

HARPER

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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 light flow (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 (LiFePO₄) 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 LiFePO4 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 light flow, 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 mistakenly 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.

code guide

HP100 S A 18 01 40

product name

HP100 Harper 100
HP200 Harper 200
HP320 Harper 320
HP330 Harper 330
HP40A Harper 40A
HP40C Harper 40C
HP50 Harper 50

version

S Standard
A Self-Test
B Bus Supervised
L Central-battery

maintained non-maintained

E Non-Maintained
A Maintained

power

08 W
11 W
18 W
24 W
36 W

duration

01 hour
02 hours
03 hours
04 hours
05 hours
06 hours
07 hours

ip grade

40 IP40
42 IP42
65 IP65

Lighting

HP100

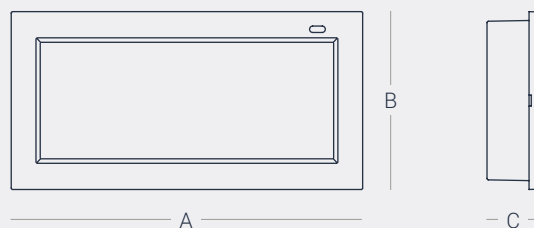
Emergency Luminaires.

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



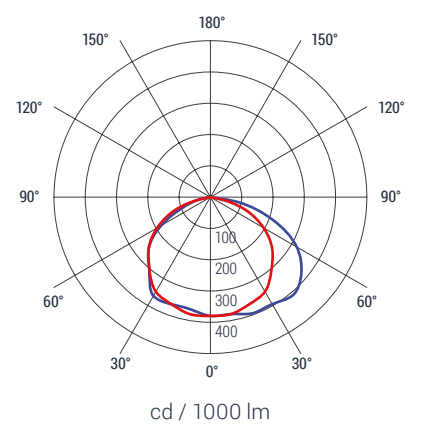
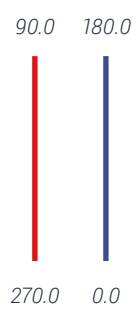
dimensions

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

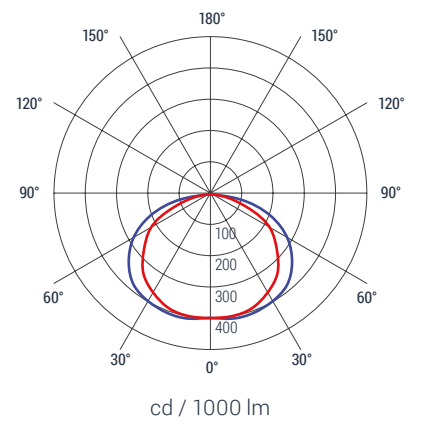
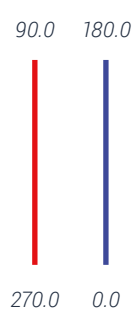




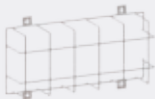
photometric
diagram
8W and 11W



photometric
diagram
18W and 24 W



Lighting

description	Product range	HARPER 100
	Product type	Emergency lamp
	Versions	Standard, Self-Test, Bus-Supervised, Central-battery
	Functioning type	Maintained, Non-Maintained
technical specifications	Installation	Wall, ceiling, flush mounting/false ceiling
	Power supply	220/230Vac, 50-60Hz
	Battery	LiFePO4 3,2V
	Insulation class	II
	Color	RAL9003 white
	Light source	LED
	Color 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
accessories	OH100PLT Plate for flush mounting	
	OH100FRM Optional frame for wall mounting	
	OH100BRI Eall box for flush mounting	
	OH100PTK Pictograms kit *	
	OH100FCK Plasterboard and false ceiling fastening kit	
	OH100GRT Metal protective grating for complete protection of the luminaire body	
	OHX00BR45 Bracket for installation with a 45° inclination	
	INICOM Controller for the remote management of rest mode	

* See the "Accessories and spare parts" section.

