	8,14,21	2	PT	Ni-MH 3,6V 2,5Ah
LX/21/3	8,14,21	3	PT	Ni-MH 3,6V 4,0Ah
LX/39/1	24,39	1	PT	Ni-MH 4,8V 1,5Ah
LX/39/2	24,39	2	PT	Ni-MH 4,8V 2,5Ah
LX/39/3	24,39	3	PT	Ni-MH 4,8V 4,0Ah
LX/49/1	28,35,49	1	PT	Ni-MH 6,0V 1,5Ah
LX/49/2	28,35,49	2	PT	Ni-MH 6,0V 2,5Ah
LX/49/3	28,35,49	3	PT	Ni-MH 6,0V 4,0Ah
LX/80/1	54,80	1	PT	Ni-MH 6,0V 1,5Ah
LX/80/2	54,80	2	PT	Ni-MH 6,0V 2,5Ah
LX/80/3	54,80	3	PT	Ni-MH 6,0V 4,0Ah

LINEX AUTOTEST – ORDER CODES

CODE	POWER [W]	AUTONOMY [h]	BATTERY
LX/21/1/AT	8,14,21	1	Ni-MH 3,6V 1,5Ah
LX/21/2/AT	8,14,21	2	Ni-MH 3,6V 2,5Ah
LX/21/3/AT	8,14,21	3	Ni-MH 3,6V 4,0Ah
LX/39/1/AT	24,39	1	Ni-MH 4,8V 1,5Ah
LX/39/2/AT	24,39	2	Ni-MH 4,8V 2,5Ah
LX/39/3/AT	24,39	3	Ni-MH 4,8V 4,0Ah
LX/49/1/AT	28,35,49	1	Ni-MH 6,0V 1,5Ah
LX/49/2/AT	28,35,49	2	Ni-MH 6,0V 2,5Ah
LX/49/3/AT	28,35,49	3	Ni-MH 6,0V 4,0Ah
LX/80/1/AT	54,80	1	Ni-MH 6,0V 1,5Ah
LX/80/2/AT	54,80	2	Ni-MH 6,0V 2,5Ah
LX/80/3/AT	54,80	3	Ni-MH 6,0V 4,0Ah

*Emergency conversion kits series LINEX can be optionally equipped with a Ni-Cd battery. In this case, please add the letter C at the end, for example: LX/49/1/C.

Test types (version AT):

Test A is run automatically every 30 days
During test A a conversion kit is switched to emergency mode for 5 minutes and the following parameters are checked:

- control of battery power discharge
- control of battery voltage

Test B is run automatically every 360 days
During test B a conversion kit is switched to emergency mode for all duration time (1, 2, 3 hours) and the following parameters are checked:

- control of battery power discharge
- control of minimum battery voltage

LED indicator

LED color	Signal	Symbolizing
●	no signal	emergency mode / running test
	shining	defective battery
	flashing	defective lamp
●	no signal	emergency mode / running test
	shining	normal mode

EMERGENCY CONVERSION KITS

UNILED BM

MATERIALS:

Polycarbonate body

MOUNTING:

Inside the fixture

POWER SUPPLY:

220÷240 VAC/50-60 Hz

LIGHT SOURCE:

1W, 3W, 6W* LED

CHARGING:

STANDARD: max. 24h

PREMIUM: max. 12h; energy-saving electronic charger

AUTONOMY AND BATTERIES:

STANDARD: 1h or 3h, Ni-Cd 4,8V batteries

PREMIUM: 1h or 3h, Ni-MH 4,8V batteries or LiFePO₄ 6,4V *

*optional

INSULATION CLASS:

II

IP RATING:

IP20

AMBIENT TEMPERATURE:

t_a: 0°C÷40°C

t_a: -25°C ÷ 55°C – together with heater for low temperatures

OPTIONS:

PT – manual test button

AT – autotest

ADDITIONAL INFORMATION:

LED indicator signalizes mains power supply and battery charge

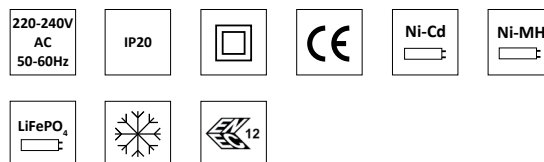
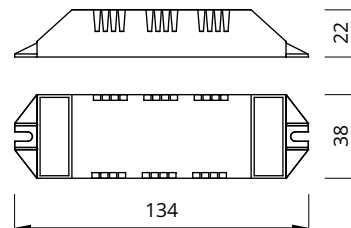
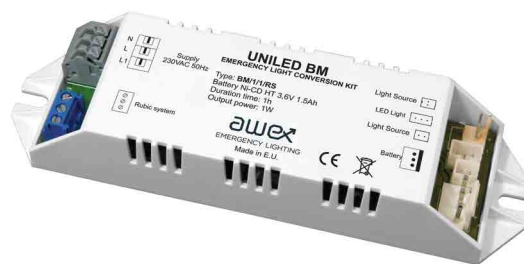
Deep discharge protection

Optional adaptation of conversion kit for low temperatures up to -25°C

Automatic detection of battery capacity and setting test parameters

Output voltage: 3.3 VDC

* 6W – power of light source only in non-maintained fixtures



KM 618355
BS-EN60592-2-22

Uniled BM Standard – ORDER CODES

CODE	POWER [W]	AUTONOMY [h]	OPTION	BATTERY
BM/1/1	1	1	PT	Ni-CD 4,8V 1,0Ah
BM/1/2		2	PT	Ni-CD 4,8V 1,0Ah
BM/1/3		3	PT	Ni-CD 4,8V 1,5Ah
BM/1/8		8	PT	Ni-CD 4,8V 4,0Ah
BM/3/1	3	1	PT	Ni-CD 4,8V 1,5Ah
BM/3/2		2	PT	Ni-CD 4,8V 2,5Ah
BM/3/3		3	PT	Ni-CD 4,8V 4,0Ah
BM/6/1	6	1	PT	Ni-CD 4,8V 4,0Ah
BM/6/2		2	PT	Ni-CD 4,8V 5,0Ah
BM/6/3		3	PT	Ni-CD 4,8V 8,0Ah

Uniled BM Premium – ORDER CODES

CODE	POWER [W]	OPTION	BATTERY
BM/1/1	1	AT	Ni-MH 4,8V 1,5Ah
BM/1/2		AT	Ni-MH 4,8V 1,5Ah
BM/1/3		AT	Ni-MH 4,8V 1,5Ah
BM/1/8		AT	Ni-MH 4,8V 4,0Ah
BM/3/1	3	AT	Ni-MH 4,8V 1,5Ah
BM/3/2		AT	Ni-MH 4,8V 2,5Ah
BM/3/3		AT	Ni-MH 4,8V 4,0Ah
BM/6/1	6	AT	Ni-MH 4,8V 4,0Ah
BM/6/2		AT	Ni-MH 4,8V 8,0Ah
BM/6/3		AT	Ni-MH 4,8V 8,0Ah

LED indicator - uniled BM Standard

LED color	Signal	Symbolizing
●	no signal	emergency mode / Standby mode
	shining	Standby mode (battery is full)
	flashing	battery is being loaded, normal mode

LED indicator - uniled BM Premium

LED color	Signal	Symbolizing
●	no signal	emergency mode / running test
	shining	defective battery
	flashing	defective lamp
●	no signal	emergency mode / running test
	shining	normal mode
	flashing	battery is being loaded, normal mode

Test types (version AT):

Test A is run automatically every 28 days
During test A a conversion kit is switched to emergency mode for 1 minute and the following parameters are checked:

- control of battery power discharge
- control of battery voltage

Test B is run automatically every 364 days
During test B a conversion kit is switched to emergency mode for all duration time (1, 2, 3 hours) and the following parameters are checked:

- control of battery power discharge
- control of minimum battery voltage

**current list of products with Kiteramk and ENEC is available at www.awex.eu

EMERGENCY CONVERSION KITS

UNILED GU10

MATERIALS:

Polycarbonate body

MOUNTING:

Inside the fixture

POWER SUPPLY:

230VAC/50-60Hz

LIGHT SOURCE:

3,5-8W LED

CHARGING:

Maximum 24h

AUTONOMY AND BATTERIES:

1h or 3h; Ni-Cd battery

INSULATION CLASS:

II

IP RATING:

IP20

AMBIENT TEMPERATURE:

t_a : 0°C÷40°C

OPTIONS:

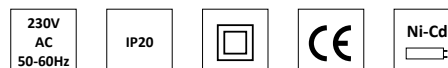
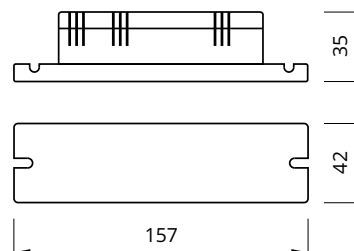
PT - manual test button

