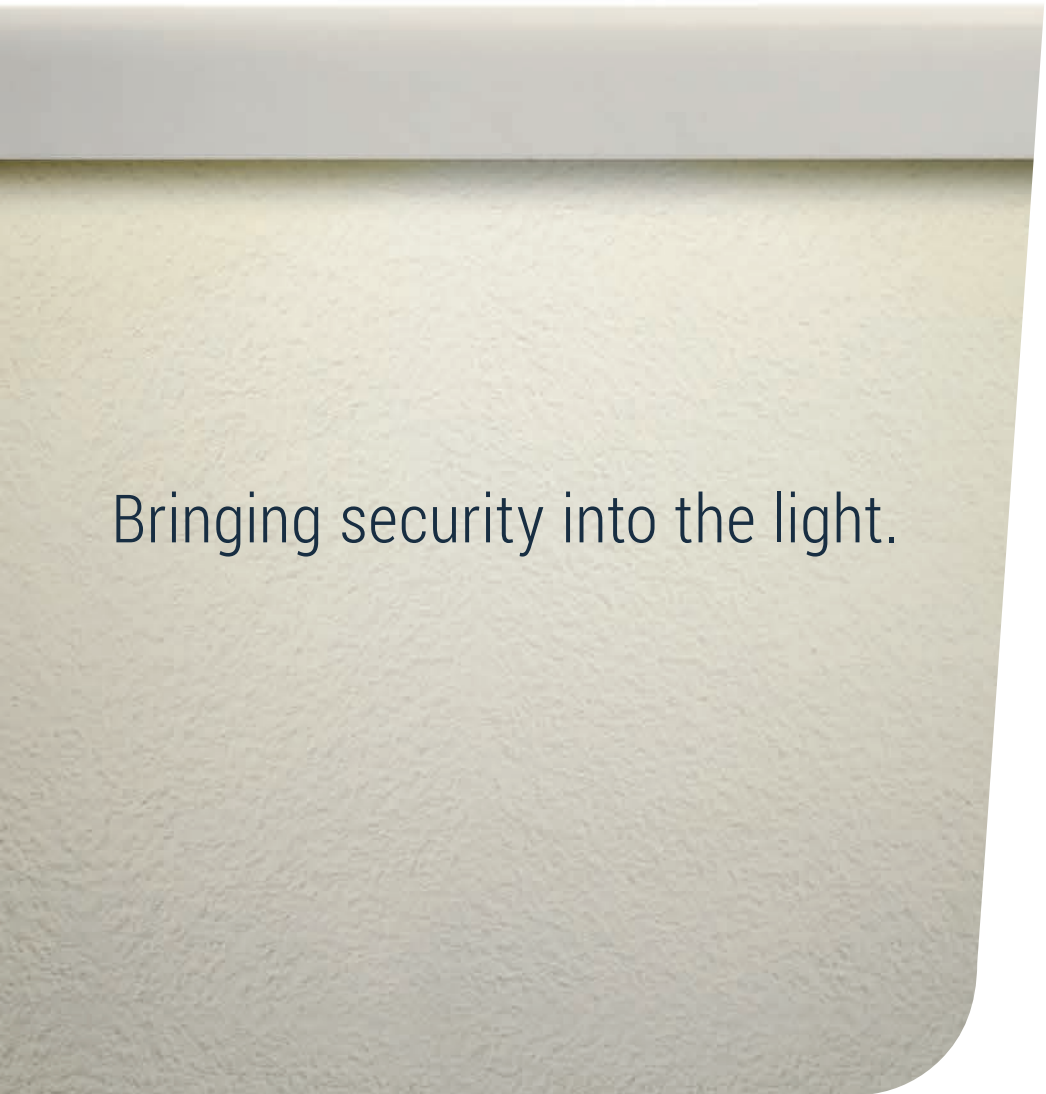
HARPER

lixil.lighting



Bringing security into the light.

General catalogue

LIXIL
EMERGENCY LIGHTING

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Harper

Years of passion and expertise of LIXIL's R&D professionals have brought about Harper. The line of LED emergency and signalling luminaires that provides a vast choice of power, autonomy, IP grade and much more.
The use of energy-saving LED technology with exclusive patented optics guarantees high flux (up to 400 lm) and eliminates the risk of glare.
The Harper line includes signalling luminaires with plexiglass diffusers that come in various sizes and with different visibility distance: 30m (Harper 330) and 20m (Harper 320). All Harper line models are specifically optimized for fast trouble-free installation.
The flexibility of these products permits wall, ceiling, flush and suspended mounting thanks to dedicated kits.
New high-performance lithium iron batteries ($LiFePO_4$) provide Harper emergency luminaires with optimum reliability even in high temperature environments. Longer lasting and more compact, secure and eco-friendly than ordinary nickel cadmium or metal hydride batteries. All models provide a test button which also functions as a brightness dimmer for maintained emergency luminaires.
The leading-edge Harper emergency luminaires are available in four versions: standard version; self-test version, which detects faults automatically; BUS interface version, which is supervised by the control-panel; central-battery version, for a centralized power-supply system.

Compatibility

All products in the Harper range with BUS operating capabilities can also be installed in addressable fire-detection systems: a feature currently offered exclusively by LIXIL.
This feature allows the use of a single control panel and a single BUS for both systems and allows the creation of such systems in less time and at a reduced cost. The 2 apparatuses (emergency luminaires, fire detection) can interact to increase their potential and functionality.

Harper emergency luminaires.

The lights can go out when least expected, for instance during extreme weather conditions, a fire hazard, work in progress or even network overload. In critical situations emergency luminaires provide crucial illumination and for occupants who must find their way out of a building.

Technology

The light source of the HARPER emergency luminaires series is an optimal blend of new generation long-life LEDs rated to over 50 thousand hours, high light output, low energy consumption and, thanks to an exclusive patented optical lighting design, highly effective glare-free technology that complies with all regulations regarding photobiological safety. The durability and performance of Harper emergency luminaires is further enhanced by new $LiFePO_4$ long-life batteries which are smaller and more environment-friendly than standard nickel-cadmium or nickel-metal hydride batteries.

Our selection

The Harper series offers a vast selection of LED lights for all emergency lighting needs.
The various levels of autonomy, different protection grades which satisfy the requirements of all environments and accessory-device flexibility determine suitability for all applications.
Two operating modes are available:
Maintained The luminaire remains On continuously both when the mains power supply is present and when it is not. This is normally required for evacuation routes.
Non Maintained The luminaire switches On only when there is a power cut on the mains power line.

Versions

Standard Self-powered devices, complete with battery. Require connection to the 230Vac mains network only.
Self-Test The emergency lighting devices are equipped with a microprocessor which manages the device (On/Off), its functions and its battery life. The device performs a FUNCTIONALITY TEST which runs every 14 days and

a battery AUTONOMY TEST which runs every 28 days. In this way the installer can carry out regular maintenance in a precise and almost effortless way due to the fact that the lamp itself signals any faults that may be present.
Bus-Supervised The devices are equipped with an interface which is electrically isolated from the rest of the electronic circuitry, this permits communication via BUS and therefore can be continuously monitored by a control panel. In all cases communication failure with the control panel (e.g. BUS Disconnected), the devices continue to function in a completely autonomous way and perform both the functionality and autonomy tests using the same procedure and times as the Self-Test.
Central-Battery The devices are not equipped with batteries but have a circuit with an electronic driver for the activation of the LEDs. They can be powered by a voltage between 160 and 260Vac and can be used as ordinary luminaires or be connected to a centralized supervision system.