order codes

standard

P/N	Power*	Duration	Battery LiFePO4 3,2V [Ah]	Maintained Non- Maintained	MED. FL. (lm) N/M	MED. FL. (lm) M	IP Grade	Recharge
HP100 S E 08 03 40	08W	3 h	1,5	N/M	130	-	IP40	12h
HP100 S E 18 01 40	18W	1 h	1,5	N/M	255	-	IP40	12h
HP100 S E 08 07 40	08W	7 h	3,3	N/M	130	-	IP40	24h
HP100 S E 18 03 40	18W	3 h	3,3	N/M	255	-	IP40	24h
HP100 S E 08 03 65	08W	3 h	1,5	N/M	130	-	IP65	12h
HP100 S E 18 01 65	18W	1 h	1,5	N/M	255	-	IP65	12h
HP100 S E 08 07 65	08W	7 h	3,3	N/M	130	-	IP65	24h
HP100 S E 18 03 65	18W	3 h	3,3	N/M	255	-	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	255-185	-	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	185	-	IP40	12h
HP100 A A 11 01 40	11W-08W	1h-1,5h	1,5	M	130-95	70	IP40	6h
HP100 A A 24 01 40	24W-18W	1h-1,5h	1,5	M	255-185	140	IP40	6h
HP100 A A 11 03 40	11W-08W	3h-4h	3,3	M	130-95	70	IP40	12h
HP100 A A 24 03 40	24W	3h	3,3	M	185	140	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	255-185	-	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	185	-	IP65	12h
HP100 A A 11 01 65	11W-08W	1h-1,5h	1,5	M	130-95	70	IP65	6h
HP100 A A 24 01 65	24W-18W	1h-1,5h	1,5	M	255-185	140	IP65	6h
HP100 A A 11 03 65	11W-08W	3h-4h	3,3	M	130-95	70	IP65	12h
HP100 A A 24 03 65	24W	3h	3,3	M	185	140	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	255-185	-	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	185	-	IP40	12h
HP100 B A 11 01 40	11W-08W	1h-1,5h	1,5	M	130-95	70	IP40	6h
HP100 B A 24 01 40	24W-18W	1h-1,5h	1,5	M	255-185	140	IP40	6h
HP100 B A 11 03 40	11W-08W	3h-4h	3,3	M	130-95	70	IP40	12h
HP100 B A 24 03 40	24W	3h	3,3	M	185	140	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	255-185	-	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	185	-	IP65	12h
HP100 B A 11 01 65	11W-08W	1h-1,5h	1,5	M	130-95	70	IP65	6h
HP100 B A 24 01 65	24W-18W	1h-1,5h	1,5	M	255-185	140	IP65	6h
HP100 B A 11 03 65	11W-08W	3h-4h	3,3	M	130-95	70	IP65	12h
HP100 B A 24 03 65	24W	3h	3,3	M	185	140	IP65	12h

central-battery

HP100 L A 11 00 40	11W	-	-	-	-	130	IP40	-
HP100 L A 24 00 40	24W	-	-	-	-	255	IP40	-
HP100 L A 11 00 65	11W	-	-	-	-	130	IP65	-
HP100 L A 24 00 65	24W	-	-	-	-	255	IP65	-

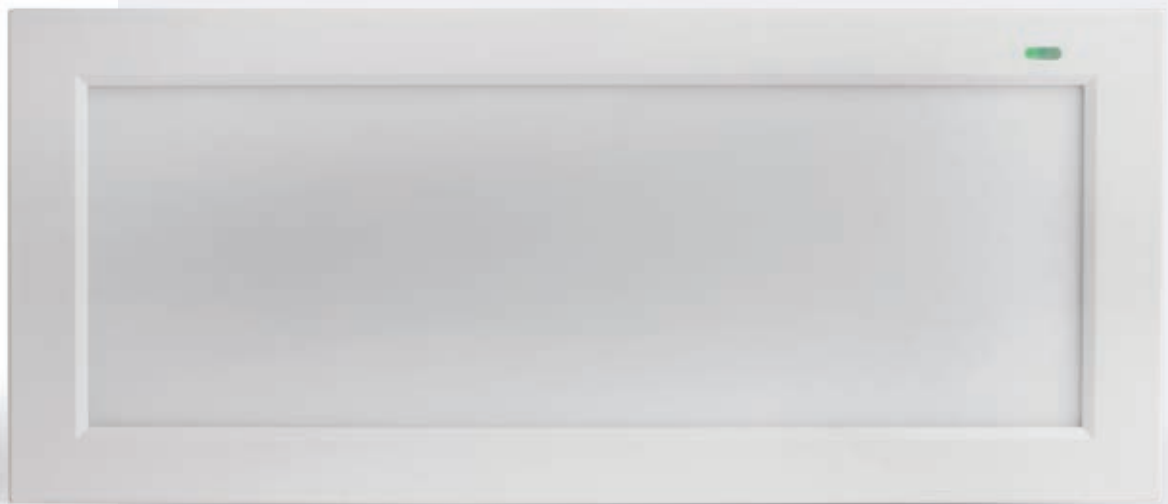
* It is possible to choose between two power values (where indicated) during the installation phase.

