

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:

1W, 2W, 3W, 3x1W, 6x1W power 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, LiFePO₄ 6,4V batteries

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:

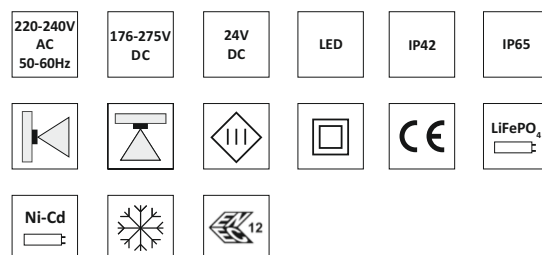
SE – non maintained
SA – maintained (with an option of connecting as non-maintained)
PT – manual test button
AT – autotest
RU – Rubic UNA central monitoring
RW – RUBIC UNA Wireless central monitoring
FZLV – central battery FZLV 24VDC
CB – central battery

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-EN 60598-2-22

EMERGENCY ESCAPE LIGHTING

SELF-CONTAINED CONFIGURATION

CODE	POWER	MODULE	AUTONOMY [h]		MODE	OPTIONS		COVER	
BASIC									
HWM HWEM	1W	E	1	3	SE	PT	X	TR	OP
STANDARD									
HWM HWEM	1W	C	1	3	SA	PT	X	TR	OP
	2W	C	1	3	SA	PT	X	TR	OP
	3W	C	1	3	SA	PT	X	TR	OP
HWD HWED HHP	3x1W	C	1	3	SA	PT	X	TR	
	6x1W*	B	1	3	SA	PT	X	TR	
PREMIUM									
HWM HWEM	1W	B	1	3	SA	AT RU RW		TR	OP
	2W	B	1	3	SA	AT RU RW		TR	OP
	3W	B	1	3	SA	AT RU RW		TR	OP
HWD HWED HHP	3x1W	B	1	3	SA	AT RU RW		TR	
	6x1W*	B	1	3	SA	AT RU RW		TR	

* power in emergency mode

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COVER	
HWM HWEM	1W	F	CB	CBS	X	TR	OP
	2W	F	CB	CBS	X	TR	OP
	3W	F	CB	CBS	X	TR	OP
HWD HWED HHP	3x1W	F	CB	CBS	X	TR	
	6x1W	F	CB	CBS	X	TR	

CENTRAL BATTERY CONFIGURATION - ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COVER	
HWM HWEM	1W	Z	CB	ADE	ADP	TR	OP
	2W	Z	CB	ADE	ADP	TR	OP
	3W	Z	CB	ADE	ADP	TR	OP
HWD HWED HHP	3x1W	Z	CB	ADE	ADP	TR	
	6x1W	Z	CB	ADE	ADP	TR	

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM	COVER
HWM HWEM	1W	FZLV	TR OP
	2W	FZLV	TR OP
	3W	FZLV	TR OP
HWD HWED HHP	3x1W	FZLV	TR
	6x1W	FZLV	TR

OUTPUT IN EMERGENCY MODE

POWER	*OUTPUT [lm]
BASIC	
1W	120
STANDARD	
1W	120
2W	220
3W	330
3x1W	340
6x1W	920
PREMIUM	
1W	130
2W	240
3W	360
3x1W	370
6x1W	920

OUTPUT IN EMERGENCY MODE

POWER	*OUTPUT [lm]
1W	130
2W	240
3W	360
3x1W	370
6x1W	920

OUTPUT IN EMERGENCY MODE

POWER	*OUTPUT [lm]
1W	130
2W	240
3W	360
3x1W	370
6x1W	920

OUTPUT IN EMERGENCY MODE

POWER	*OUTPUT [lm]
1W	130
2W	240
3W	360
3x1W	370
6x1W	920

*light Output value for transparent cover only

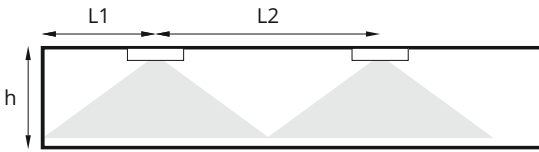
LEGEND:

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 – 14m
 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
 RW – RUBIC UNA Wireless central monitoring
 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

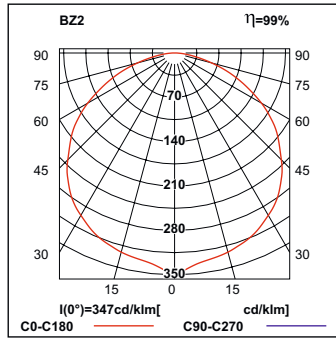
INFORMATION FOR READERS

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



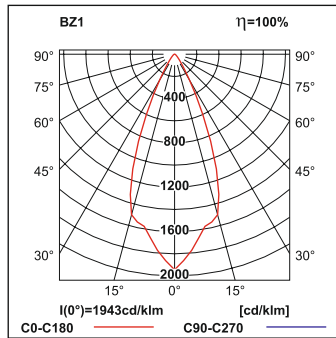
HWM 3W (360lm) min. 1lx

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



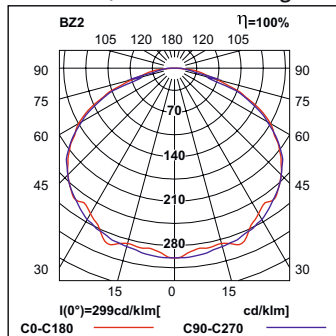
HWD 3x1W (370lm) min. 1lx

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 2,5 to 14m 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