ADDITIONAL INFORMATION:

LED indicator signalizes mains power supply and battery charge Deep discharge protection

Designed for cooperation with LED light sources with voltage 180VDC

In emergency mode light stream is 80% of the nominal stream



Uniled GU10 - ORDER CODE

CODE	POWER [W]	AUTONOMY [h]	OPTION	BATTERY
GU10/1	3,5 - 8	1	PT	Ni-CD 7,2V 1,5Ah
GU10/3	3,5 - 8	3	PT	Ni-CD 7,2V 4,0Ah

EMERGENCY CONVERSION KITS

UNILED UM

MATERIALS:

Polycarbonate body

MOUNTING:

In the fixture

Optional in additional housing*

POWER SUPPLY:

220÷240VAC/50÷60Hz

LIGHT SOURCE:

Power mode: max 80W

Designed for cooperation with LED light sources with voltage 12V - 90VDC - max 80W

OUTPUT POWER:

1 - 9W (100mA - 750mA)

CHARGING:

BASIC: max. 24h

STANDARD: max. 24h

PREMIUM: max. 12h; energy-saving electronic charger

AUTONOMY AND BATTERIES:

BASIC: 1h or 3h, Ni-Cd 7,2V batteries

STANDARD: 1h, 3h or 8h Ni-Cd 7,2V batteries

PREMIUM: 1h, 3h or 8h, Ni-MH 7,2V batteries or LiFePO₄ 6,4V *
*optional

INSULATION CLASS:

II

IP RATING:

IP20

AMBIENT TEMPERATURE:

t_a: 0°C+50°C

OPTIONS:

PT - manual test button

AT - autotest

ADDITIONAL INFORMATION:

Deep discharge protection

Optional adaptation of conversion kit for low temperatures up to -25°C

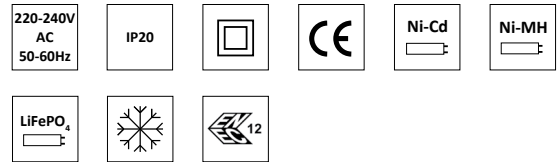
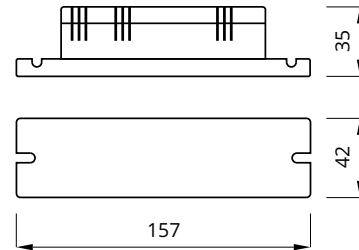
Automatic detection of battery capacity and setting test parameters

Automatic detection of LED light source voltage in Power mode

In emergency mode the incorrect settings are detected by LED indicator

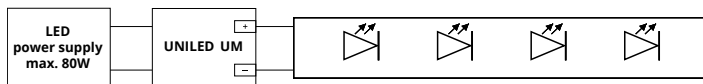
Autonomy 1h, 3h, 8h set by jumper

**requires an accessory for Uniled UM housing



KM 618355
BS-EN60592-2-22

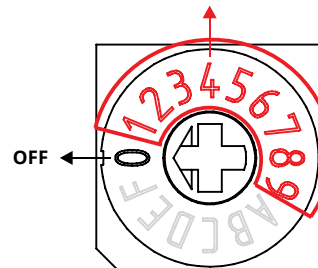
POWER MODE



Type of battery		AUTONOMY [h]		
		1h	3h	8h
Ni-MH/Ni-Cd	7,2V 1000mAh	3W	1W	-
	7,2V 1500 mAh	4W	2W	1W
	7,2V 2500mAh	8W	3W	1W
	7,2V 4000mAh	9W	5W	2W
	7,2V 8000mAh	9W	9W	4W

Settings

Power mode, choice of output power in the range: 1W - 9W



Light output in emergency mode (only power mode)

$$\frac{\text{light output in emergency mode}}{\text{light output in mains mode}} = \frac{\text{LED power in emergency mode}}{\text{LED power in mains mode}}$$

$$\downarrow$$

$$\text{light output in emergency mode [lm]} = \frac{\text{LED power in emergency mode [W]}}{\text{LED power in mains mode [W]}} \times \text{light output in mains mode [lm]}$$

**current list of products with Kiteramk and ENEC is available at www.awex.eu

EMERGENCY CONVERSION KITS

UNILED UM BASIC – ORDER CODES

CODE	BATTERY		
	CAPACITY	TYPE	PACKAGES
UM	10	CD	B1
UM	25	CD	B1

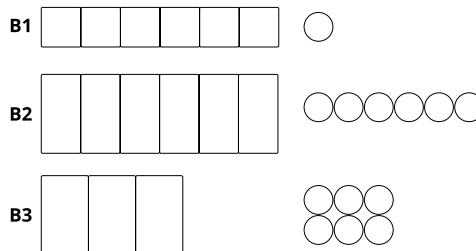
UNILED UM STANDARD – ORDER CODES

CODE	BATTERY			OPTION
	CAPACITY	TYPE	PACKAGES	
UM	10	CD	B1 B2 B3	PT
UM	15	CD	B1 B2 B3	PT
UM	25	CD	B1 B2 B3	PT
UM	40	CD	B1 B2 B3	PT
UM	80	CD	B1 B2 B3	PT

UNILED UM PREMIUM – ORDER CODES

CODE	BATTERY			OPTION
	CAPACITY	TYPE	PACKAGES	
UM	15	MH	B1 B2 B3	AT
UM	25	MH	B1 B2 B3	AT
UM	40	MH	B1 B2 B3	AT
UM	80	MH	B1 B2 B3	AT

CONFIGURATION OF BATTERY PACKAGES



LED indicator – uniled UM Basic/Standard

LED color	Signal	Symbolizing
●	no signal	emergency mode / Standby mode
	shining	Standby mode (battery is full)
	flashing	battery is being loaded, normal mode

LED indicator – uniled UM Premium

LED color	Signal	Symbolizing
●	no signal	emergency mode / running test
	shining	defective battery
	flashing	defective lamp, too much output power for this battery capacity
●	no signal	emergency mode / running test
	shining	normal mode
	flashing	battery is being loaded, normal mode

Legend:

- PT – manual test button
- AT – autotest
- UM – conversion kit Uniled UM
- 10 – battery capacity 1000 mAh
- 15 – battery capacity 1500 mAh
- 25 – battery capacity 2500 mAh
- 40 – battery capacity 4000 mAh
- 80 – battery capacity 8000 mAh
- CD – battery type Ni-Cd
- MH – battery type Ni-MH
- B1 – battery Stick
- B2 – battery Akku Pack
- B3 – battery Akku Pack block

Test types (version AT):

- Test A is run automatically every 28 days
 During test A a conversion kit is switched to emergency mode for 1 minute and the following parameters are checked:
- control of battery power discharge
 - control of battery voltage
- Test B is run automatically every 364 days
 During test B a conversion kit is switched to emergency mode for all duration time (1, 2, 3 hours) and the following parameters are checked:
- control of battery power discharge
 - control of minimum battery voltage



SYSTEMS

RUBIC UNA	110
RUBIC MINI UNA	111
CENTRAL BATTERY SYSTEM FZLV	112
CENTRAL BATTERY SYSTEM LPS	114
CENTRAL BATTERY SYSTEM CBS	116
THE SMART VISIO PLATFORM	118



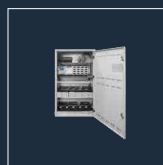
RUBIC UNA



RUBIC MINI UNA



CENTRAL
BATTERY
SYSTEM FZLV



CENTRAL
BATTERY
SYSTEM LPS



CENTRAL
BATTERY
SYSTEM CBS



SMART VISIO
PLATFORM

SYSTEMS

RUBIC UNA



The RUBIC UNA is the latest and the most advanced monitoring system designed to control independent luminaires of emergency and escape route lighting systems. It is designed to be used in medium-to-large facilities and buildings. Each control unit can handle up to 4,000 luminaires using MPU250 Power submodules. The submodules communicate with the RUBIC UNA control unit via LAN. The use of LAN also enables communication between individual submodules.

The RUBIC UNA system is equipped with a touch panel and an intuitive graphic menu to enable quick and easy system configuration without the need for using SMART VISIO.

