

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

**INSULATION CLASS:**

II or III

**IP RATING:**

IP42 or IP65

**AMBIENT TEMPERATURE:**

t<sub>a</sub>: 0°C ÷ 40°C  
t<sub>a</sub>: -25°C ÷ 40°C – together with heater for low temperatures

**OPTIONS:**

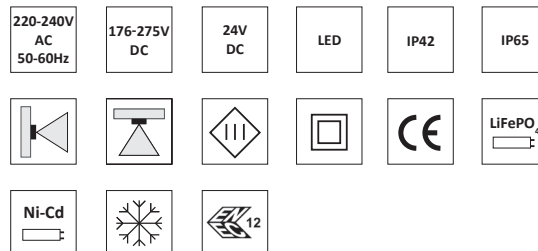
SE – non maintained  
SA – maintained  
PT – manual test button  
AT – autotest  
RU – Rubic UNA central monitoring  
FZLV – central battery FZLV 24VDC  
CB – central battery

**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):**



KM 618355  
BS-EN60592-2-22

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

## EMERGENCY ESCAPE LIGHTING

### SELF-CONTAINED CONFIGURATION

CODE	POWER	MODULE	AUTONOMY [h]		MODE	OPTIONS		COVER	
<b>STANDARD</b>									
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	
<b>PREMIUM</b>									
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]
<b>STANDARD</b>	
3W	330
3x1W	340
6x1W	920
<b>PREMIUM</b>	
3W	360
3x1W	370
6x1W	920

### OUTPUT IN EMERGENCY MODE

POWER	OUTPUT [lm]
3W	360
3x1W	370
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### OUTPUT IN EMERGENCY MODE

POWER	OUTPUT [lm]
3W	360
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### OUTPUT IN EMERGENCY MODE

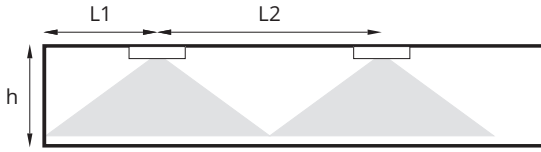
POWER	OUTPUT [lm]
3W	360
3x1W	370
6x1W	920

### LEGEND:

- HWM – fixture Helios IP65, assembly altitudes: 2,5 – 10 m
- HWEM – fixture Helios IP42, assembly altitudes: 2,5 – 10 m
- HWD – fixture Helios IP65, assembly altitudes: 8 – 14m
- HWED – fixture Helios IP42, assembly altitudes: 8 – 14m
- HHP – fixture Helios IP65 6x1W assembly altitudes: 2,5 – 8m
- 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**

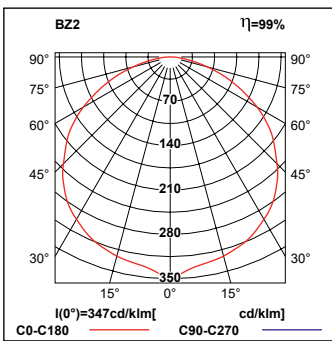
Photometry of HELIOS LED – HWM, HWD, HHP



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**



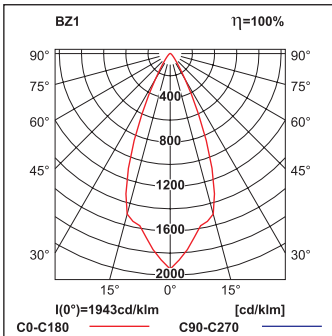
**HWM 3W (360lm) min. 1lx**

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**



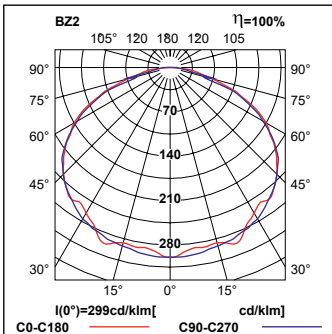
**HWD 3x1W (370lm) min. 1lx**

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