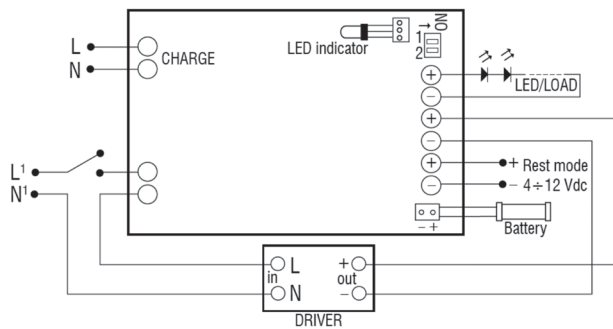


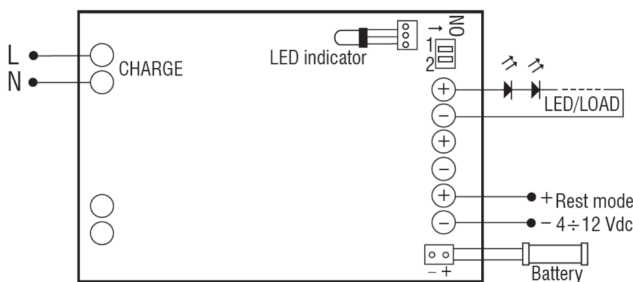
LED LIGHTING COURTESY FOR EMERGENCY CASES

INSTALLATION OF EMERGENCY KIT ASSOCIATED TO LED LUMINARIES AND LED STRIPS (REF NO: 2DCLEDK1 Y 2DCLEDK2)

PERMANENT USE (the luminary operates normally with its driver and also under specific conditions when there is a general mains failure)



NON-PERMANENT USE (the luminary is installed without a driver and only works under specific conditions when there is a general mains failure)



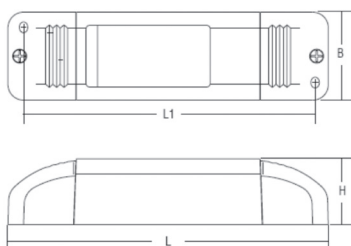
In the frequently asked questions section, you can find information on technical and installation conditions.

IMPORTANT: The LED luminaire the emergency kit will be used for must be clearly indicated because when the LED luminaire has been supplied by JISO ILUMINACIÓN, S.L., additional connector cables may be provided in order to avoid handling of the driver output and the luminary input.

WARNING: The LED luminaire set + emergency kit do not make up official emergency units according to regulations. They simply provide you with a back-up luminaire of between 3W and 7W when they become activated during failures of the general power supply.

Physical conditions

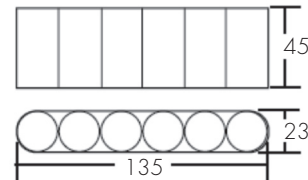
The units used as an emergency kit (2DCLEDK1 and 2DCLEDK2), as well as the batteries which may be used, have the following dimensions:



(mm)			
L	L1	B	H
166	150	47	35

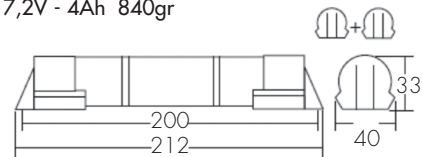
Dimensions of 2DCLEDK1 and 2DCLEDK2

7,2V - 1,6Ah 300gr



Battery 2DCLEDK1 (mm)

7,2V - 4Ah 840gr



Battery 2DCLEDK2 (mm)

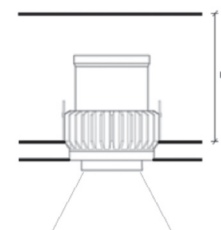
WARNING: Due to the aforementioned, it may be the case that, even if the luminaire and the emergency kit are compatible, the unit and/or batteries won't fit the cut-out hole made for the LED luminaire, and therefore will not be able to be installed together.

To avoid problems during installation, we urge you to pay attention to the following table of height restrictions of false ceilings in relation to the diameter of the hole. As well as the height restriction, you must allow for lateral access because if the false ceiling has obstacles, it may not be possible to insert the emergency kit.

(See following page)

HOLE DIAMETER (mm)	H ≥ 6cm	H ≥ 8cm	H ≥ 10cm	H ≥ 12cm	H ≥ 16cm
	2DCLEDK1 2DCLEDK2	2DCLEDK1 2DCLEDK2	2DCLEDK1 2DCLEDK2	2DCLEDK1 2DCLEDK2	2DCLEDK1 2DCLEDK2
Ø30 mm (6 #)	NO	NO	NO	NO	NO
Ø73 mm (6 #)	NO	NO	NO	NO	YES
Ø75 mm (6 #)	NO	NO	NO	NO	YES
Ø80 mm (6 #)	NO	NO	NO	NO	YES
Ø90 mm (6 #)	NO	NO	NO	YES	YES
Ø105 mm (6 #)	NO	NO	NO	YES	YES
Ø110 mm (6 #)	NO	NO	YES	YES	YES
Ø125 mm (6 #)	NO	NO	YES	YES	YES
Ø145 mm (6 #)	NO	YES	YES	YES	YES
>Ø165 mm (6 #)	YES	YES	YES	YES	YES

NOTE: Guideline values. If the hole diameter of your LED luminaire is not shown in the table, please check the next lower figure (e.g. for Ø117mm refer to Ø110 mm).