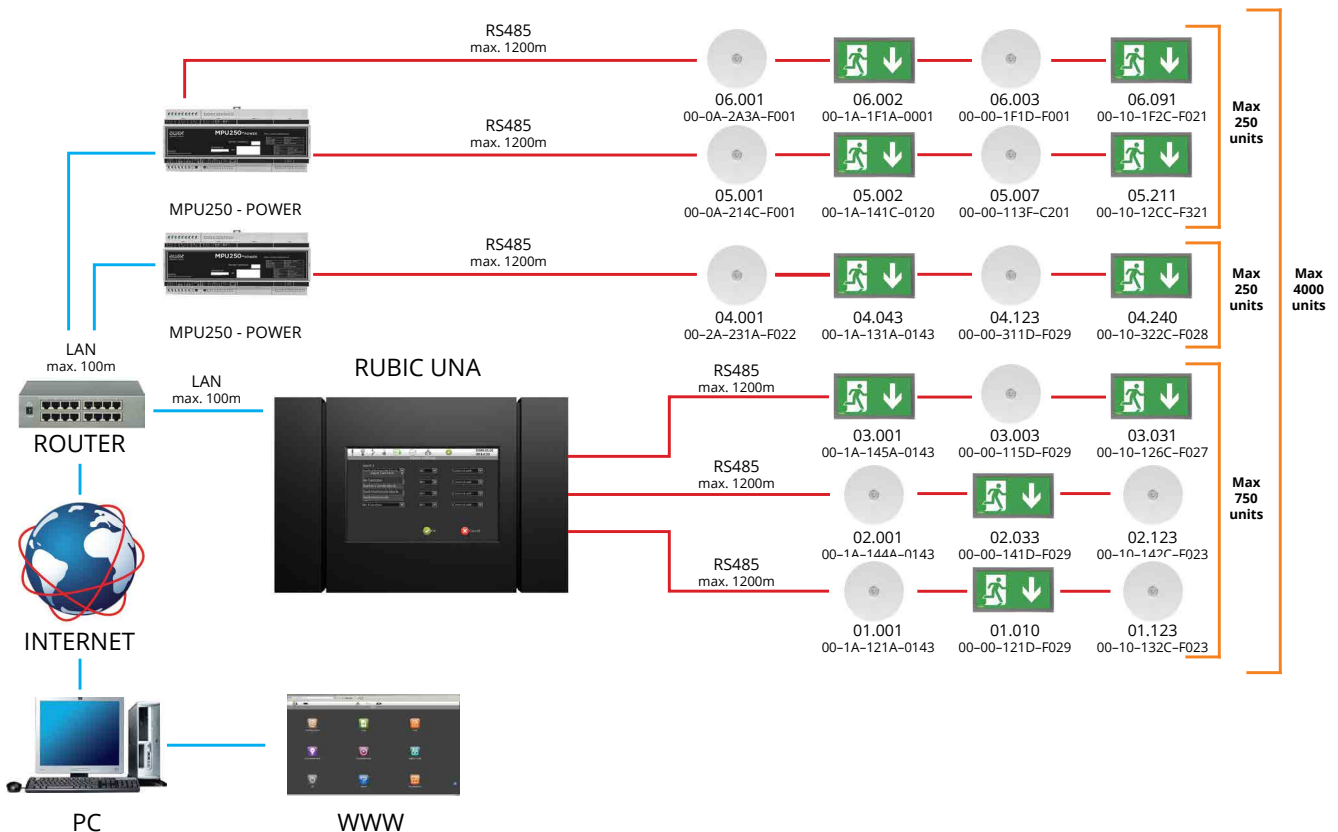
Thanks to introduced technical solutions polarity does not need to be observed any more while connecting a communication bus to the following system components:

- RUBIC UNA control unit
- MPU250 Power submodules
- RU address modules

Each RU address module is assigned an individual number/address. The addresses are factory-assigned, so an addressing unit is not required for installation, setting up or maintenance work.

Key features:

- Touch screen control unit
- Unique addresses of luminaires
- Factory-assigned module addresses
- No need for an addressing unit
- Intuitive GUI
- No need to observe the polarity of communication cables
- Four built-in potential-free contacts (input and output)
- Remote control option via Ethernet and a dedicated website
- Monitoring of up to 750 luminaires per control unit (3 logical buses: 01, 02 and 03 - each one with 2 physical channels)
- Possibility to expand the control system to 4,000 luminaires using submodules
- System status indication by means of icons on the control unit screen
- Compatibility with fluorescent and LED light sources
- Internal battery enabling continuous operation of the control unit
- Automatic performance of tests
- Registration of test results in an event log
- Division of luminaires into groups with freely adjustable testing times
- Mains supply mode for selected luminaires/groups
- System management and visualization by means of dedicated SMART VISIO software
- BACnet standard, enabling compatibility of the RUBIC UNA with Building Management Systems (BMS) SMART VISIO



SYSTEMS

RUBIC MINI UNA

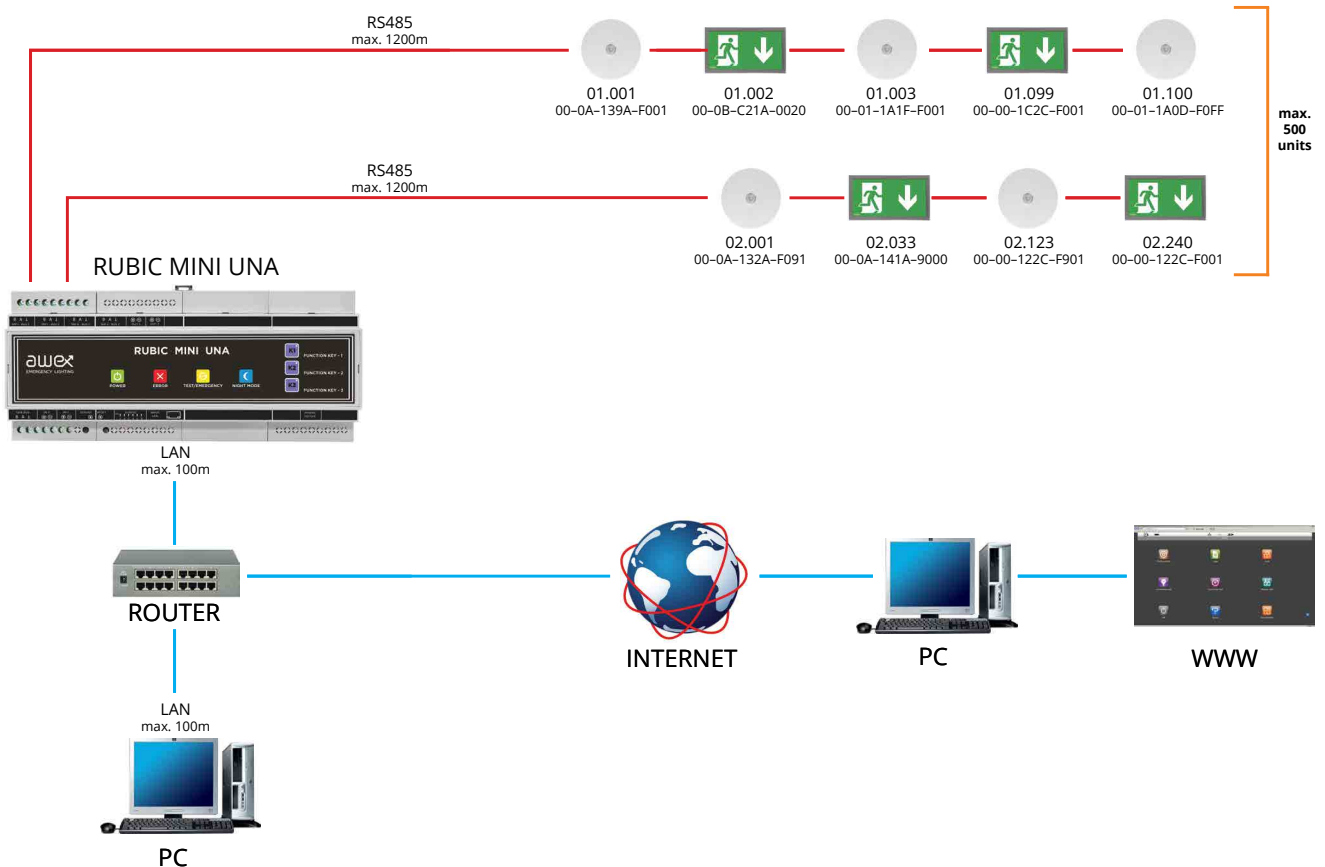


Key features:

- Monitoring of up to 500 emergency luminaires
- Maximum length of a single bus is 1200 m
- System status LEDs
- TH35 (DIN-3) rail mounted
- Three programmable function keys
- Two potential-free inputs (current loops)
- Two voltage outputs (to control external relays)
- Internal memory to store emergency lighting system reports, compliant with PN-EN 50172
- Mains supply mode, configured from the control unit
- Testing of individual luminaires or groups of luminaires
- Built-in battery to provide back-up power supply to the control unit
- RJ45 connector for direct communication with any computer via Ethernet
- Individually programmable IP address
- System status preview using any web browser
- Continuous communication with luminaires installed in the system
- System management and visualization by means of dedicated SMART VISIO software

The RUBIC MINI UNA system is a modern, compact solution designed for the monitoring of emergency luminaires with unique addresses installed in small-size buildings and facilities. The system offers the possibility to supervise up to 500 emergency luminaires equipped with RU-type power supply sources.