Lighting

HP200

Emergency Luminaires.

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

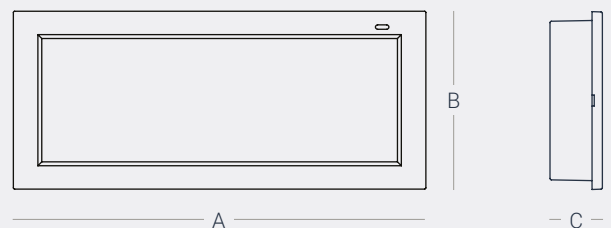


dimensions

A = mm 319

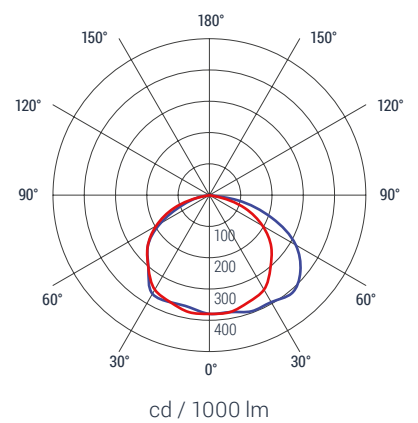
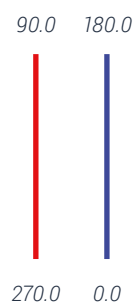
B = mm 137

C = mm 38

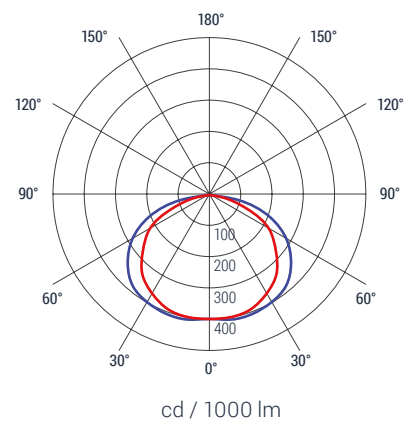
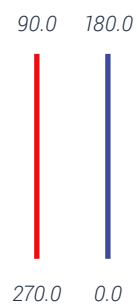




photometric
diagram
11W and 18W



photometric
diagram
24W and 36W



HP200

description

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

technical specifications

Installation	Wall, ceiling, flush mounting/false ceiling
Power supply	220/230Vac, 50-60Hz
Battery	LiFePO4 3,2V
Insulation class	II
Color	RAL9003 white
Light source	LED
Color 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

accessories

OH200PLT
Plate for flush mounting



OH200FRM
Optional frame for wall mounting



OH200BRI
Wall box for flush mounting



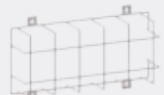
OH200PTK
Pictograms kit *



OH200FCK
Plasterboard and false ceiling fastening kit



OH200GRT
Metal protective grating for complete protection of the luminaire body



OHX00BR45
Bracket for installation with a 45° inclination



INICOM
Controller for the remote management of rest mode



* See the "Accessories and spare parts" section.