Test button

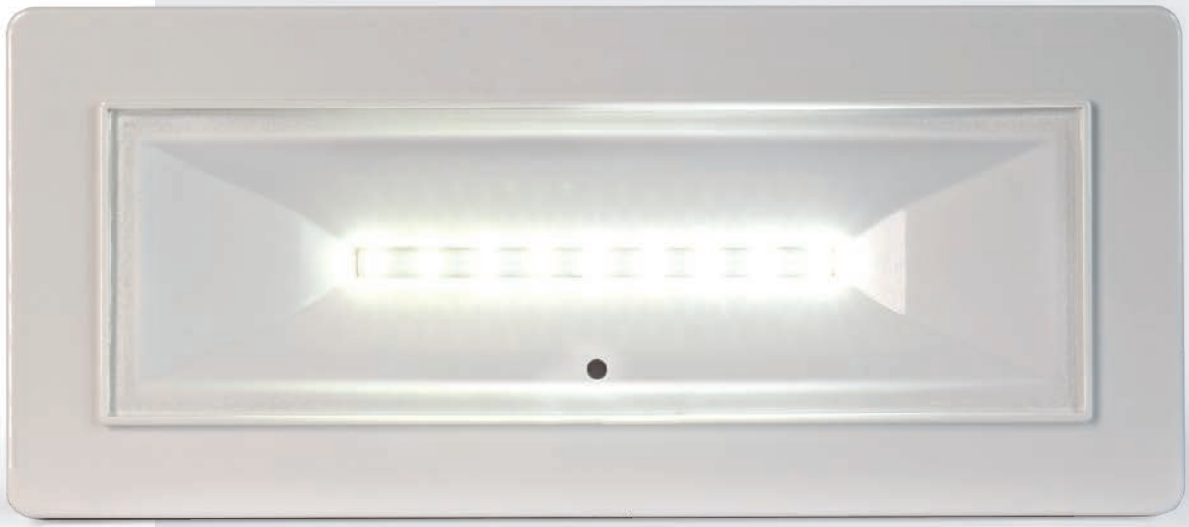
Many HARPER devices are equipped with a button which provides the installer with numerous functions. By simply by pressing the button you can, at any moment, verify the device functionality or by pressing and holding the button for 5 seconds you can perform the autonomy test. In Maintained devices, pressing the button for 2 seconds will allow you to dim the Maintained flux, from maximum brightness to minimum 10% intensity.
This latter function is particularly useful for devices installed in public places such as cinemas and theatres: under normal circumstances these will provide enough light to indicate evacuation routes without disturbing the show. In the event of an emergency, these luminaires will provide the maximum light level.

Inhibit and rest mode

The inhibit function, realized by means of a switch connected to the luminaire terminals, I and C, can be used to inhibit the emergency lighting system. However, this simple cost-efficient solution has a drawback: in the event of fault along the inhibit line, or if the switch is mistakingly left in the “OFF” position, the system will be permanently inhibited and consequently the light will be unable to switch on. As a countermeasure to these drawbacks the respective standards require a “Rest mode” which can be achieved by connecting an INICOM (centralized control device) to terminals R and C. The INICOM manages the Inhibit option on the luminaires and resets them in the event of blackout. This device allows you to carry out the functionality and autonomy test on the emergency system.

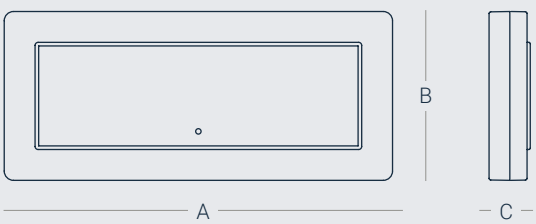
DIVA

LED emergency lamp with compact minimalist design.

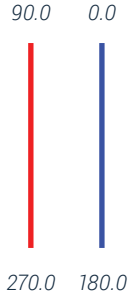


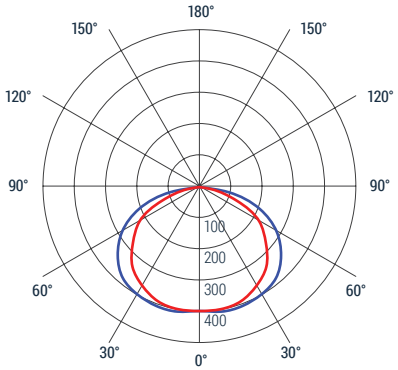
dimensions

A = mm 230
B = mm 100
C = mm 22,5



photometric diagram





cd / 1000 lm

DIVA

description

Product range	DIVA
Product type	Emergency lighting device
Versions	Standard, Self-Test, Bus-supervised, Central-Battery
Type	Maintained, Non-Maintained

technical specifications

Installation	Wall, ceiling
Power supply	220/230Vac, 50-60Hz
Battery	$LiFePO_4$ 3,2V
Insulation class	II
Colour	RAL9003 white
Light source	LED
Colour temperature	6000K
Screen	Ultrasound-welded Polycarbonate
Additional Info	dedicated terminal for the inhibit function
	dedicated terminal for the rest mode
IP grade	IP42, IP65 (*)
IK grade	IK07
Operating temperature	from 0° to 40°C
Compliant to standards	EN 55015, EN 60598-1, EN 60598-2-22
	EN 61000-3-2, EN 61000-3-3, EN 61347-1
	EN 61347-2-7, EN 61547, EN 62471

dimensions (mm)

Width	230
Height	100
Depth	22,5

(*) IP65 grade is obtained with accessories kit that includes:
1) 1 seal
2) 1 tubular junction-box fitting*
3) 2 plastic caps

Accessories

OHDVIP65
IP65 kit

INICOM
Remote control for management of rest mode

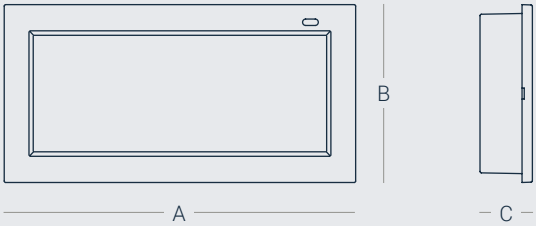
available versions	Order codes	Power	Duration	Battery $LiFePO_4$ 3,2V [Ah]	Maintained Non-Maintained	N/M FLUX (lm)	M FLUX (lm)	IP Grade	Recharge
standard	HPDVSE110242	11W	2 h	1,5	N/M	180	-	IP42	12 h
	HPDVSE180142	18W	1,5 h	1,5	N/M	320	-	IP42	12 h
	HPDVSA110242	11W	2 h	1,5	N/M--M	180	180	IP42	6 h
	HPDVSA180142	18W	1,5 h	1,5	N/M--M	320	180	IP42	6 h
self-test	HPDVAA110242	11W	2 h	1,5	N/M--M	180	180	IP42	6 h
	HPDVAA180142	18W	1 h	1,5	N/M--M	320	180	IP42	6 h
	HPDVAA240142	24W	1,5 h	2 x 1,5	N/M--M	400	220	IP42	12 h
bus-supervised	HPDVBA110242	11W	2 h	1,5	N/M--M	180	180	IP42	6 h
	HPDVBA180142	18W	1 h	1,5	N/M--M	320	180	IP42	6 h
	HPDVBA240142	24W	1,5 h	2 x 1,5	N/M--M	400	220	IP42	12 h
central-battery	HPDVLA180042	18W	-	-	-	-	320	IP42	-
	HPDVLA240042	24W	-	-	-	-	400	IP42	-

HP100

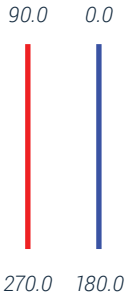
Emergency Luminaires.
Neat, compact easy to install emergency luminaires. The use of new generation LED technology with exclusive patented optics guarantees high flux and reliability over time.