The main advantages of the MINI UNA control unit are its compact size and the possibility to mount it on a DIN-3 standard rail (TH35). The system is simplified but not deprived of the most important functionalities from the user's point of view. Each control unit is equipped with an RS485 connection for the communication bus, an RJ45 connector, four LEDs indicating the current status of the system, three function keys which can be programmed in the control unit, a reset button and a service pin to assign a unique IP address to the unit. Additionally, the control unit has two potential-free input contacts and two voltage outputs (so-called 'open collector'). Communication with RU emergency luminaires is provided by means of an RS485 standard communication bus. A single bus may not exceed 1200 m when linear topology is used. The communication with luminaires is continuous.



SYSTEMS

CENTRAL BATTERY SYSTEM FZLV

Central battery system FZLV is a high-tech device created to power and monitor emergency lighting in buildings of small and medium size and in closed fire zones. The system can work with up to 80 LED luminaires supplied by SELV 24V (Safety Extra-Low Voltage) and was designed in SMART technology.

The application of the SELV voltage ensures high level of safety of servicing of the system and its elements are compliant with the currently valid regulations. Small dimensions of the central unit enable the installation of the system in places where one cannot fit a large-size central battery system. The FZLV central unit is equipped with a big touch panel enabling both the current reading of the status of the system, circuits and

fittings and the introduction of all settings and parameters of the system with the use of the user interface. Statuses are displayed in both graphic and text form. Using the central unit one can assign a name to the fitting that will clearly help to identify the fittings installed in the system. Using the central unit one can program and freely configure the emergency fittings in constant, non-constant, switching and switching-dimming modes as well as night work mode. The system has its own IP address and RJ45 slot which is used for direct connection to Ethernet. With an built-in WEB module you can directly access the system from any computer and print the event log by using any web browser. Additionally, the system has an input and an SD card that allows to record and upload system settings (back-up) and the record of the reports of the Event Log in accordance with EN 50172.



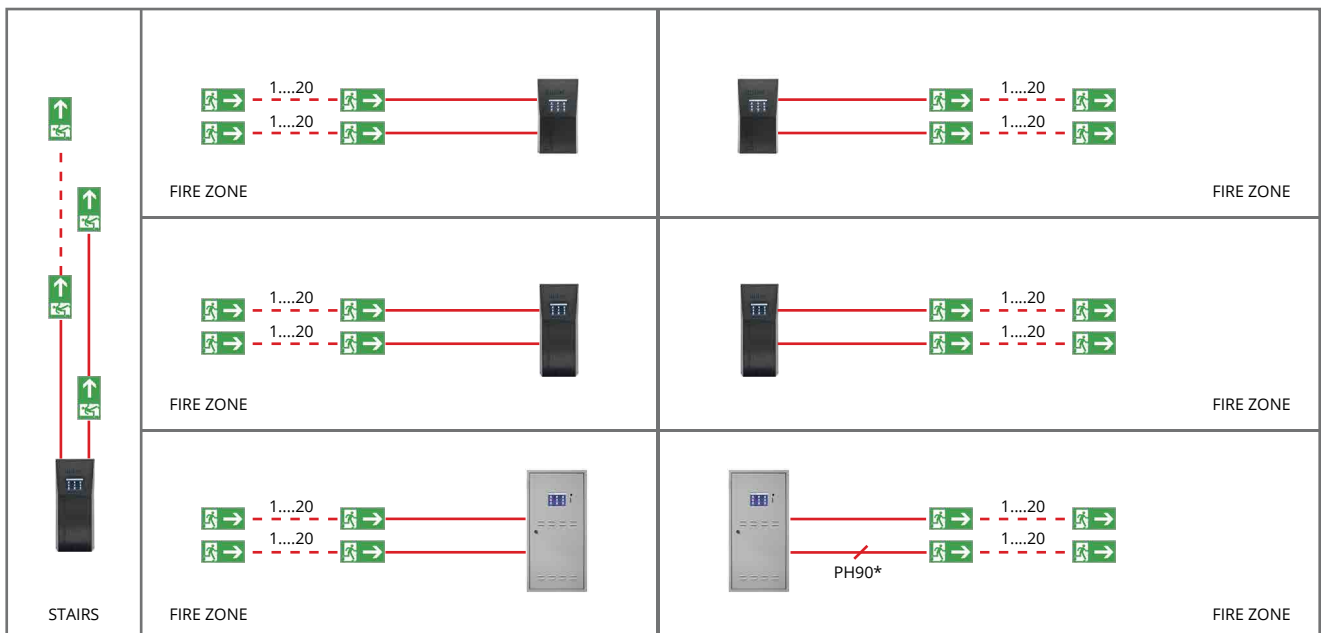
FZLV - 12 Ah



FZLV - 24 Ah



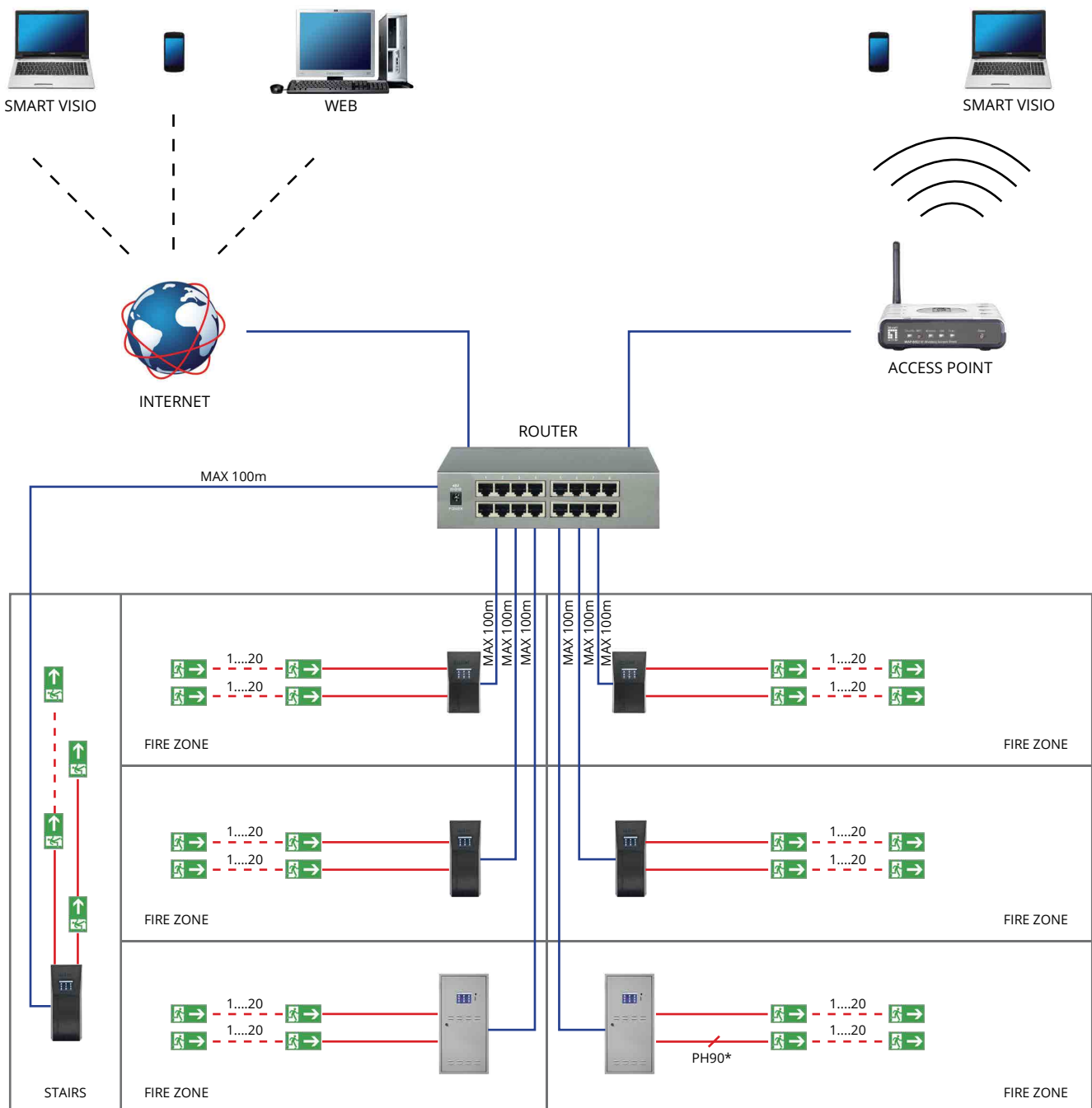
FZLV - MAX 33/52 Ah



SYSTEMS

The most important parameters:

- Power supply and monitoring up to 80 individual LED fittings in SMART technology
- Safe supply SELV 24V
- SMART technology – any mode of a fitting
- Easy to read, big LCD touch screen
- Easy and intuitive menu with simple icons
- Automated testing
- Automatic detection and adding of the fittings to the system
- Built-in WEB module
- Programming and configuration of the fittings directly from the system
- Communication with luminaires through the power supply cable
- SD slot and SD card for recording, transmission and printing emergency lighting reports from any PC, in accordance with EN 50172
- Possibility to store the system settings (back – up) on SD card
- Contained security light mode (night operation)
- Possibility to control fittings and some functions of the system via terminals 24V and 230V
- Testing of each fitting separately as well as group of fittings
- Internal rechargeable battery with a designed life of 10 years
- RJ45 slot for direct connection to Ethernet
- Individual IP address
- Preview of the system via web browser
- Works with any BMS (Building Management System) by using the module of potential-free contacts or a ModBus
- Unlimited grouping of systems and joint supervision by Smart Touch Controller
- Programmable emergency time operation for individual fixtures



SYSTEMS

CENTRAL BATTERY SYSTEM LPS

The LPS is a state-of-the-art, reliable and user-friendly central battery system manufactured by AWEX. It has been designed to meet applicable standards and comprises the proprietary SMART technology. From the functional point of view, the LPS is equivalent to the CBS, however due to its compact size and reduced power output it is intended for smaller-sized locations or in places where the power sources of emergency luminaires must be diversified (as a group). The LPS can power luminaires with a total power output of 1500W for 1h or 500W for 3h. Thanks to four sensor

inputs provided in the control module, fire zones can be managed by means of phase loss sensors (CZF) which monitor the voltage of the power supplied to the zones, The system is upgradable with ELS230 modules with 9 potential control inputs. Line modules have separate protection for AC and DC mode, which considerably increases the safety of emergency lighting activation in the building/facility. In the DC mode, the system operates as an IT network (insulated).

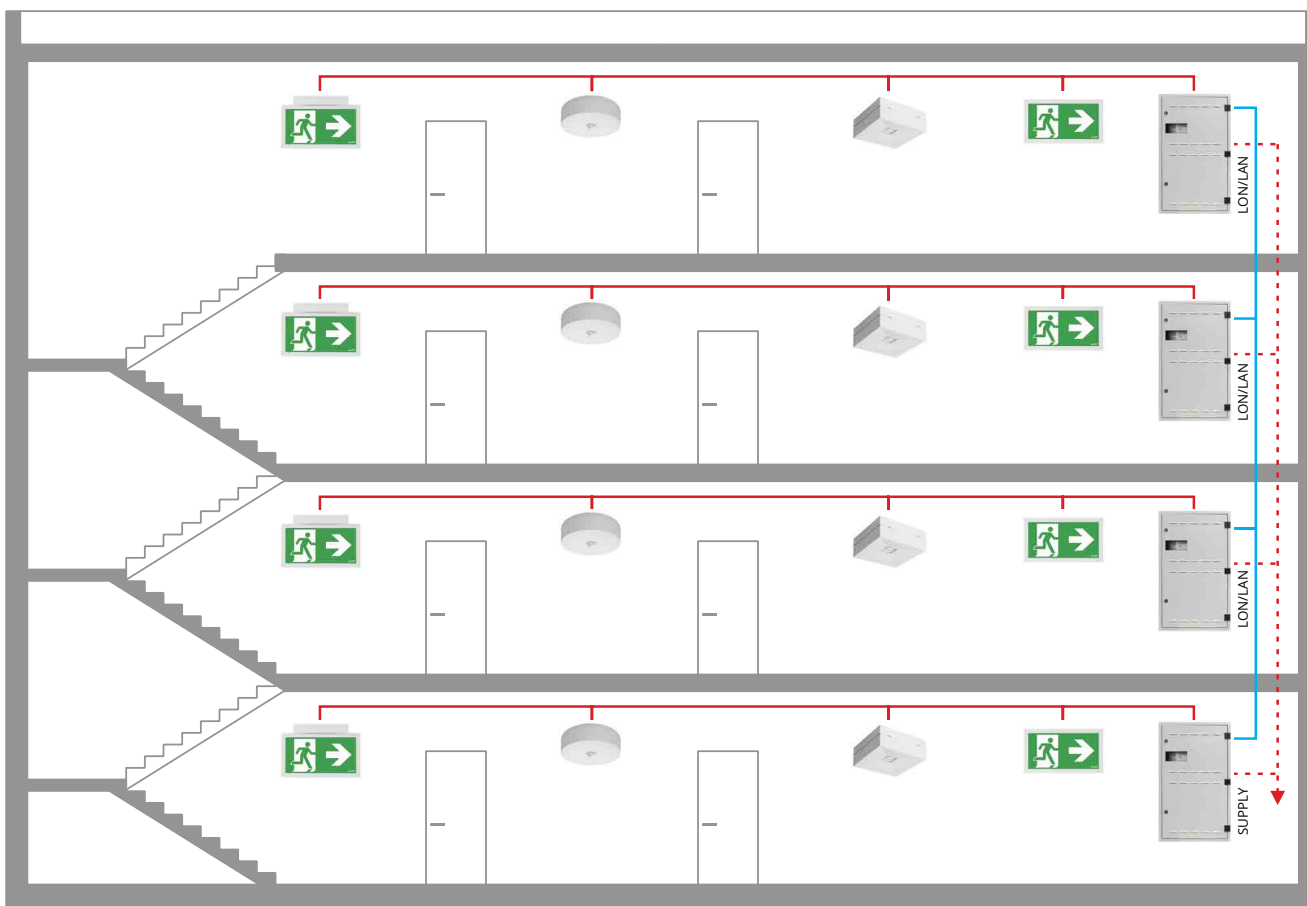


System LPS

SYSTEMS

The most important parameters:

- LCD display with easy-to-use menu
- Automatic test performing
- Automatic detection and adding luminaires to the system
- Monitoring of each luminaire
- Monitoring of each circuit
- Programming and configuration of the luminaires directly from the central unit
- Communication with luminaires through the power cable
- SMART technology – any mode of operation of the luminaire
- The linear modules are secured for the AC and DC mode separately
- SD card slot and card itself allow to save the periodic test results, event log and system configuration
- Possibility to record the back-up of the system on the SD card
- Night mode operation
- Possibility to control luminaires and functions of the system through the 24V and 230V internal and external connectors
- Possibility to monitor power in the distribution boards and in the separate lighting circuits
- RJ45 connector for direct communication with any computer via Ethernet
- Preview of the system via any web browser
- Management and visualization of the system by using dedicated software SMART VISIO
- Supply of the fixtures of total capacity 1500W for time 1h or 500W for 3h



SYSTEMS

CENTRAL BATTERY SYSTEM CBS

The CBS central battery system is state-of-the-art, reliable and easy-to-operate central battery system constructed in accordance with the requirements of VDE 0108 as well as EN 50171 and EN 50172 standards. Due to the possibility of using sub-modules it is dedicated to medium and large buildings and was designed in SMART technology.

The system monitors each output circuit individually and with the use of address modules – each luminaire. The system allows any configuration of mode both of the circuit and the luminaire. Using the driver one can programme the mode of the address module without interfering into the luminaire and without any specialized service software. The SD card slot used in the system allows to perform a backup of the system and to save

the periodic test results, event log and system configuration, in accordance with EN 50172. The event log can be printed out of the SD card on any PC without any additional software. Besides, all the settings are stored in non-volatile memory and will not be lost even during the complete power supply and battery failure. The charger module ensures battery charging based on UI characteristics with temperature compensation according to EN 50171. The charger is equipped with internal active PFC module which provides a power factor close to 1. Linear modules have separate protection for AC and DC mode, significantly increasing the safety level while switching on emergency lighting in the building. In DC mode the system works in IT network layout (isolated system).