order codes

standard

P/N	Power*	Duration	Battery LiFePO4 3,2V [Ah]	Maintained Non- Maintained	MED. FL. (lm) N/M	MED. FL. (lm) M	IP Grade	Recharge
HP200 S E 11 02 42	11W	2 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	5 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	2 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	5 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	M	180-135	90	IP42	6h
HP200 A A 36 01 42	36W-24W	1h-1,5h	3,3	M	360-270	180	IP42	12h
HP200 A A 18 03 42	18W-11W	3h-4h	3,3	M	180-135	90	IP42	12h
HP200 A A 36 03 42	36W-24W	3h-4h	2 x 3,3	M	360-270	180	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	3 h	3,3	N/M	180-135	-	IP65	12h
HP200 A E 36 03 65	36W-24W	3 h	2 x 3,3	N/M	360-270	-	IP65	24h
HP200 A A 18 01 65	18W-11W	1h-1,5h	1,5	M	180-135	90	IP65	6h
HP200 A A 36 01 65	36W-24W	1h-1,5h	3,3	M	360-270	180	IP65	12h
HP200 A A 18 03 65	18W-11W	3h-4h	3,3	M	180-135	90	IP65	12h
HP200 A A 36 03 65	36W-24W	3h-4h	2 X 3,3	M	360-270	180	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	M	180-135	90	IP42	6h
HP200 B A 36 01 42	36W-24W	1h-1,5h	3,3	M	360-270	180	IP42	12h
HP200 B A 18 03 42	18W-11W	3h-4h	3,3	M	180-135	90	IP42	12h
HP200 B A 36 03 42	36W-24W	3h-4h	2 x 3,3	M	360-270	180	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	M	180-135	90	IP65	6h
HP200 B A 36 01 65	36W-24W	1h-1,5h	3,3	M	360-270	180	IP65	12h
HP200 B A 18 03 65	18W-11W	3h-4h	3,3	M	180-135	90	IP65	12h
HP200 B A 36 03 65	36W-24W	3h-4h	2 X 3,3	M	360-270	180	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.

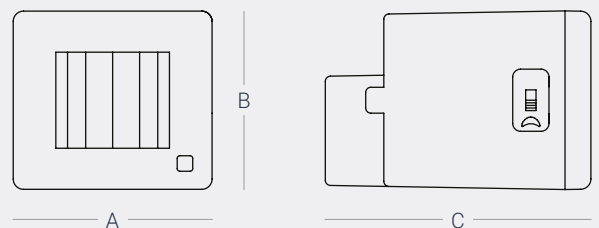


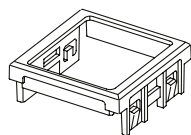
dimensions

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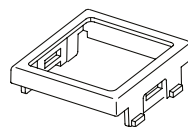
B = mm 34,5

C = mm 51,5

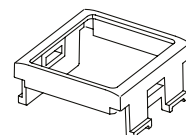




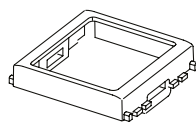
BTicino axolute, axolute air



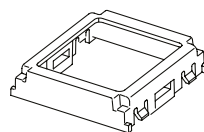
BTicino magic, matix



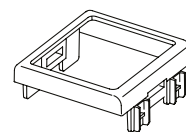
BTicino living light, living light air, living international, light



Vimar plana, eikon, eikon evo, arke'



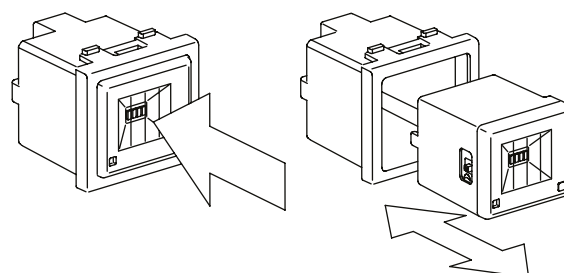
Vimar idea



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
Functioning 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 3,7V
Insulation class	II
Color	RAL9003 white
Light source	LED
Color 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

order codes	P/N	N°Led	Duration	Battery Li-Ion 3,7V [Ah]	Maintained Non- Maintained	MED. FL. (lm) N/M	MED. FL. (lm) M	IP Grade	Recharge
	HP50 S A 00 03 40	4	3-6 h	0,65	M	42	5	IP40	12-24h

Lighting

HP40

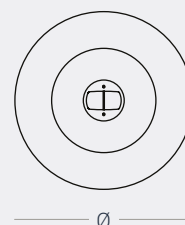
Emergency downlights.

Ultrathin emergency downlight for ceiling. Equipped with specially designed optic lenses for exit routes and open (anti-panic) areas, complies with EN1838 standards.