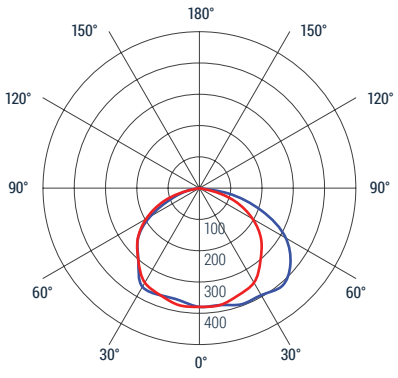
dimensions

A = mm 255
B = mm 122
C = mm 38



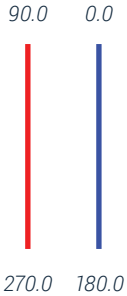
photometric diagram 8W e 11W

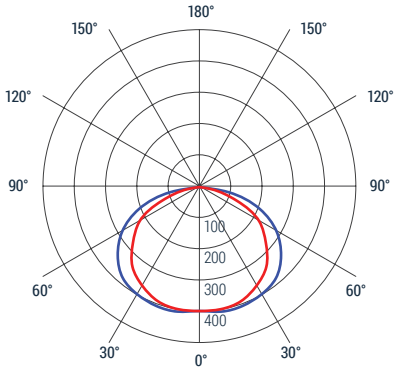




cd / 1000 lm

photometric diagram 18W e 24 W





cd / 1000 lm

HP100

description

Product range	HARPER 100
Product type	Emergency lamp
Versions	Standard, Self-Test, Bus-Supervised, Central-battery
Type	Maintained, Non-Maintained

technical specifications

Installation	Wall, ceiling, flush mounting/false ceiling
Power supply	220/230Vac, 50-60Hz
Battery	$LiFePO_4$ 3,2V
Insulation class	II
Colour	RAL9003 white
Light source	LED
Colour temperature	6000K
Additional info	Dedicated terminal for inhibition function
	Dedicated terminal for rest mode
	Test button
IP grade	IP40, IP65
IK grade	IK07
Operating temperature	From 0° to 50°C
Compliant to standards	EN 55015, EN 60598-1, EN 60598-2-22,
	EN 61000-3-2, EN 61000-3-3, EN 61347-1,
	EN 61347-2-7, EN 61547, EN 62471

dimensions (mm)

Width	255
Height	122
Depth	38

others informations

Guarantee	5 years
Packaging	14 pieces

Accessories

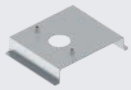
OH100BRI
Eall box for flush mounting

OH100PTDW
Pictogram for HP100 indicating down *

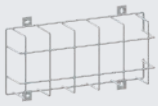
OH100PTDX
Pictogram for HP100 indicating right *

OH100PTSX
Pictogram for HP100 indicating left *

OH100FCK
Plasterboard and false ceiling fastening kit



OH100GRT
Metal protective grating for complete protection of the luminaire body



INICOM
Controller for the remote management of rest mode

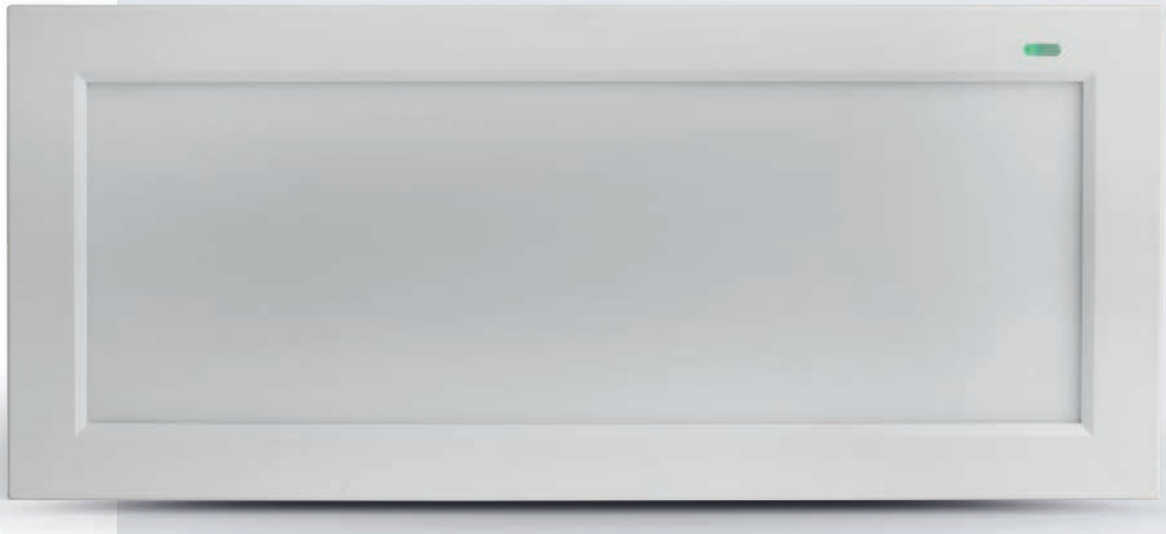
* See the "Accessories and spare parts" section.

available versions	Order codes	Power*	Duration	Battery $LiFePO_4$ 3,2V [Ah]	Maintained Non-Maintained	N/M FLUX (lm)	M FLUX (lm)	IP Grade	Recharge
standard	HP100 S E 08 03 40	08W	2 h	1,5	N/M	130	-	IP40	12h
	HP100 S E 18 01 40	18W	1 h	1,5	N/M	250	-	IP40	12h
	HP100 S E 08 07 40	08W	5 h	3,3	N/M	130	-	IP40	24h
	HP100 S E 18 03 40	18W	2 h	3,3	N/M	250	-	IP40	24h
	HP100 S E 08 03 65	08W	2 h	1,5	N/M	130	-	IP65	12h
	HP100 S E 18 01 65	18W	1 h	1,5	N/M	250	-	IP65	12h
	HP100 S E 08 07 65	08W	5 h	3,3	N/M	130	-	IP65	24h
	HP100 S E 18 03 65	18W	2 h	3,3	N/M	250	-	IP65	24h
self-test	HP100 A E 11 01 40	11W-08W	1h-1,5h	1,5	N/M	130-95	-	IP40	6h
	HP100 A E 24 01 40	24W-18W	1h-1,5h	1,5	N/M	250-185	-	IP40	6h
	HP100 A E 11 03 40	11W-08W	3h-4h	3,3	N/M	130-95	-	IP40	12h
	HP100 A E 24 03 40	24W	3h	3,3	N/M	250	-	IP40	12h
	HP100 A A 11 01 40	11W-08W	1h-1,5h	1,5	N/M--M	130-95	60	IP40	6h
	HP100 A A 24 01 40	24W-18W	1h-1,5h	1,5	N/M--M	250-185	120	IP40	6h
	HP100 A A 11 03 40	11W-08W	3h-4h	3,3	N/M--M	130-95	60	IP40	12h
	HP100 A A 24 03 40	24W	3h	3,3	N/M--M	250	120	IP40	12h
	HP100 A E 11 01 65	11W-08W	1h-1,5h	1,5	N/M	130-95	-	IP65	6h
	HP100 A E 24 01 65	24W-18W	1h-1,5h	1,5	N/M	250-185	-	IP65	6h
	HP100 A E 11 03 65	11W-08W	3h-4h	3,3	N/M	130-95	-	IP65	12h
	HP100 A E 24 03 65	24W	3h	3,3	N/M	250	-	IP65	12h
	HP100 A A 11 01 65	11W-08W	1h-1,5h	1,5	N/M--M	130-95	60	IP65	6h
	HP100 A A 24 01 65	24W-18W	1h-1,5h	1,5	N/M--M	250-185	120	IP65	6h
	HP100 A A 11 03 65	11W-08W	3h-4h	3,3	N/M--M	130-95	60	IP65	12h
	HP100 A A 24 03 65	24W	3h	3,3	N/M--M	250	120	IP65	12h
bus-supervised	HP100 B E 11 01 40	11W-08W	1h-1,5h	1,5	N/M	130-95	-	IP40	6h
	HP100 B E 24 01 40	24W-18W	1h-1,5h	1,5	N/M	250-185	-	IP40	6h
	HP100 B E 11 03 40	11W-08W	3h-4h	3,3	N/M	130-95	-	IP40	12h
	HP100 B E 24 03 40	24W	3h	3,3	N/M	250	-	IP40	12h
	HP100 B A 11 01 40	11W-08W	1h-1,5h	1,5	N/M--M	130-95	60	IP40	6h
	HP100 B A 24 01 40	24W-18W	1h-1,5h	1,5	N/M--M	250-185	120	IP40	6h
	HP100 B A 11 03 40	11W-08W	3h-4h	3,3	N/M--M	130-95	60	IP40	12h
	HP100 B A 24 03 40	24W	3h	3,3	N/M--M	250	120	IP40	12h
	HP100 B E 11 01 65	11W-08W	1h-1,5h	1,5	N/M	130-95	-	IP65	6h
	HP100 B E 24 01 65	24W-18W	1h-1,5h	1,5	N/M	250-185	-	IP65	6h
	HP100 B E 11 03 65	11W-08W	3h-4h	3,3	N/M	130-95	-	IP65	12h
	HP100 B E 24 03 65	24W	3h	3,3	N/M	250	-	IP65	12h
	HP100 B A 11 01 65	11W-08W	1h-1,5h	1,5	N/M--M	130-95	60	IP65	6h
	HP100 B A 24 01 65	24W-18W	1h-1,5h	1,5	N/M--M	250-185	120	IP65	6h
	HP100 B A 11 03 65	11W-08W	3h-4h	3,3	N/M--M	130-95	60	IP65	12h
	HP100 B A 24 03 65	24W	3h	3,3	N/M--M	250	120	IP65	12h
central-battery	HP100 L A 11 00 40	11W	-	-	-	-	130	IP40	-
	HP100 L A 24 00 40	24W	-	-	-	-	250	IP40	-
	HP100 L A 11 00 65	11W	-	-	-	-	130	IP65	-
	HP100 L A 24 00 65	24W	-	-	-	-	250	IP65	-