System CBS Compact



System CBS Standard

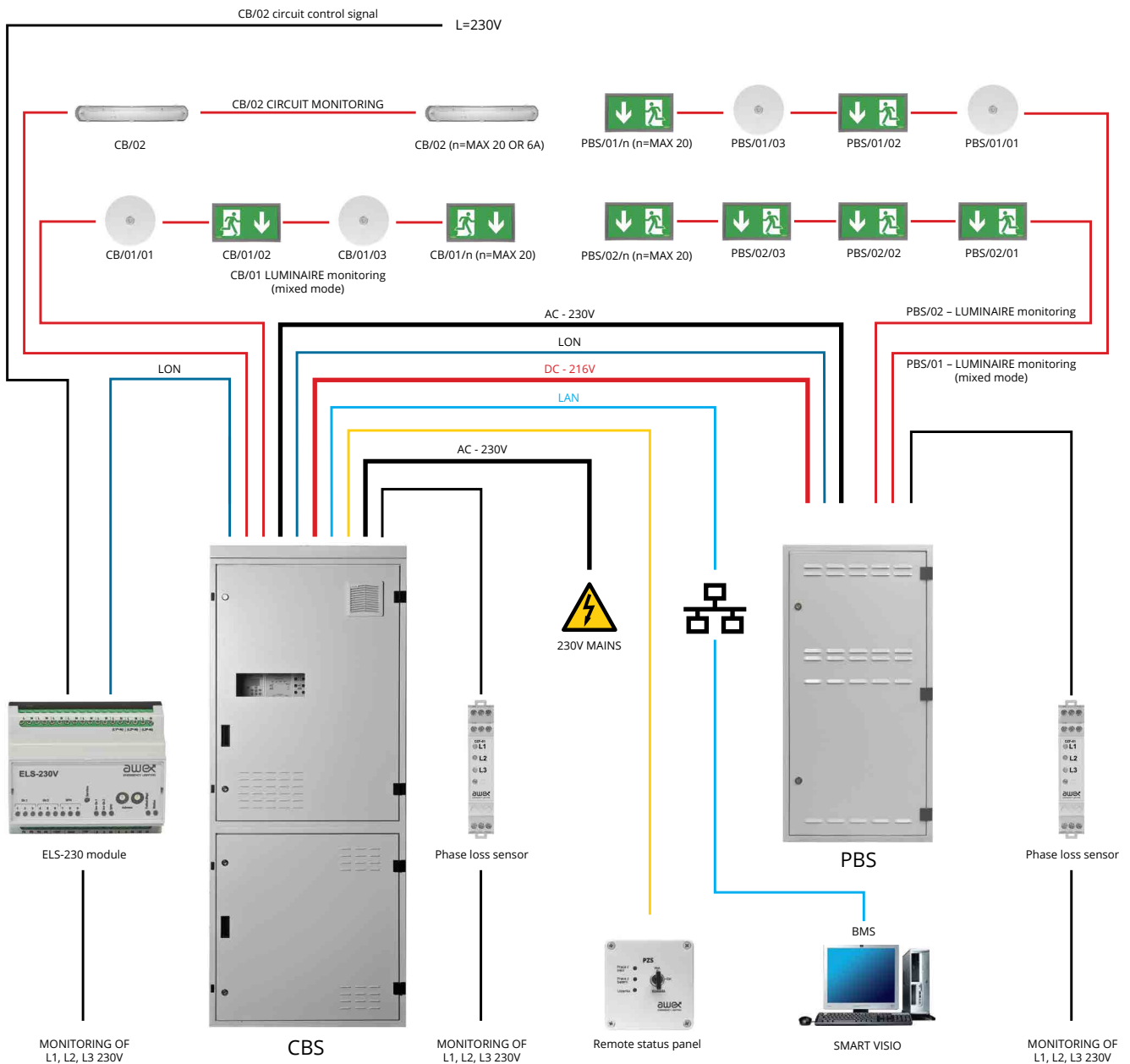
SYSTEMS

The most important parameters:

- LCD display with easy-to-use menu
- Automatic test performing
- Automatic detection and adding luminaires to the system
- Monitoring of each luminaire
- Monitoring of each circuit
- Programming and configuration of the luminaires directly from the central unit
- Communication with luminaires through the power cable
- SMART technology – any mode of operation of the luminaire
- The linear modules are secured for the AC and DC mode separately
- SD card slot and card itself allow to save the periodic test results, event log and system configuration,
- Possibility to record the back-up of the system on the SD card
- Night mode operation
- Possibility to control luminaires and functions of the system through the 24V and 230V internal and external connectors
- Possibility to monitor power in the distribution boards and in the separate lighting circuits
- Possibility to use sub-modules in standard version and HUB version
- RJ45 connector for direct communication with any computer via Ethernet
- Preview of the system via any web browser
- Battery set with 10 years life-time
- Works with any BMS (Building Management System) by using the potential-free contacts or BacNet
- Management, supervision and visualization of entire system via dedicated SMART VISIO software

Central battery circuits

Central battery substation circuits



SYSTEMS

THE SMART VISIO PLATFORM

SMART VISIO is an advanced control and monitoring application for the latest emergency lighting systems manufactured by AWEX. Irrespective of the chosen solution (FZLV, CBS or RUBIC UNA), SMART VISIO enables connection, integration and visualization of each system at the same time in any configuration and at a single control desk. Thanks to the application of the common BACnet protocol for system communication, the software can be implemented virtually in any building. SMART VISIO is inexpensive

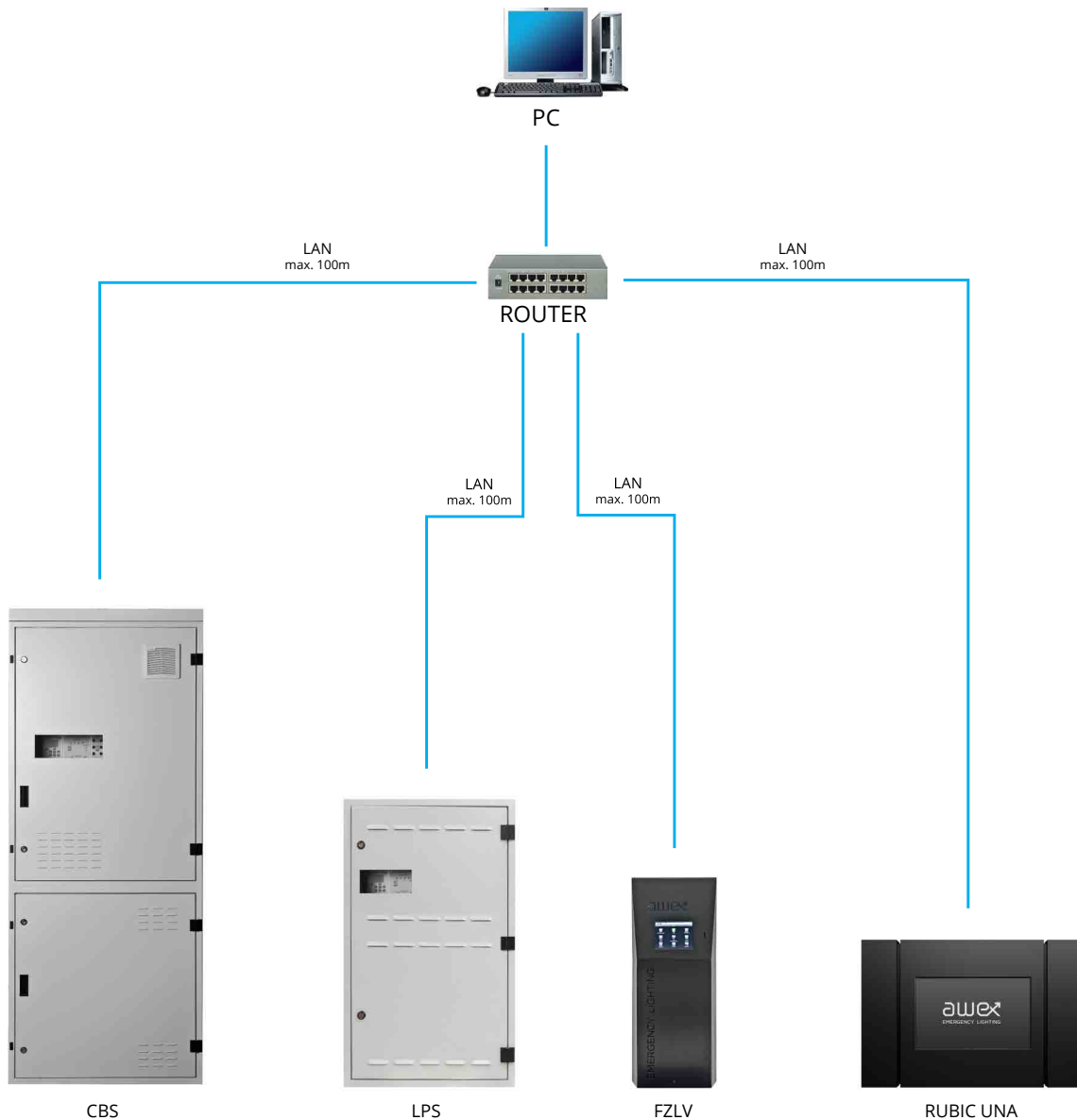
to install and offers the possibility of complete system visualization, which saves time and costs of everyday supervision. The software is recommended for use in shopping centres, medium and large office buildings, hospitals, stadiums, airport terminals, manufacturing plants and special purpose facilities. The system reporting complies with PN-EN 50172.