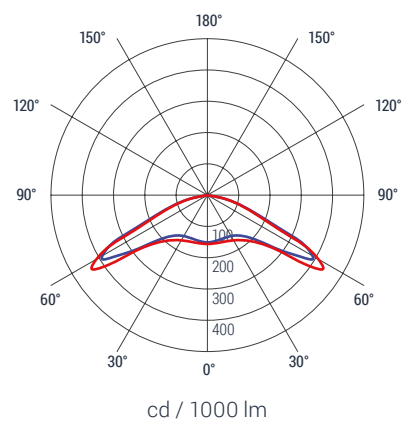
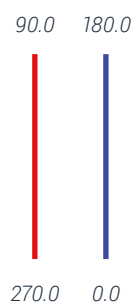
dimensions

Ø = mm 100

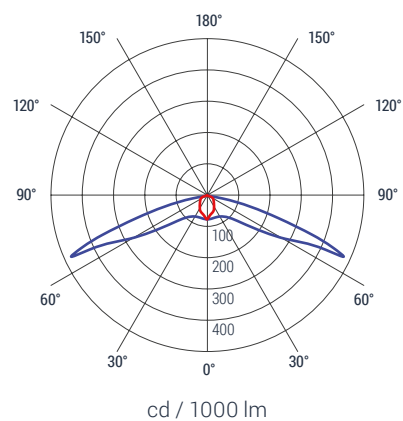
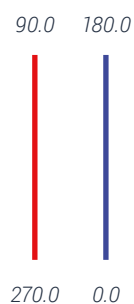




HP 40A
(for antipanic area)



HP 40C
(for escape route)



HP40

description

Product range	HARPER 40
Product type	Emergency lamp
Versions	Self-Test, Bus-Supervised, Central-Battery
Functioning type	Non-Maintained

technical specifications

Installation	Recessed false ceiling
Power supply	220/230Vac, 50-60Hz
Battery	LiFePO4 3,2V
Insulation class	II
Color	RAL9003 white
Light source	LED
Color temperature	6000K
Additional info	Dedicated terminal for inhibition function Dedicated terminal for rest mode
IP grade	IP40
IK grade	IK07
Operating temperature	From 0° to 50°C
Compliant to standards	EN 60598-1, EN 60598-2-22 EN 1838

dimensions (mm)

Diameter	100
----------	-----

accessories

OH40BCI
Box for ceiling installation



INICOM
Controller for the remote
management of rest mode



open antipanic area
typical installation
height: 3 m



Covered area: 11,5x11,5m

Lux on the floor without reflections: 0,5lx on the total area

order codes

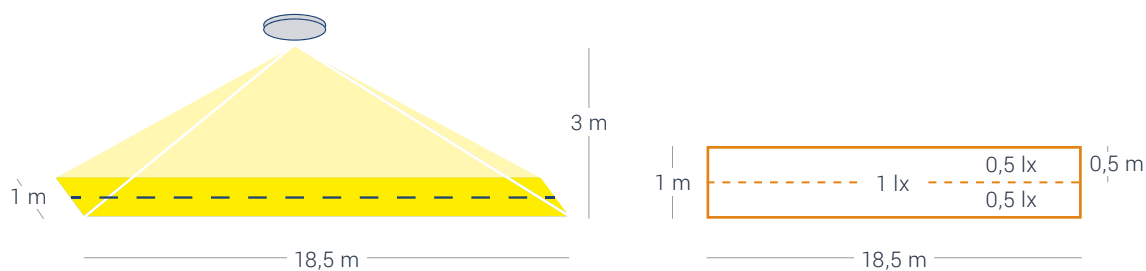
P/N	N°Led	Duration	Battery LiFePO4 3,2V [Ah]	Maintained Non- Maintained	MED. FL. (lm) N/M	MED. FL. (lm) M	IP Grade	Recharge
HP40A A E 00 01 40	1 X 4W	1 h	1,5	N/M	260	-	IP40	6h
HP40A A E 00 03 40	1 x 4W	3 h	3,3	N/M	260	-	IP40	12h
HP40A B E 00 01 40	1 x 4W	1 h	1,5	N/M	260	-	IP40	6h
HP40A B E 00 03 40	1 x 4W	3 h	3,3	N/M	260	-	IP40	12h
HP40A L A 00 00 40	1 x 4W	-	-	-	-	260	IP40	-