* It is possible to choose between two power values (where indicated) during the installation phase.

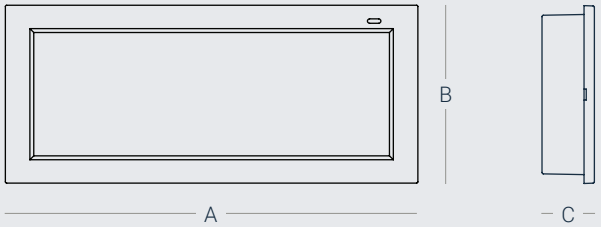
HP200

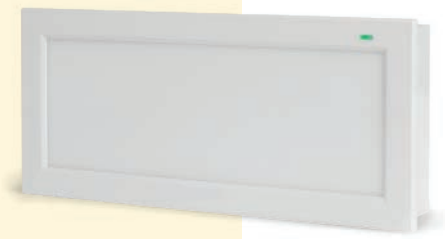
Emergency Luminaires.
Neat, compact easy to install emergency luminaires. The use of new generation LED technology with exclusive patented optics guarantees high flux and reliability over time.



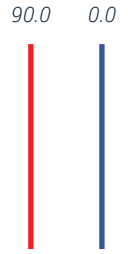
dimensions

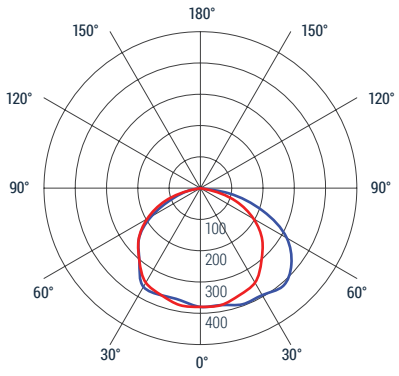
A = mm 319
B = mm 137
C = mm 38





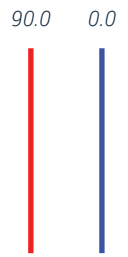
photometric diagram 11W e 18W

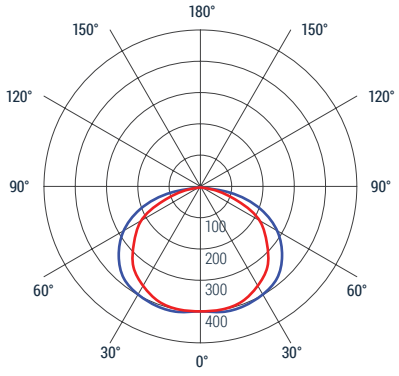




cd / 1000 lm

photometric diagram 24W e 36W





cd / 1000 lm

HP200

description

Product range	HARPER 200
Product type	Emergency lamp
Versions	Standard, Self-Test, Bus-Supervised, Central-Battery
Type	Maintained, Non-Maintained

technical specifications

Installation	Wall, ceiling, flush mounting/false ceiling
Power supply	220/230Vac, 50-60Hz
Battery	$LiFePO_4$ 3,2V
Insulation class	II
Colour	RAL9003 white
Light source	LED
Colour temperature	6000K
Additional info	Dedicated terminal for inhibition function
	Dedicated terminal for rest mode
	Test button
IP grade	IP42, IP65
IK grade	IK07
Operating temperature	From 0° to 50°C
Compliant to standards	EN 55015, EN 60598-1, EN 60598-2-22,
	EN 61000-3-2, EN 61000-3-3, EN 61347-1,
	EN 61347-2-7, EN 61547, EN 62471

dimensions (mm)

Width	319
Height	137
Depth	38

others informations

Guarantee	5 years
Packaging	10 pieces

Accessories

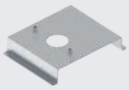
OH200BRI
Wall box for flush mounting

OH200PTDW
Pictogram for HP200 indicating down *

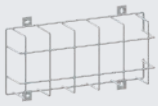
OH200PTDX
Pictogram for HP200 indicating right *

OH200PTSX
Pictogram for HP200 indicating left*

OH100FCK
Plasterboard and false ceiling fastening kit



OH100GRT
Metal protective grating for complete protection of the luminaire body



INICOM
Controller for the remote management of rest mode

* See the "Accessories and spare parts" section.