LED Luminaire ceiling installation

Recommendations for Use

The LED luminaire + emergency kit set is not an emergency luminaire according to regulations. It simply allows for courtesy lighting, between 3W and 7W, in situations in which a failure in the general power supply activates the set. It is therefore not recommended for emergency use, according to regulations.

Frequently asked questions (FAQ)

Are any of the JISO ILUMINACIÓN, SL. luminaries compatible with emergency lighting in accordance with regulations?

NO.

JISO ILUMINACIÓN, SL. luminaries are not, in any case, emergency luminaires in accordance with the applicable regulations. However, there is the possibility of connecting the luminaries to an Emergency KIT which allows a reduced illumination to be maintained during a fixed time in case of a general mains failure.

These Emergency Kits consist of a control device, which manages the power supply of the luminaire, and one or more NiCd batteries, which accumulate energy to be released in the event of a general mains failure.

These Emergency Kits, depending on the model, can keep supplying power to the luminaries with a power level between 3 and 7W for 1 hour or 3 hours, depending on the battery. In addition, it can be installed in the following two modes:

1. Permanent use (the luminaire functions as per usual with its driver and it also functions, under certain conditions, when there is a general mains failure)

(see image on next page)

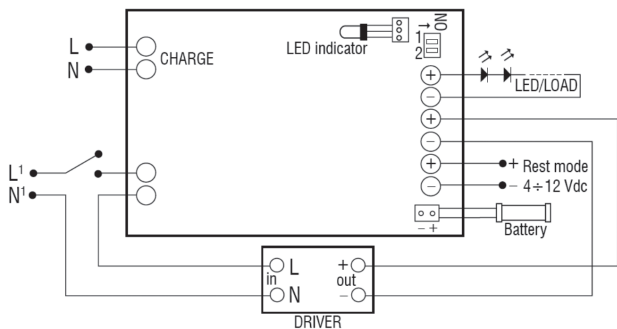


Image 17. Connection diagram Emergency Kit for permanent use

2.2. Non-permanent use (the luminaire is installed without a driver and only works, under certain conditions, when there is a general mains failure)

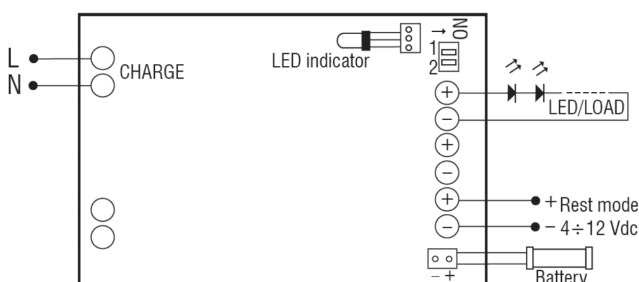


Image 18. Connection diagram Emergency Kit for non-permanent use

I want to add an Emergency Kit to my LED luminaire. Are there any limitations with regard to doing this?

Yes.

The LED luminaire used cannot have a direct current (DC) voltage that is higher or lower than that indicated in the technical data sheets of the Emergency Kit (request a technical data sheet or look up www.jisoiluminacion.com).

If the voltage does not match that indicated, the LED luminaire may not turn on when the mains supply fails and the battery should come into operation.

Models of Emergency Kit also exist which have a maximum voltage selector per option selected (Ref. 2DCLEDK1 and 2DCLEDK2). In these cases, depending on the LED luminaire, the selector should be set to the correct position.

	A	B	C	D
	12 V	24 V	48 V	60 V
1	ON	ON	-	-
2	ON	-	ON	-

Image 19. Example of selector settings in Ref. 2DCLEDK1 and 2DCLEDK2

Is it possible to add an Emergency Kit connected to LED strips?

It depends.

YES, this is possible in Ref. 2DCLEDK1 and 2DCLEDK2, but it is conditional on a maximum potential of LED strip installed depending on the voltage of same.

- 12V → 24W
- 24V → 30W

In the case of Ref. 2DCLEDK5, 2DCLEDK6, 2DCLEDK7 and 2DCLEDK8, the limitation of the device is conditional on the operating current, and cannot exceed 2.5A.

Is it possible to add a Courtesy Kit (emergency) connected to waterproof displays with reference number 00420, 00440 or 00450?

NO.

This type of product is not designed to be connected with a Courtesy Kit (emergency) because, due to its design and manner of placement, there is no space available for its coupling.

Is it possible to add a Courtesy Kit (emergency) to installations that operate using an AC supply other than 230V, for example 110V or 277V?

NO.