self-test

bus supervised

central-battery

escape route
typical installation
height: 3 m



Covered area: 18,5x1m

Lux on the floor without reflections: 1lx on the midline; 0,5lx on the side band

order codes

P/N	N°Led	Duration	Battery LiFePO4 3,2V [Ah]	Maintained Non- Maintained	MED. FL. (lm) N/M	MED. FL. (lm) M	IP Grade	Recharge
HP40C A E 00 01 40	1 X 4W	1 h	1,5	N/M	260	-	IP40	6h
HP40C A E 00 03 40	1 x 4W	3 h	3,3	N/M	260	-	IP40	12h
HP40C B E 00 01 40	1 x 4W	1 h	1,5	N/M	260	-	IP40	6h
HP40C B E 00 03 40	1 x 4W	3 h	3,3	N/M	260	-	IP40	12h
HP40C L A 00 00 40	1 x 4W	-	-	-	-	260	IP40	-

self-test

bus supervised

central-battery

Signalling

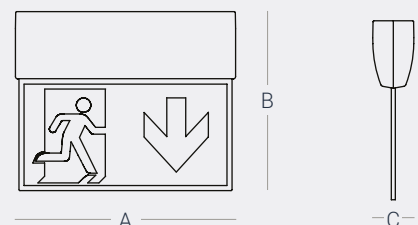
HP320

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
Functioning type	Maintained

technical specifications

Installation	Surface, flag, ceiling, false ceiling, suspended mounting
Power supply	220/230Vac, 50-60Hz
Battery	LiFePO4 3,2V
Visibility distance	20 m
Insulation class	II
Color	RAL9003 white
Light source	-
Color 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

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.

order codes	P/N	Duration	Battery LiFePO4 3,2V [Ah]	Maintained Non-Maintained	IP Grade	Recharge
self-test	HP320 A A 00 03 40	3 h	1,5	M	IP40	6h
bus supervised	HP320 B A 00 03 40	3 h	1,5	M	IP40	6h
central-battery	HP320 L A 00 00 40	-	-	-	IP40	-

Signalling

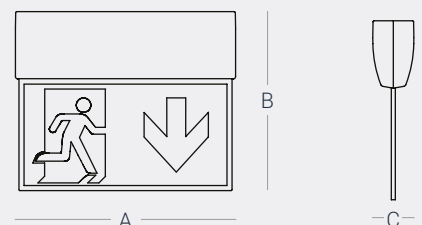
HP330

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
Functioning type	Maintained

technical specifications

Installation	Surface, flag, ceiling, false ceiling, suspended mounting
Power supply	220/230Vac, 50-60Hz
Battery	LiFePO4 3,2V
Visibility distance	30 m
Insulation class	II
Color	RAL9003 white
Light source	Led
Color 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

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.

order code	P/N	Duration	Battery LiFePO4 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 LiFePO4 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.

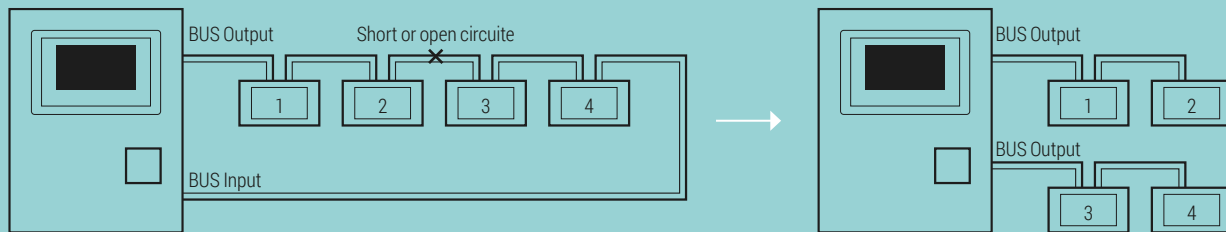
A fault-proof system

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 MANAGERXL 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 on 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.