available versions	Order codes	Power*	Duration	Battery $LiFePO_4$ 3,2V [Ah]	Maintained Non-Maintained	N/M FLUX (lm)	M FLUX (lm)	IP Grade	Recharge
standard	HP200 S E 11 02 42	11W	1,5 h	1,5	N/M	180	-	IP42	12h
	HP200 S E 24 01 42	24W	1 h	1,5	N/M	360	-	IP42	12h
	HP200 S E 11 05 42	11W	4 h	3,3	N/M	180	-	IP42	24h
	HP200 S E 24 02 42	24W	2 h	3,3	N/M	360	-	IP42	24h
	HP200 S E 11 02 65	11W	1,5 h	1,5	N/M	180	-	IP65	12h
	HP200 S E 24 01 65	24W	1 h	1,5	N/M	360	-	IP65	12h
	HP200 S E 11 05 65	11W	4 h	3,3	N/M	180	-	IP65	24h
	HP200 S E 24 02 65	24W	2 h	3,3	N/M	360	-	IP65	24h
self-test	HP200 A E 18 01 42	18W-11W	1h-1,5h	1,5	N/M	180-135	-	IP42	6h
	HP200 A E 36 01 42	36W-24W	1h-1,5h	3,3	N/M	360-270	-	IP42	12h
	HP200 A E 18 03 42	18W-11W	3h-4h	3,3	N/M	180-135	-	IP42	12h
	HP200 A E 36 03 42	36W-24W	3h-4h	2 x 3,3	N/M	360-270	-	IP42	24h
	HP200 A A 18 01 42	18W-11W	1h-1,5h	1,5	N/M--M	180-135	80	IP42	6h
	HP200 A A 36 01 42	36W-24W	1h-1,5h	3,3	N/M--M	360-270	170	IP42	12h
	HP200 A A 18 03 42	18W-11W	3h-4h	3,3	N/M--M	180-135	80	IP42	12h
	HP200 A A 36 03 42	36W-24W	3h-4h	2 x 3,3	N/M--M	360-270	170	IP42	24h
	HP200 A E 18 01 65	18W-11W	1h-1,5h	1,5	N/M	180-135	-	IP65	6h
	HP200 A E 36 01 65	36W-24W	1h-1,5h	3,3	N/M	360-270	-	IP65	12h
	HP200 A E 18 03 65	18W-11W	3h-4h	3,3	N/M	180-135	-	IP65	12h
	HP200 A E 36 03 65	36W-24W	3h-4h	2 x 3,3	N/M	360-270	-	IP65	24h
	HP200 A A 18 01 65	18W-11W	1h-1,5h	1,5	N/M--M	180-135	80	IP65	6h
	HP200 A A 36 01 65	36W-24W	1h-1,5h	3,3	N/M--M	360-270	170	IP65	12h
	HP200 A A 18 03 65	18W-11W	3h-4h	3,3	N/M--M	180-135	80	IP65	12h
	HP200 A A 36 03 65	36W-24W	3h-4h	2 x 3,3	N/M--M	360-270	170	IP65	24h
bus-supervised	HP200 B E 18 01 42	18W-11W	1h-1,5h	1,5	N/M	180-135	-	IP42	6h
	HP200 B E 36 01 42	36W-24W	1h-1,5h	3,3	N/M	360-270	-	IP42	12h
	HP200 B E 18 03 42	18W-11W	3h-4h	3,3	N/M	180-135	-	IP42	12h
	HP200 B E 36 03 42	36W-24W	3h-4h	2 x 3,3	N/M	360-270	-	IP42	24h
	HP200 B A 18 01 42	18W-11W	1h-1,5h	1,5	N/M--M	180-135	80	IP42	6h
	HP200 B A 36 01 42	36W-24W	1h-1,5h	3,3	N/M--M	360-270	170	IP42	12h
	HP200 B A 18 03 42	18W-11W	3h-4h	3,3	N/M--M	180-135	80	IP42	12h
	HP200 B A 36 03 42	36W-24W	3h-4h	2 x 3,3	N/M--M	360-270	170	IP42	24h
	HP200 B E 18 01 65	18W-11W	1h-1,5h	1,5	N/M	180-135	-	IP65	6h
	HP200 B E 36 01 65	36W-24W	1h-1,5h	3,3	N/M	360-270	-	IP65	12h
	HP200 B E 18 03 65	18W-11W	3h-4h	3,3	N/M	180-135	-	IP65	12h
	HP200 B E 36 03 65	36W-24W	3h-4h	2 x 3,3	N/M	360-270	-	IP65	24h
	HP200 B A 18 01 65	18W-11W	1h-1,5h	1,5	N/M--M	180-135	80	IP65	6h
	HP200 B A 36 01 65	36W-24W	1h-1,5h	3,3	N/M--M	360-270	170	IP65	12h
	HP200 B A 18 03 65	18W-11W	3h-4h	3,3	N/M--M	180-135	80	IP65	12h
	HP200 B A 36 03 65	36W-24W	3h-4h	2 x 3,3	N/M--M	360-270	170	IP65	24h
central-battery	HP200 L A 18 00 42	18W	-	-	-	-	180	IP42	-
	HP200 L A 36 00 42	36W	-	-	-	-	360	IP42	-
	HP200 L A 18 00 65	18W	-	-	-	-	180	IP65	-
	HP200 L A 36 00 65	36W	-	-	-	-	360	IP65	-

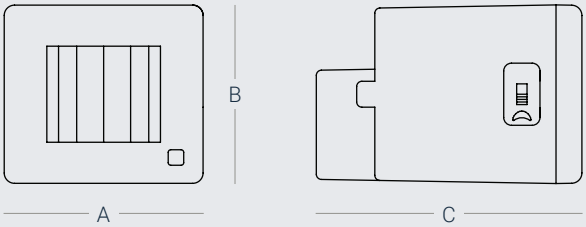
* It is possible to choose between two power values (where indicated) during the installation phase.

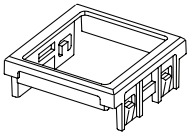
HP50

Mini emergency lamp with portable torch.
Flush mounting mini emergency lamp with portable torch. Available in 2-module version compatible with the most widely used wall plates in civil-building, compliant with CEI64-8 standards for residential installations. It has a stylish flush-mount profile and can be detached and reattached in a click.

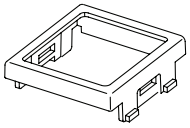
dimensions

A = mm 38,5
B = mm 34,5
C = mm 51,5

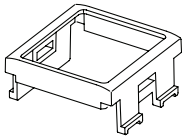




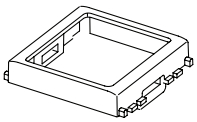
BTicino axolute, axolute air



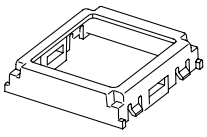
BTicino magic, matix



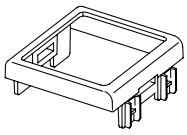
BTicino living light, living light air, living international, light



Vimar plana, eikon, eikon evo, arke'

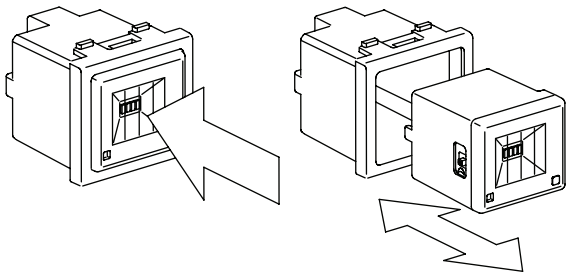


Vimar idea



Gewiss chorus lux, chorus one

detached and reattached in a click



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HP50

description

Product range	HARPER 50
Product type	Emergency lamp/Portable torch
Versions	Standard
Type	Maintained, Non-Maintained

technical specifications

Installation	Any standard flush mounting box like 503, 506, etc
Power supply	220/230Vac, 50-60Hz
Battery	Li-Ion 3,7 V
Insulation class	II
Colour	RAL9003 white
Light source	LED
Colour temperature	6000K
Additional info	Twilight sensor for courtesy light function
	On/off switch for portable torch
	On/off switch for twilight sensor
	Included frames for wall plates compatibility
	Anti-detachment screw
IP grade	IP40
IK grade	IK07
Operating temperature	From 0° to 50°C
Compliant to standards	EN 60598-1, EN 60598-2-22
	CEI 64-8

dimensions (mm)

Width	38,5
Height	34,5
Depth	51,5

others informations

Packaging	10 pieces

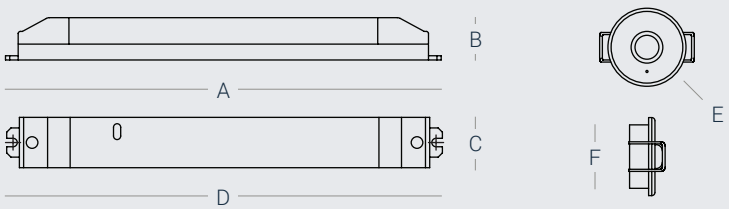
Order codes	N°Led	Duration	Battery Li-Ion 3,7V [Ah]	Maintained Non-Maintained	N/M FLUX (lm)	M FLUX (lm)	IP Grade	Recharge	Frame Colour
HP50SA000340	4	3-6 h	0,65	N/M--M	42	5	IP40	12-24h	White
HP50SA000340-N	4	3-6 h	0,65	N/M--M	42	5	IP40	12-24h	Black

GEMMA

Ultra thin mini flush-mount emergency spotlight, ideal for residential installations. It is available with three different optics designed for the illumination of antipanic areas, escape routes and wall installation.