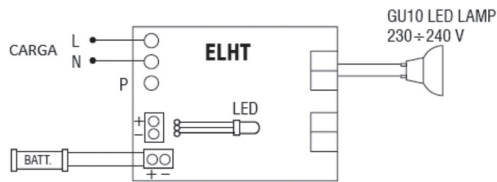
The Courtesy Kits (emergency) that JISO ILUMINACIÓN connects with its luminaires only work with AC power supply between 220-240V.

Is it possible to add a Courtesy Kit (emergency) connected with light bulbs with GU10 base?

YES.

JISO ILUMINACIÓN has two products - Ref.: 1EH-3 (1h) and 1EH-4 (3h) - that allow you to connect GU10 bulbs to 230V from 3 to 8.5W.

Uso NO permanente (sólo emergencia)



Uso permanente (iluminación ordinaria)

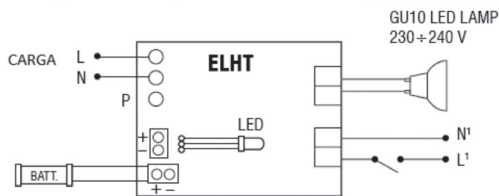


Image 20. Installation examples. 1EH-3 and 1EH-4

MODEL	INTENSIDAD (mA)	MODEL	INTENSIDAD (mA)	MODEL	INTENSIDAD (mA)	MODEL	INTENSIDAD (mA)
10225	NO COMPATIBLE	29120	NO COMPATIBLE	51010	2-ON/1-OFF	54940	2-ON/1-OFF
10233	NO COMPATIBLE	31140	2-ON/1-OFF	51015	1-2-OFF	55011	2-ON/1-OFF
20408	NO COMPATIBLE	31272	2-ON/1-OFF	51022	NO COMPATIBLE	55055	2-ON/1-OFF
20415	NO COMPATIBLE	31640	2-ON/1-OFF	51033	2-ON/1-OFF	55108	1-ON/2-OFF
20422	NO COMPATIBLE	50110	2-ON/1-OFF	51110	2-ON/1-OFF	55115	2-ON/1-OFF
20424	NO COMPATIBLE	50118	1-ON/2-OFF	51115	1-2-OFF	55122	2-ON/1-OFF
20508	NO COMPATIBLE	50126	2-ON/1-OFF	51122	NO COMPATIBLE	56306	1-ON/2-OFF
20515	NO COMPATIBLE	50212	2-ON/1-OFF	51133	2-ON/1-OFF	56312	2-ON/1-OFF
20522	NO COMPATIBLE	50220	1-2-OFF	51533	2-ON/1-OFF	56324	NO COMPATIBLE
20524	NO COMPATIBLE	50308	1-ON/2-OFF	51618	1-2-OFF	56406	1-ON/2-OFF
20408	NO COMPATIBLE	50315	2-ON/1-OFF	51708	1-ON/2-OFF	56412	2-ON/1-OFF
20415	NO COMPATIBLE	50322	1-2-OFF	51715	2-ON/1-OFF	56424	NO COMPATIBLE
20422	NO COMPATIBLE	50330	NO COMPATIBLE	51722	2-ON/1-OFF	59314	2-ON/1-OFF
20424	NO COMPATIBLE	50355	2-ON/1-OFF	51908	1-ON/2-OFF	59325	2-ON/1-OFF
21618	NO COMPATIBLE	50408	1-ON/2-OFF	51915	2-ON/1-OFF	59414	2-ON/1-OFF
24906	NO COMPATIBLE	50415	2-ON/1-OFF	51922	1-2-OFF	59425	2-ON/1-OFF
24918	NO COMPATIBLE	50422	2-ON/1-OFF	53535	2-ON/1-OFF	59528	2-ON/1-OFF
24924	NO COMPATIBLE	50519	1-2-OFF	53550	2-ON/1-OFF	59628	2-ON/1-OFF
26308	NO COMPATIBLE	50608	1-ON/2-OFF	54207	1-ON/2-OFF	59650	2-ON/1-OFF
26314	NO COMPATIBLE	50615	2-ON/1-OFF	54410	2-ON/1-OFF	69314	2-ON/1-OFF
26324	NO COMPATIBLE	50625	2-ON/1-OFF	54415	2-ON/1-OFF	69325	2-ON/1-OFF
26330	NO COMPATIBLE	50708	1-ON/2-OFF	54425	NO COMPATIBLE	69414	2-ON/1-OFF
26408	NO COMPATIBLE	50715	2-ON/1-OFF	54435	2-ON/1-OFF	69425	2-ON/1-OFF
26414	NO COMPATIBLE	50725	2-ON/1-OFF	54906	1-ON/2-OFF	69628	2-ON/1-OFF
26424	NO COMPATIBLE	50915	2-ON/1-OFF	54918	1-2-OFF	69650	2-ON/1-OFF
26430	NO COMPATIBLE	50925	NO COMPATIBLE	54924	NO COMPATIBLE		
29110	NO COMPATIBLE	50930	2-ON/1-OFF	54930	2-ON/1-OFF		