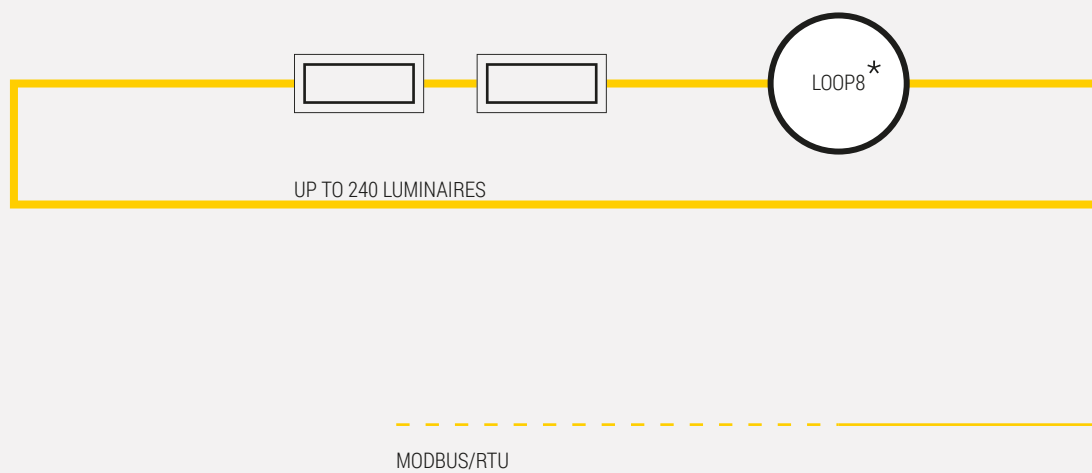
Events register

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 an 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.

