HARMONY
Energy Lighting Solutions

EMERGENCY LIGHTING KIT

YFB-12

Product code: 20 01 AC KT 001



Professional emergency lighting solution for 12 V DC constant current LED luminaires

YFB-12 is an emergency conversion kit that turns 12 V DC constant-voltage LED luminaires into emergency luminaires and supports LED loads up to 100 W. During a power failure it runs for up to 3 hours on a 4.8 V Ni-Cd/Ni-MH battery, with full brightness for the first 90 minutes, and is protected against over-discharge and reverse polarity. It is used for escape-route lighting in offices, shops, hospitals, hotels and industrial buildings.

MAX. POWER	EMERGENCY DURATION	BATTERY
100 W	**1–3 hours**	**4,8 V Ni-Cd / Ni-MH**

IP
20

KEY FEATURES

- For 12 V DC LED luminaires
- Maximum 100 W LED load support
- Provides uninterrupted illumination for 1 to 3 hours during power outages
- Constant output at full brightness for the first 90 minutes
- Over-discharge & reverse polarity protection
- Optional test button with green LED charge indicator
- Tolerance to operating temperatures between –10 °C and +50 °C

APPLICATION AREAS

Office · Hotel · Hospital · Industrial

Ideal for LED lighting systems in offices, hotels, hospitals and industrial facilities, ensuring safe evacuation during power outages.

TECHNICAL DATA

Model	YFB-12
Brand	Albex
Input voltage	220–240 V AC
Output voltage	12 V DC
Maximum power	100 W
Battery	4,8 V Ni-Cd / Ni-MH
Emergency duration	1–3 hours
Operating frequency	50–60 Hz
Operating temperature	–10 °C … +50 °C
Lamp type	12 V DC LED
Standards	EN 61347-1, EN 61347-2-13, EN 55015, EN 61547

Technical values are subject to a ±10% tolerance. Efficacy is calculated by dividing luminous flux by nominal power. Harmony ELS reserves the right to make changes to products without prior notice.

Harmony ELS Energy Lighting Solutions
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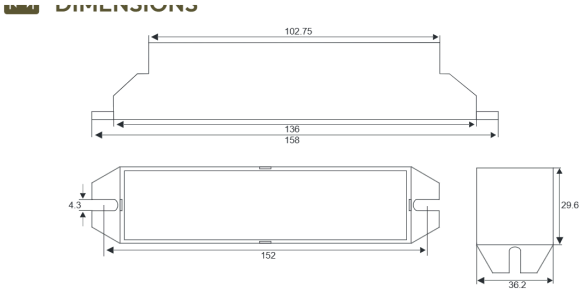
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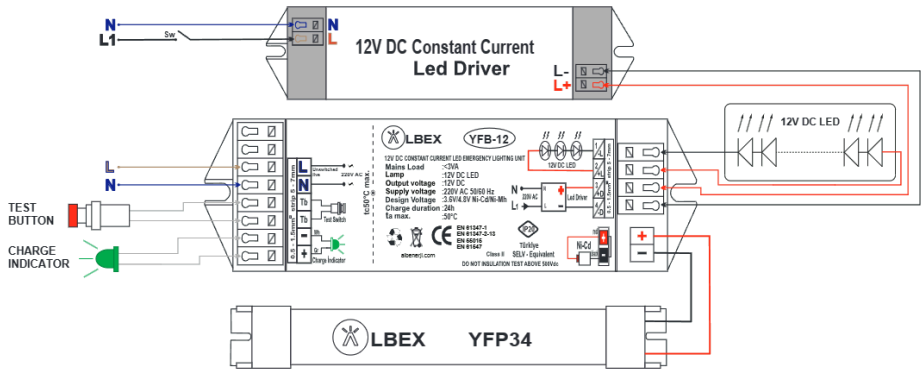
BATTERY OPTIONS

Product code	Duration	Battery	Battery code
YFB-12 14 1H	1 h	4.8 V / 1200 mAh	YFP14
YFB-12 24 2H	2 h	4.8 V / 2200 mAh	YFP24
YFB-12 34 3H	3 h	4.8 V / 4000 mAh	YFP34

DIMENSIONS (MM)



WIRING DIAGRAM



Up-to-date information and all options
https://harmonyels.com/en/product/yfb-12

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