dimensions

A = mm 205
B = mm 20
C = mm 24
D = mm 200
E = ø mm 37
F = mm 30

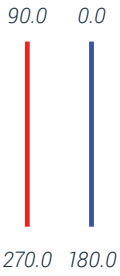


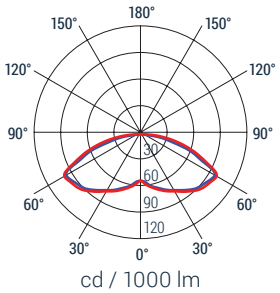
GEMMA-A
Antipanic area lens

GEMMA-C
Escape route lens

GEMMA-M
Wall installation lens

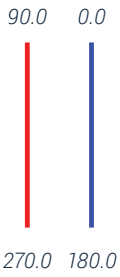
photometric diagram GEMMA-A

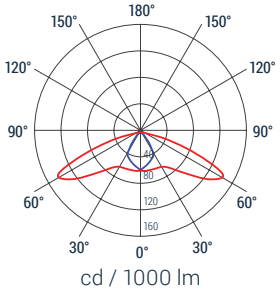




cd / 1000 lm

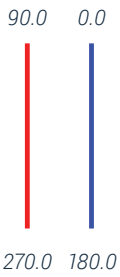
photometric diagram GEMMA-C

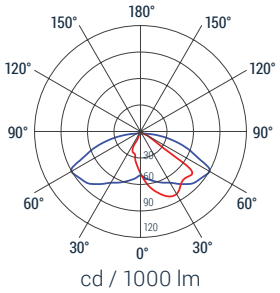




cd / 1000 lm

photometric diagram GEMMA-M





cd / 1000 lm

GEMMA

description

Product range	GEMMA
Product type	Emergency lighting device
Versions	Standard
Type	Non-Maintained

technical specifications

Installation	Wall/False ceiling
Power supply	220/230Vac, 50/60 Hz
Battery	$LiFePO_4$ 3,2V
Insulation class	II
Colour	white
Light source	LED
Colour temperature	4000K
IP grade	IP20
IK grade	IK07
Operating temperature	from 0° to 50°C
Compliant to standards	EN 60598-1, EN 60598-2-2, EN 60598-2-22
	EN 55015, EN 61547

dimensions (mm)

Diameter	37

available versions

standard

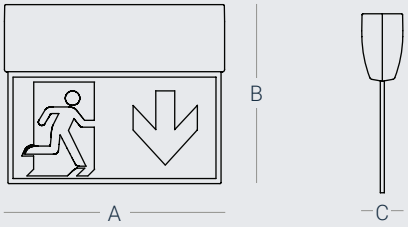
Order codes	Product name	Lens type	Max consumption [W]	Duration	Battery $LiFePO_4$ 3,2V [Ah]	Maintained Non-Maintained	N/M FLUX (lm)	IP Grade	Recharge
HPGM SE0A0320-B	GEMMA - A	Antipanic area	1,5	3 h	1,5	N/M	150	IP20	12 h
HPGM SE0C0320-B	GEMMA - C	Escape route	1,5	3 h	1,5	N/M	150	IP20	12 h
HPGM SE0M0320-B	GEMMA - M	Wall installation	1,5	3 h	1,5	N/M	150	IP20	12 h

HP320

Signalling luminaires for escape routes, compact and flexible, single bracket suits all mounting applications. Visibility distance 20 meters with international standard compliant safety signs (ISO7010).

dimensions

A = mm 217
B = mm 176,5
C = mm 41



HP320

description

Product range	HARPER 320
Product type	Signalling luminaires
Versions	Self-Test, Bus-Supervised, Central-Battery
Type	Maintained

technical specifications

Installation	Surface, flag, ceiling, false ceiling, suspended mounting
Power supply	220/230Vac, 50-60Hz
Battery	$LiFePO_4$ 3,2V
Visibility distance	20 m
Insulation class	II
Colour	RAL9003 white
Light source	LED
Colour temperature	6000K
Additional info	Dedicated terminal for inhibition function
	Dedicated terminal for rest mode
	Test button and brightness dimmer
IP grade	IP40
IK grade	IK07
Operating temperature	From 0° to 50°C
Compliant to standards	EN 60598-1, EN 60598-2-22, EN 62471
	EN 1838, ISO 3864-4, ISO 7010

dimensions (mm)

Width	217
Height	176,5
Depth	41

others informations

Guarantee	5 years
Packaging	5 pieces

accessories

OH320FCK
Kit for recessed installation on a false ceiling leaving only the signalling panel visible

OH3X0SPK
Kit for suspension installation

OH320GRT
Metal protective grating for complete protection of the luminaire body

OH320PNDW
Pmma panel with pictograms indicating down*

OH320PNRL
Pmma panel with pictograms indicating left/right*

INICOM
Controller for the remote management of rest mode

* See the "Accessories and spare parts" section.

available versions

self-test

bus-supervised

central-battery

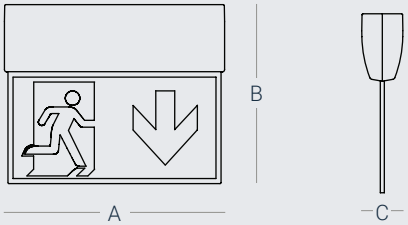
Order codes	Duration	Battery $LiFePO_4$ 3,2V [Ah]	Maintained Non-Maintained	IP Grade	Recharge
HP320 A A 00 03 40	3 h	1,5	M	IP40	6h
HP320 B A 00 03 40	3 h	1,5	M	IP40	6h
HP320 L A 00 00 40	-	-	-	IP40	-

HP330

Signalling luminaires for escape routes, compact and flexible, single bracket suits all mounting applications. Visibility distance 30 meters with international standard compliant safety signs (ISO7010).

dimensions

A = mm 322
B = mm 231,5
C = mm 41



HP330

description

Product range	HARPER 330
Product type	Signalling luminaires
Versions	Self-Test, Bus-Supervised, Central-Battery
Type	Maintained

technical specifications

Installation	Surface, flag, ceiling, false ceiling, suspended mounting
Power supply	220/230Vac, 50-60Hz
Battery	$LiFePO_4$ 3,2V
Distanza di visibilità	30 m
Insulation class	II
Colour	RAL9003 white
Light source	Led
Colour temperature	6000K
Additional info	Dedicated terminal for inhibition function
	Dedicated terminal for rest mode
	Test button and brightness dimmer
IP grade	IP40
IK grade	IK07
Operating temperature	From 0° to 50°C
Compliant to standards	EN 60598-1, EN 60598-2-22, EN 62471
	EN 1838, ISO 3864-4, ISO 7010

dimensions (mm)

Width	322
Height	231,5
Depth	41

others informations

Guarantee	5 years
Packaging	5 pieces

Accessories

OH330FCK
Kit for recessed installation on a false ceiling leaving only the signalling panel visible

OH3X0SPK
Kit for suspension installation

OH330GRT
Metal protective grating for complete protection of the luminaire body

OH330PNDW
Pmma panel with pictograms indicating down*

OH330PNRL
Pmma panel with pictograms indicating left/right*

INICOM
Controller for the remote management of rest mode

* See the "Accessories and spare parts" section.

available versions

	Order codes	Duration	Battery $LiFePO_4$ 3,2V [Ah]	Maintained Non-Maintained	IP Grade	Recharge
self-test	HP330 A A 00 01 40	1 h	1,5	M	IP40	6h
	HP330 A A 00 03 40	3 h	3,3	M	IP40	12h
bus-supervised	HP330 B A 00 01 40	1 h	1,5	M	IP40	6h
	HP330 B A 00 03 40	3 h	3,3	M	IP40	12h
central-battery	HP330 L A 00 00 40	-	-	-	IP40	6h

The Harper Manager control panel

The centralized supervision of the emergency lighting system is a system of diagnostics and control managed by a computerized control panel which collects and stores all the data coming from the lamps.
The **HARPER MANAGER** and **HARPER MANAGER XL** control panels allow you to carry out the following functions:

- test the functionality of devices;
- test and measure the battery life of devices;
- enable and disable the emergency function;
- switch On and Off the devices in Maintained mode;
- maintained brightness adjustment.

Only authorized persons can access the control panel functions by means of digital password entry or insertion of a valid key. The large 7" display touchscreen and intuitive graphic interface allow fast and easy programming of all the variables and advanced management of all data.