Features:

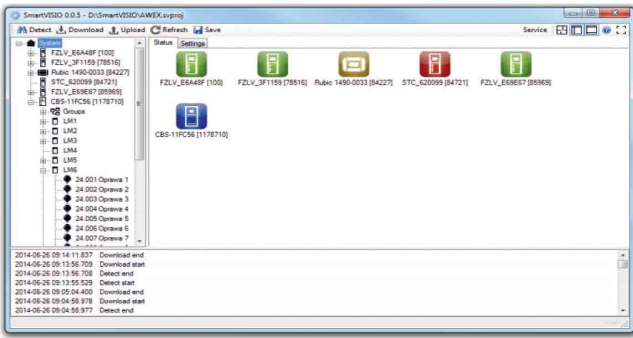
- Compatibility with all other AWEX emergency lighting systems
- Intuitive menu
- Possibility to upload floor plans and luminaire layouts
- Automatic control of emergency lighting
- Unlimited configuration possibilities for individual luminaires and the whole system from one place
- Luminaire and system status monitoring

- Possibility of installation on any Windows-based PC connected to a common LAN
- Instant verification of any faults and system errors
- Quick identification of faulty devices
- Simple diagnostics of primary system parameters visualized in a block diagram
- Possibility of system expansion by any number of connected components
- Possibility of remote management of integrated systems

SMART VISIO APPLICATION

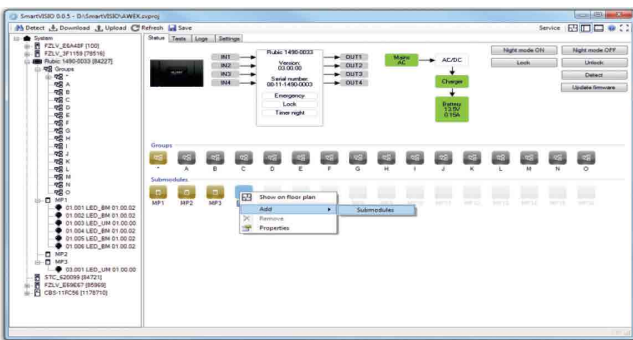


SYSTEMS

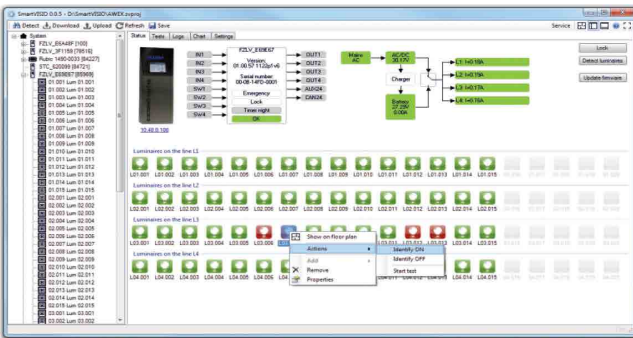


The structure of the system is represented as a tree and as panels with tabs. The order of elements is not set manually by a user, but is a result of addressing. The number and contents of tabs depend on the element of the system currently selected. Each element has a tab that displays its status.

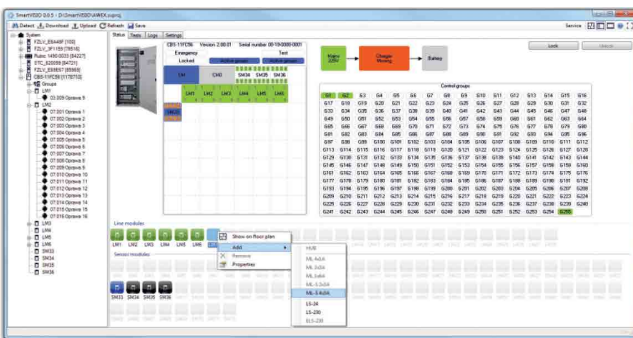
In the tree of the system, one of the systems can be selected and its status will be shown on the panel. If the System is chosen, the status of all the central units will be seen (icons change color the same way as on the plan of the building). To change the current settings, use "Settings" tab.



RUBIC panel allows you to see the status of Rubic UNA or Rubic UNA MINI central unit, as well as conversion kits and luminaires connected to it, to see the results of tests, reports and configuration of the central unit. The diagram displays the software version, serial number, status of inputs, outputs, errors, lock, night work, power status, charger status, battery status. Icons indicate the status of groups and sub-modules.



FZLV panel allows observation of the FZLV central unit and the luminaires connected to it, viewing test results, reports, graphs and configuration of the central unit. The diagram shows the hardware and software version, serial number, status of inputs, outputs, errors, lock, night work, total status of the central unit, power status, charger status, battery status, circuit status.



CBS panel allows observation of status of the central battery, control unit, charger, sensor modules, linear modules and luminaires, view test results, reports. The diagram shows a view of the central battery cabinet. Modules inside the cabinet can be moved by dragging the module with a mouse, left button pressed. The control module is shown as CM (Control Module), charger is shown as CH (Charger). The status of the groups (G1 - G255) is displayed in the table named Steering Groups. The list displays the status of the linear modules LM (Linear Module) and sensor modules SM (Sensor Module).



ADDITIONAL COMPONENTS

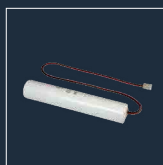
HTR 25 - HEATER WITH THERMOSTAT FOR LOW TEMPERATURE	122
ACCESSORIES	123
BATTERIES	125
PICTOGRAMS	126



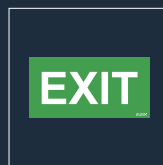
HTR 25
HEATER WITH
THERMOSTAT



ACCESSORIES



BATTERIES



PICTOGRAMS

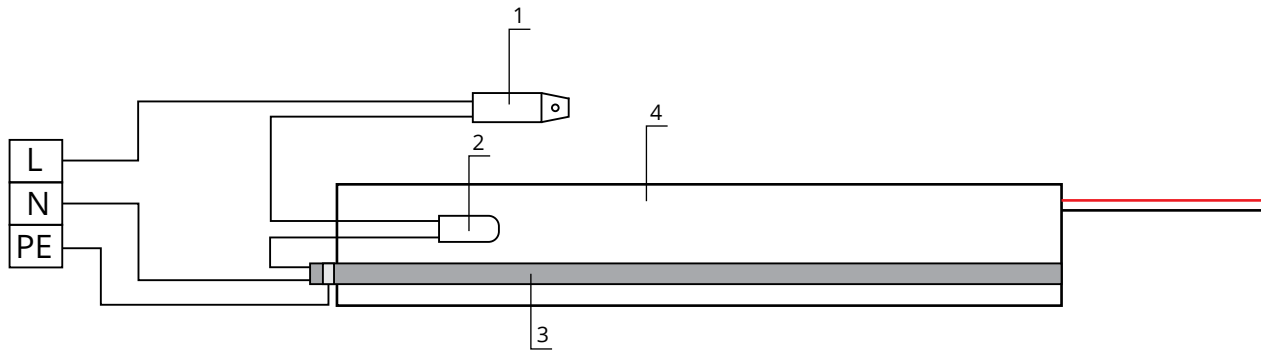
ADDITIONAL COMPONENTS

HTR 25 - HEATER WITH THERMOSTAT FOR LOW TEMPERATURE

System HTR-25 allows our emergency lighting fixtures to work in up to -25°C, which makes our products suitable for installation in cold rooms, parkings and outside of the buildings where self-contained emergency lighting fixtures are exposed to low temperatures. This innovative solution can be used with both NiCd and Ni-MH battery packs, with fluorescent tubes and with LED's. HTR-25 is suitable for AWEX's IP65 fixtures and for our conversion kits assembled in IP65 commercial lighting.

TECHNICAL SPECIFICATION:

- Power supply: 230 VAC/50 Hz
- Insulation class: I
- Minimal ambient temperature: -25°C
- Minimal battery temperature: +6°C
- Heater initiation temperature: <10°C



Legend:

- 1. Thermostat NO - closing temperature 10°C ±5°C - assembled inside the fixture
- 2. Thermostat NC - opening temperature 60°C ± 5°C - assembled on the battery
- 3. Self-regulated heating wire
- 4. Battery pack

ORDER CODES

CODE	BATTERY CAPACITY	BATTERY TYPE
HTR-25/3.6-1000-CD	3.6V 1000mAh	Ni-Cd
HTR-25/3.6-1500-CD	3.6V 1500mAh	Ni-Cd
HTR-25/3.6-2500-CD	3.6V 2500mAh	Ni-Cd
HTR-25/3.6-4000-CD	3.6V 4000mAh	Ni-Cd
HTR-25/4.8-1500-CD	4.8V 1500mAh	Ni-Cd
HTR-25/4.8-2500-CD	4.8V 2500mAh	Ni-Cd
HTR-25/4.8-4000-CD	4.8V 4000mAh	Ni-Cd
HTR-25/6.0-1500-CD	6.0V 1500mAh	Ni-Cd
HTR-25/6.0-2500-CD	6.0V 2500mAh	Ni-Cd
HTR-25/6.0-4000-CD	6.0V 4000mAh	Ni-Cd

CODE	BATTERY CAPACITY	BATTERY TYPE
HTR-25/3.6-1000-MH	3.6V 1000mAh	Ni-MH
HTR-25/3.6-1500-MH	3.6V 1500mAh	Ni-MH
HTR-25/3.6-2500-MH	3.6V 2500mAh	Ni-MH
HTR-25/3.6-4000-MH	3.6V 4000mAh	Ni-MH
HTR-25/4.8-1500-MH	4.8V 1500mAh	Ni-MH
HTR-25/4.8-2500-MH	4.8V 2500mAh	Ni-MH
HTR-25/4.8-4000-MH	4.8V 4000mAh	Ni-MH
HTR-25/6.0-1500-MH	6.0V 1500mAh	Ni-MH
HTR-25/6.0-2500-MH	6.0V 2500mAh	Ni-MH
HTR-25/6.0-4000-MH	6.0V 4000mAh	Ni-MH

HTR 25 heating system type is designed for installation in luminaires with a degree of IP65 or higher.