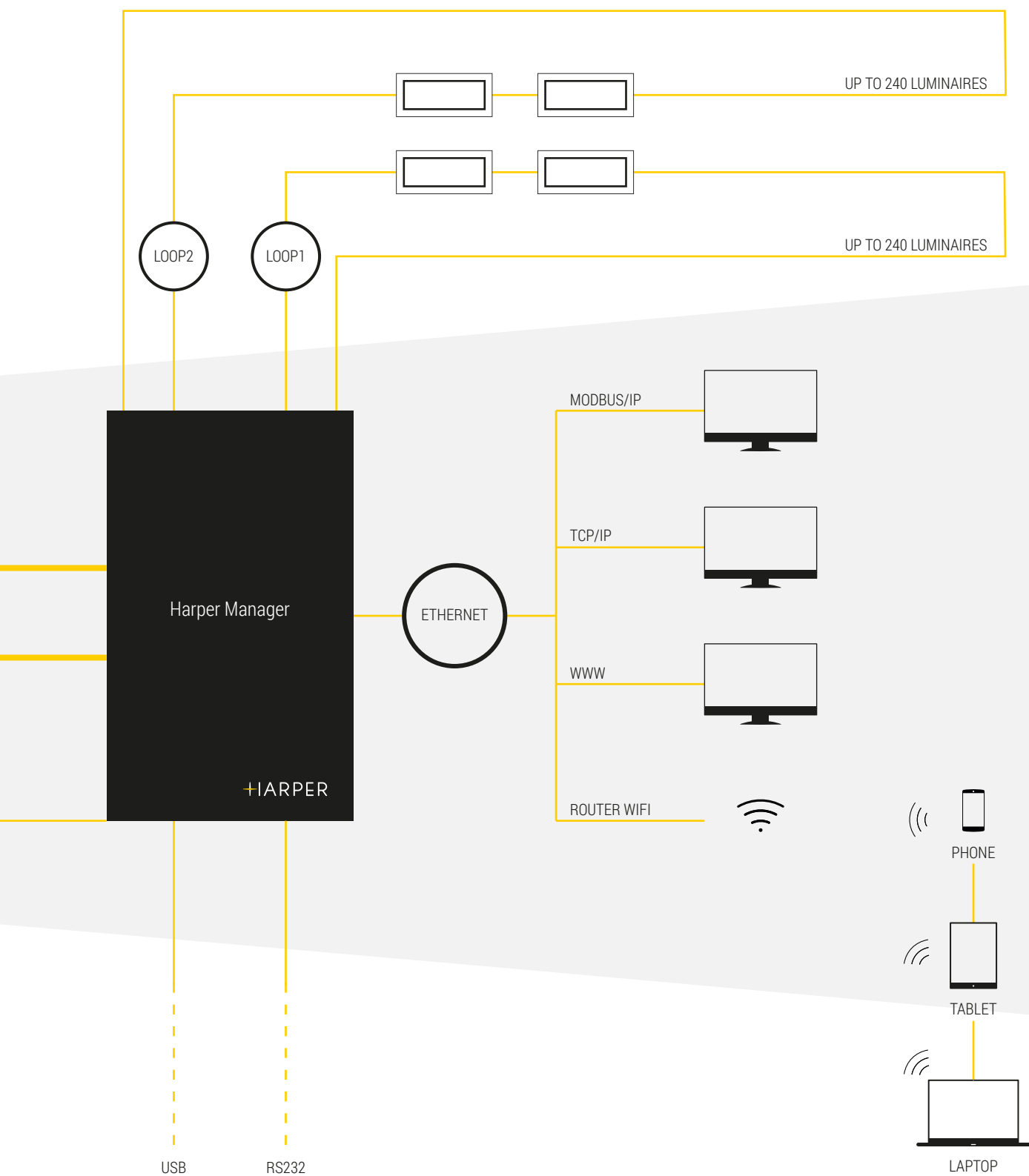
Connections

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.



* Harper Manager XL can manage up to loop 14.



Management

Harper Manager

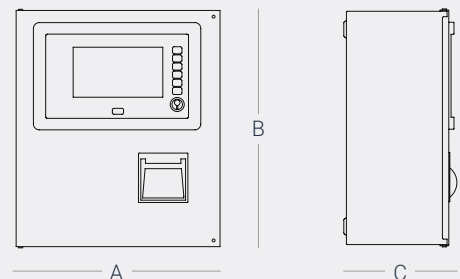
System supervisory control panel.

System with innovative functions for supervision and periodic maintenance, capable of managing emergency and signalling luminaires. Can host up to 4 loop modules and can manage up to 1920 luminaires.



dimensions

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





order codes

P/N	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
Compliant to standards	UNI 11222, EN 50172

dimensions (mm)

Width	351
Height	406
Depth	181

accessories

OHMPRN
Printer module



OHMCM2L
2-LOOP module



OHMCABRK
Brackets for 19" rack
fastening



OHMCMLAN
Web Server module



OHMCABSP
Spacer brackets for
cables on wall fastening



Management

Harper Manager XL

System supervisory control panel.

System with innovative functions for supervision and periodic maintenance, capable of managing emergency and signalling luminaires. Can host up to 7 loop modules and can manage up to 3360 luminaires.

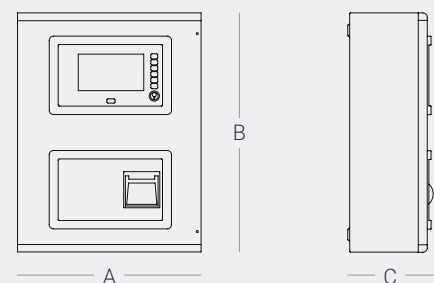


dimensions

A = mm 432

B = mm 563

C = mm 187





order codes

P/N	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 XL
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	563
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.
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technical specifications

Installation	DIN rail (4 modules)
Power supply	220/230Vac, 50-60Hz
Battery	LiFePO4 3,2V
Outputs	2
Max number of controlled luminaires	120 each output
Insulation class	II
Working temperature	from 0° to 50°C
Compliant to standards	EN 60598-2-22

Battery
BTLI036651W163600



Lithium Battery
Li-Ion 3,7V 0,65AH SIZE 16340.

Battery
BTLF032152W186500



Lithium Battery
LiFePO4 3,2V 1,5AH SIZE 18650.

Battery
BTLF032332W266500



Lithium Battery
LiFePO4 3,2V 3,3AH SIZE 26650.

Pictograms
OH100PTK



Pictograms kit for HP100.

Pictograms
OH200PTK



Pictograms kit for HP200.

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

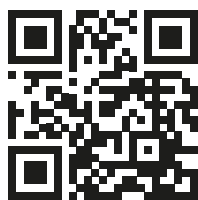


Pmma panel with pictograms indicating down for HP330.

Panel
OH330PNRL



Pmma panel with pictograms indicating left/right for HP330.



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