Utility

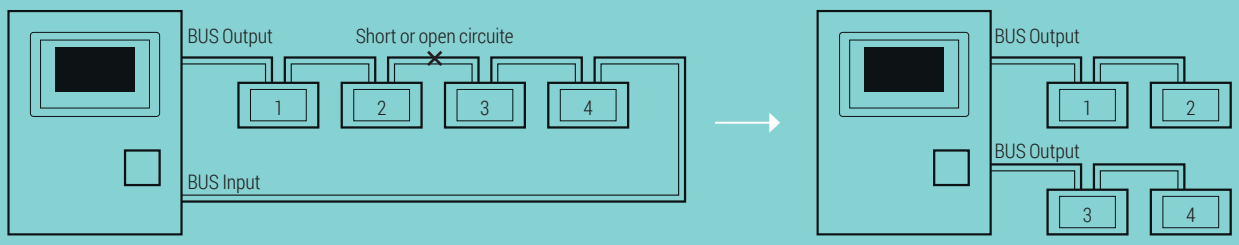
The light source of the HARPER emergency luminaires series is an optimal blend of new generation long-life LEDs rated to over 50 thousand hours, high light output, low energy consumption and, thanks to an exclusive patented optical lighting design, highly effective glare-free technology that complies with all regulations regarding photobiological safety. The durability and performance of Harper emergency luminaires is further enhanced by new $LiFePO_4$ long-life batteries which are smaller and more environment-friendly than standard nickel-cadmium or nickel-metal hydride batteries.

Enrolling

The LIXIL luminaires, predisposed for BUS communication, have an exclusive serial number which makes their identification by the control panel fast and trouble-free. Additionally, a layout of the system will be created automatically, this layout will allow instant recognition of any devices in fault status.

A fault-proof system

The BUS that starts from the control panel can close on itself to create a LOOP, in this way a fault on the data transmission line which interrupts the LOOP will be resolved thanks to the following automatic interventions:
The devices on either side of the fault open their electronic switches in order to isolate the fault and create two separate lines (the example shows devices 2 and 3).
The same devices communicate their intervention as soon as it is completed.
The control panel then converts the return point of the LOOP into an output and starts communications on two distinct lines.
The control panel signals and stores the line fault specifying the exact break point thanks to the installation layout. While having a form of centralized control, the installed devices remain autonomous, and any cable or control panel faults do not affect automatic functioning in emergencies.



Control panel modularity - flexibility and system expandability

The HARPER MANAGER and HARPER MANAGER XL control panels can already manage two LOOPS separately, each supporting a maximum of 240 devices each LOOP. Additionally, both accept expansions which can gradually increase the number of LOOPS to a maximum of 8 LOOPS on the HARPER MANAGER (1920 devices) and 14 LOOPS son HARPER MANAGER XL (3360 devices). Even the Web Server can act as an expansion on the control panel. This modularity allows you to configure a control panel in accordance with the installation and user needs, thus streamlining costs whilst leaving the possibility for any future expansion.

System test

In compliance with CEI EN 50172 and UNI 11222, HARPER MANAGER and HARPER MANAGER XL utilize user-customizable calendars to carry out the following two tests:
Functionality Test This test checks the proper operating capacity of the emergency luminaires and consequently the activation of the light source. A negative result to this test indicates the device is not working. The identification of an emergency luminaire with a fault condition is facilitated by the switching on of a red LED located on the device.
Autonomy Test For this test it is necessary to simulate a mains blackout, the emergency luminaire will switch On, powered through the batteries, and remain On until the battery power runs out. At the end of the test you will obtain the real measure of autonomy which can be compared to the nominal autonomy. A negative result indicates that the battery must be replaced. The identification of an emergency light with a battery fault condition is facilitated by the switching on of a red LED located on the device.

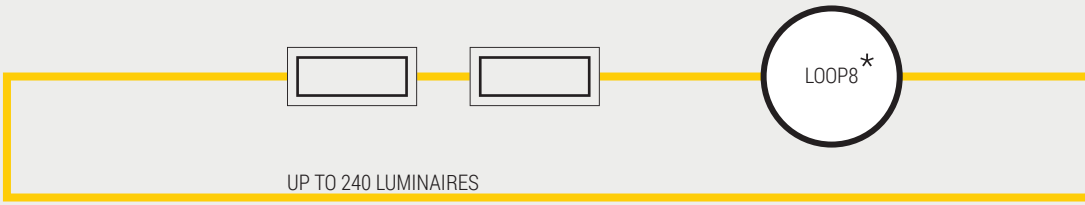
Events register

The control panel has a non-volatile memory which stores the chronology of all events. The register stores data regarding test results, emergency intervention, inhibition actions, programming events, BUS line faults (LOOP) and control panel faults. The events register can be viewed on the display and printed out on a optional built-in printer. You can access the events register and copy the contents to a PC for successive processing by simply connecting through a local or remote PC via the intranet/internet network.

Connections

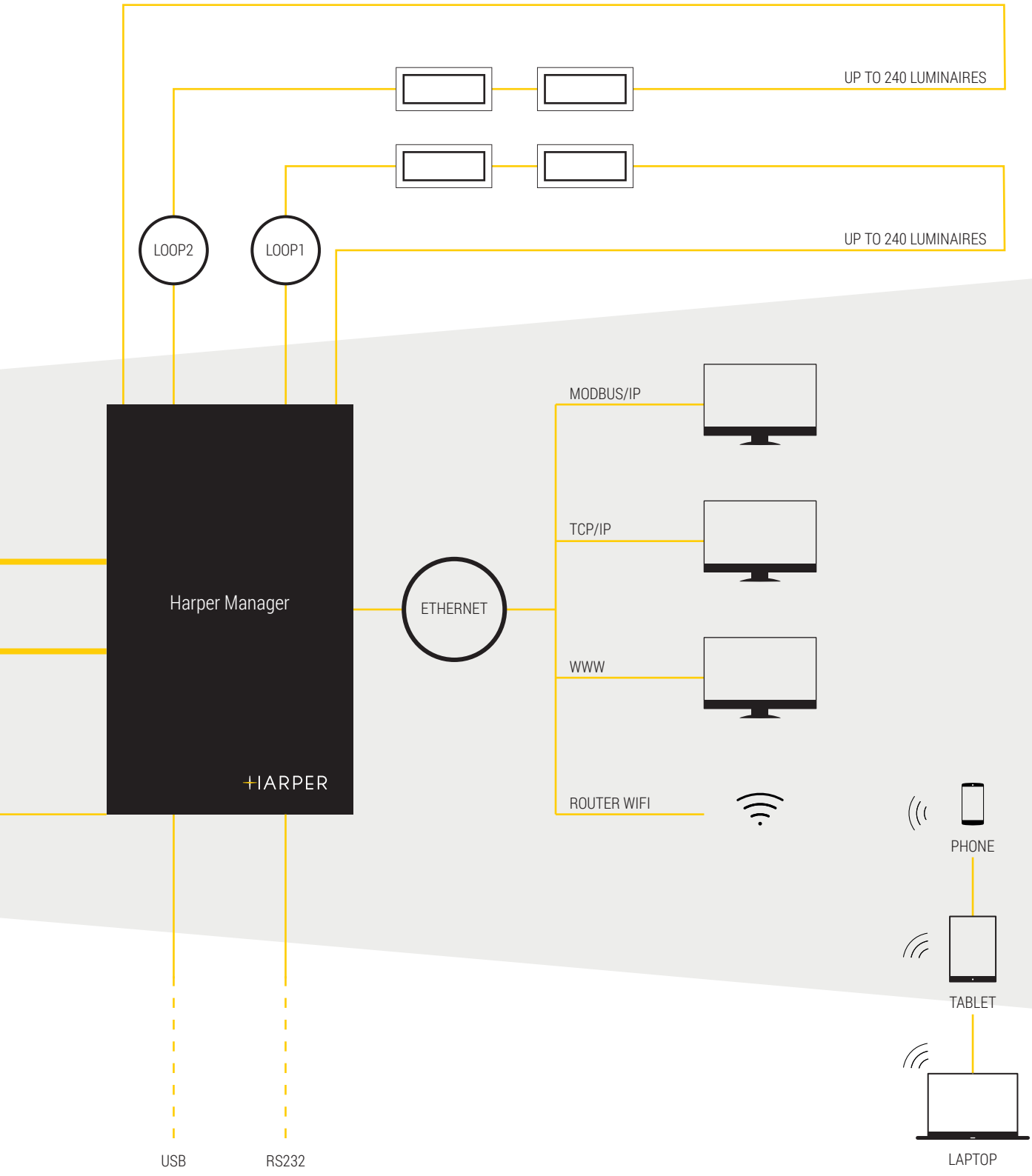
HARPER MANAGER and HARPER MANAGER XL control panels are capable of supporting an on-board Web Server. This will allow connection to a control panel via PC, Tablet or Smartphone via either a local network or the Internet without any need of specific software. The Web Server allows access to all the functions via any ordinary Internet browser. It is also possible to connect to the control panel directly by USB or the RS232 serial line located on the back of the display.