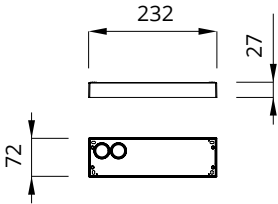

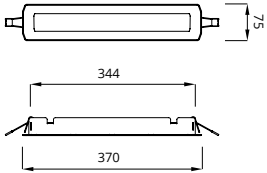

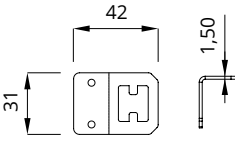

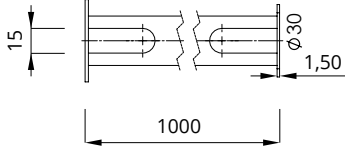

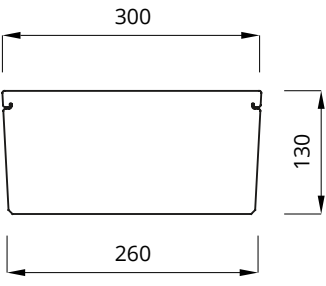
ADDITIONAL COMPONENTS

Accessories

NAME/CODE	PICTURE	TECHNICAL DRAWING	APPLICATION
CEILING BRACKET CODE: 1902			HELIOS
WALL BRACKET CODE: 1901			HELIOS
CEILING BRACKET WITH PIPE CODE: 2944			HELIOS
WALL BRACKET CODE: 1009			TWINS
SUSPENSION ROPES CODE: 1006			SCREEN DS, TWINS
UNDER PLASTERING CLIPS (SET OF 2 pcs) CODE:1010			TIGER, TIGER DS, TIGER P
WIRE GUARD HELIOS CODE: 1003 EMX CODE: 1004 PANORAMA CODE: 1005			HELIOS, EMX ,PANORAMA Dimensions: Helios: 405x100x170mm Emx: 405x132x208mm Panorama: 410x80x205mm
ACCESSORY FOR RECESSED MOUNTING CODE: IF2/REC			INFINITY II
CONCRETE BOX CODE: IF2/RWC			INFINITY II

ADDITIONAL COMPONENTS

Accessories

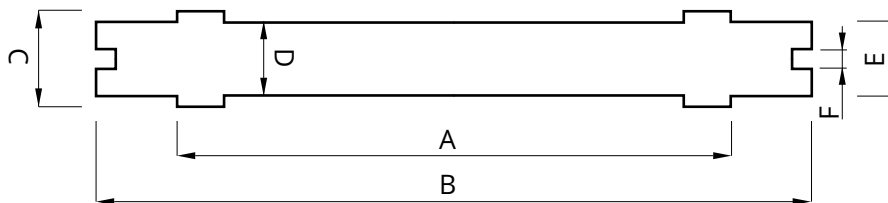
NAME/CODE	PICTURE	TECHNICAL DRAWING	APPLICATION
UM BOX CODE: UM/BOX			UNILED UM
ACCESORY FOR RECESSED MOUNTING CODE: SK8/REC			SK-8
ACCESORY FOR RECESSED MOUNTING (SET) CODE: ETE/REC			EXIT
ACCESORY FOR PENDANT MOUNTING (KIT) CODE: ETE/PEN			EXIT
PLEXI GLASS (SET) CODE: ETE/PLX			EXIT

ADDITIONAL COMPONENTS

BATTERIES



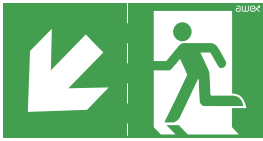
CODE	CAPACITY [mAh]	VOLTAGE [V]	DIMENSIONS [mm]			WEIGHT [Kg]			
			A	B	C		D	E	F
Ni-Cd	1000	3.6	153	179	18	15	14	4	0,076
	1500		136	162	25	22	18	4	0,14
	2500		152	178	30	26	20	4	0,21
	4000		189	210	30	33	25	4	0,352
Ni-Cd	1500	4.8	175	202	25	22	18	4	0,184
	2500		202	228	30	26	20	4	0,288
	4000		245	270	36	33	25	4	0,452
Ni-Cd	1500	6.0	218	244	25	22	18	4	0,228
	2500		248	275	30	26	20	4	0,354
	4000		303	329	36	33	25	4	0,574
Ni-MH	1500	3.6	153	179	18	15	14	4	0,088
	2500		136	162	25	22	18	4	0,172
	4000		152	179	30	26	20	4	0,26
Ni-MH	1500	4.8	202	228	18	15	14	4	0,114
	2500		175	202	25	22	18	4	0,22
	4000		202	228	30	26	20	4	0,338
Ni-MH	1500	6.0	251	276	18	15	14	4	0,14
	2500		220	246	26	23	18	4	0,268
	4000		251	276	30	26	20	4	0,398



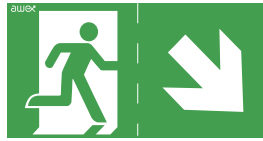
ADDITIONAL COMPONENTS

PICTOGRAMS

Pictograms (compliant with PN-EN ISO 7010:2012)



22



23



24



25



26



27

Additional pictograms



28



61

CODE	PMxx	PSxx	PDxx	PVxx	PWxx
Dimensions [mm]	100x300	125x250	150x300	200x400	300x600
Compatible with:	TG, TL, TGS, TSL	ET, ETP, H, HE, HEL, HD, HDE, HDL, HDEL, ARN, ARP	TP, TPL, HP, HPL, E, EL, TW, PL, P, IF2, SK8, SC30, SCS30	SC40, SCS40	SC60, SCS60

Key:

xx - pictogram ID number (see the photos above)

Versatile pictogram sets (compliant with PN-EN ISO 7010:2012)



31



32



33

CODE	PU31	PU32	PU33
Dimensions [mm]	125x250 (125x375)*	150x300 (150x450)*	100x300 (100x600)*
Compatible with:	ET, ETP, H, HE, HEL, HD, HDE, HDL, HDEL, ARN, ARP	TP, TPL, HP, HPL, E, EL, TW, PL, P, IF2, SK8	TG, TL, TGS, TSL

*overall size

Arrow signs (compliant with PN-EN ISO 7010:2012)



41



42



43



44



45



46























CODE	PU41, PU42	PU43, PU44	PU45, PU46
Dimensions [mm]	125x250	150x300	100x300
Compatible with:	ET, ETP, H, HE, HEL, HD, HDE, HDL, HDEL, ARN, ARP	TP, TPL, HP, HPL, E, EL, TW, PL, P, IF2, SK8	TG, TL, TGS, TSL

*overall size

INFORMATION FOR READERS

USED SYMBOLS

- | | | | |
|---|---|--|---|
|  | The product meets the requirements in accordance with the European Directive |  | Light source type - LED |
|  | The permissible range of AC input voltage |  | Light source type - fluorescent lamp T5 |
|  | The permissible range of DC input voltage |  | Protection class - IP65 |
|  | Safety extra low voltage SELV |  | Mounting of emergency escape lighting fittings - surface / ceiling |
|  | Insulation class I |  | Mounting of emergency escape lighting fittings - recessed / ceiling |
|  | Insulation class II |  | Mounting of emergency exit signs - recessed / ceiling |
|  | Insulation class III |  | Mounting of emergency exit signs - surface / ceiling |
|  | Type of used battery |  | Viewing distance d=25m |
|  | Current list of products with ENEC is available at www.awex.eu |  | Adaptation of the fixture for low temperatures up to -25°C |
|  | Current list of products with Kiteramk is available at www.awex.eu |  | Emergency exit sign fitting, a pictogram must be chosen |

KM 618355
BS-EN60592-2-22

*see pictogram

Photographs and parameters of the products shown in this catalogue are for reference only and cannot be relied upon as a legal offer. Certain parameters of supplied products may differ from the parameters of the products described in this catalogue. The appearance of actual products may slightly differ from the photographs and drawings contained in this catalogue. P.P.H.U AWEX reserves the right to discontinue products shown in this catalogue or to modify their parameter without notice.

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
www: awex.eu



Distributor