Harper Manager.
System diagram.



MODBUS/RTU

* Harper Manager **XL** can manage up to loop 14.

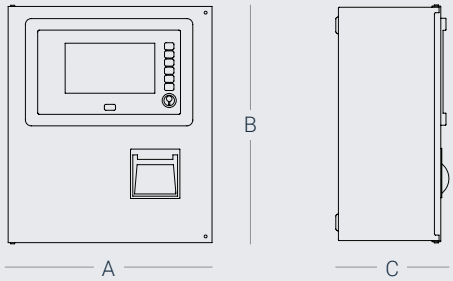

UP TO 240 LUMINAIRES
UP TO 240 LUMINAIRES
LOOP2
LOOP1
MODBUS/IP
TCP/IP
WWW
ROUTER WIFI
Harper Manager
ETHERNET
HARPER
PHONE
TABLET
LAPTOP
USB
RS232

Harper Manager

System supervisory control panel.
System with innovative functions for supervision and periodic maintenance, capable of managing emergency and signalling luminaires.

dimensions

A = mm 351
B = mm 406
C = mm 181



Order codes	Description	Printer	Duration in emergency	Battery	Max Luminaires Capability	IP Grade
HPMNG	Harper Manager with a 2-LOOP module included	Not Included	3 h	2 x Pb 12V 7Ah	1920	IP30

Harper Manager

description

Product range	HARPER Manager
Product type	Supervision control panel

technical specifications

Installation	Mounts to wall and 19" rack enclosures
Power supply	220/230Vac, 50-60Hz
Power consumption	20 VA
Battery	2 x Pb 12V 7Ah
Insulation class	I
Additional Info	Manages up to 8 loops and up 240 devices each loop
	Manages up to 80 logical groups
	7" touchscreen display with intuitive graphic interface
	Topological view of system
	Ethernet protocol TCP/IP with web server
	IP and RTU (485) Modbus
	Brightness adjustment of devices
	On and Off control of maintained emergency luminaires
	Complete time scheduling programmability for tests
	Non-volatile memory for registered events and performed tests
Max loop length	2000 m (with two-core twisted and shielded cable)
IP grade	IP30
Complies with standards	UNI 11222, EN 50172

dimensions (mm)

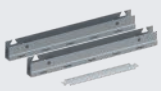
Width	351
Height	406
Depth	181

Accessories

OHMPRN
Printer module

OHMCABRK
Brackets for 19" rack fastening

OHMCABSP
Spacer brackets for cables on wall fastening



OHMCM2L
2-LOOP module

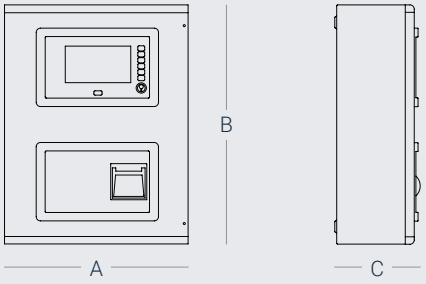
OHMCMLAN
Web Server module

Harper Manager XL

System supervisory control panel.
System with innovative functions for supervision and periodic maintenance, capable of managing emergency and signalling luminaires.

dimensions

A = mm 432
B = mm 563
C = mm 187



Order Codes	Description	Printer	Duration in emergency	Battery	Max Luminaires Capability	IP Grade
HPMNGXL	Harper Manager XL with a 2-LOOP module included	Not Included	3 h	2 x Pb 12V 17Ah	3360	IP30

Harper Manager XL

description

Product range	HARPER Manager
Product type	Supervision control panel

technical specifications

Installation	Mounts to wall and 19" rack enclosures
Power supply	220/230Vac, 50-60Hz
Power consumption	20 VA
Battery	2 x Pb 12V 17Ah
Insulation class	I
Additional Info	Manages up to 14 loops and up 240 devices each loop
	Manages up to 80 logical groups
	7" touchscreen display with intuitive graphic interface
	Topological view of system
	Ethernet protocol TCP/IP with web server
	IP and RTU (485) Modbus
	Brightness adjustment of devices
	On and Off control of maintained emergency luminaires
	Complete time scheduling programmability for tests
	Non-volatile memory for registered events and performed tests
Max loop length	2000 m (with two-core twisted and shielded cable)
IP grade	IP30
Compliant to standards	UNI 11222, EN 50172

dimensions (mm)

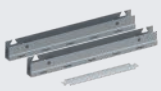
Width	432
Height	583
Depth	187

Accessories

OHMXLPRN
Printer module

OHMXLCABRK
Brackets for 19" rack fastening

OHMXLCABSP
Spacer brackets for cables on wall fastening



OHMCM2L
2-LOOP module

OHMCMLAN
Web Server module

Accessories and spare parts

Remote controller INICOM

In emergency lighting systems with autonomous lighting devices, the inhibitory circuit is the ancillary circuit that performs the controlled shut off of lighting devices during emergency functioning. In large, complex systems inhibition of emergency lighting devices is a particularly difficult problem to solve in accordance with regulations. In fact, when considering devices in which shut off occurs when lines open or close, a solution is possible only when in the vicinity of the lighting device itself. This is to prevent accidental causes (e.g. drilling, masonry work, etc.) or disastrous events (e.g. earthquakes, fire, etc.) from interrupting or short-circuiting the inhibitory wiring and provoking absence of intervention during an emergency.
Use of a remote control device is a solution to the problem in that:

1- it launches a pulse that is stored in the device, after which the line no longer has any influence over shut off/inhibition;

2- when the lighting network restores, the “ready for emergency” status will reset automatically in the device and the shut off/inhibition command will be forgotten, thus avoiding the risk of forgetfulness on behalf of the operator, which is quite possible when a manual switch is used for shut off/inhibition operations.

description

Product type	Controller for the remote management of rest mode

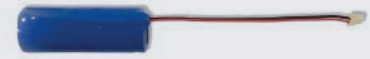
technical specifications

Installation	DIN rail (4 modules)
Power supply	220/230Vac, 50-60Hz
Battery	$LiFePO_4$ 3,2V
Outputs	2
Total number of controlled luminaires	150
Insulation class	II
Working temperature	from 0° to 50°C
Compliant to standards	EN 60598-2-22

Battery
BTLF032152W186500

Lithium Battery
$LiFePO_4$ 3,2V 1,5AH SIZE 18650.

Battery
BTLF032332W266500



Lithium Battery
$LiFePO_4$ 3,2V 3,3AH SIZE 26650.

Pictograms
OH100PTDW

Pictogram for HP100
indicating down.

OH100PTDX

Pictogram for HP100
indicating right.

OH100PTSX

Pictogram for HP100
indicating left.

Pictograms
OH200PTDW

Pictogram for HP200
indicating down.

OH200PTDX

Pictogram for HP200
indicating right.

OH200PTSX

Pictogram for HP200
indicating left.

Accessories and spare parts

Panel
OH320PNDW

Pmma panel with pictograms indicating down for HP320.

Panel
OH320PNRL

Pmma panel with pictograms indicating left/right for HP320.

Panel
OH330PNDW

Pmma panel with pictograms indicating down for HP330.

Panel
OH330PNRL

Pmma panel with pictograms indicating left/right for HP330.

Notes

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