

short form data

## OLUK kit 1

6pcs F-LED 357 (HO) modules + 1pce 60W PSU

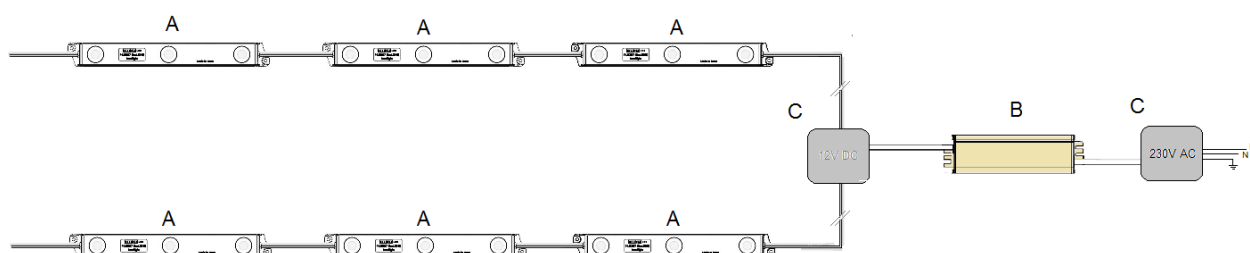


### General

Each **OLUK kit 1** comprises six **F-LED 357 (BFL357-DW12) LED sign lighting modules**, one electronic smps **LW60-0120500-BG00LED** driver unit all pre-assembled ready for installation into the illuminated sign box fixture.

And each **F-LED 357 (BFL357-DW12) LED sign lighting module** is a high lighting power LED linear system which is particularly effective for double-sided internally illuminated sign boxes, flex-face signs, totems and monoliths.

1pce OLUK kit 1 comprises:-



Key:

- A: 6pcs F-LED 357 (BFL357-DW12) LED sign lighting modules
- B: 1pce LW60-0120500-BG00 LED driver
- C: 2pcs ENN5032 plastic wiring box
- D: 5pcs Wago lever connectors 222-413

### Description

**F-LED 357 (BFL357-DW12) LED sign lighting module** is a high lighting power LED linear system which is particularly effective for double-sided internally illuminated sign boxes, flex-face signs, totems and monoliths.

Each F-LED 357HO module comprises three high quality and efficient Seoul Semiconductor (SSC) 3535 LEDs combined with specially designed lens, these modules when arranged along the edge of a sign box, project light in a flat but wide 10°x50° controlled beam. This is designed to produce a uniformly lit appearance on the substrate or flexible skin of large scale sign boxes.

Along with excellent efficiency and a long, maintenance free service life **F-LED 357** is an ideal alternative to fluorescent tubes inside both single-sided and double-sided box signs.

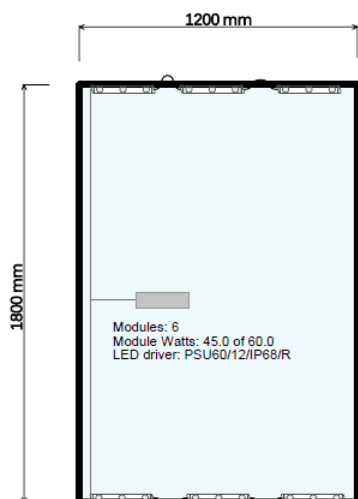
### Features

- Beam angle 10° x 50° lens
- Three SSC Z5-M2 Power LEDs per module
- 3535 high lighting power LEDs
- High Brightness and efficiency (97 lumens per Watt)
- Low power consumption (7.5W)
- Dust and weatherproof LED module (IP67)
- Safe, low power operation LED module (12V DC)
- 5 years or 50,000 hours whichever occurs first

### Compliance

**IP67 RoHS CE**

## Design Guide



Typical edge lighting application with two edges lit

6-sheet  
6 mods  
45.0 w  
2.8 mod/m<sup>2</sup>  
2.160 m<sup>2</sup>

*Need help with lighting a sign? Send a vector graphic pdf file of your sign or sign box to [sales@oshino.co.uk](mailto:sales@oshino.co.uk) subject line LED Wizard and we will do the rest.*

6pcs Modules: Oshino F-LED357 \ (BFL-357-DW12\)  
45.0 module Watts 52.3 circuit Watts 0.23A  
1 Power Supply: Oshino PSU60/12/IP68/R LED driver  
2.160 m<sup>2</sup>

LED driver  
L182 x W34 x H44

A lighting module  
L275 x W32 x H15



**A: F-LED357 (BFL357-DW12) LED**  
sign lighting module  
Power cons. 7.5W  
Input Voltage (V) DC 12V range 11.4 to 12.6V  
Luminous Flux (lm) 825  
Luminous Eff. (lm/W) 110  
Colour Rendering (CRI, Ra) >80  
Operating Temp range -20° to +50°



**B: LW60-0120500-BG00 LED driver**  
Input: 230V  
Input current: 0.3A  
Rated Output: 5A DC max  
PF: >0.95  
Class I  
Input cables: Brown, Blue & Green+Yellow  
Output cables: Red & Black

## Specifications

Optical and electrical data typical @ ta 25°C +/-2° @ 12V | Ambient operating temp. range -20 to 50°C

Part No.	OLUK kit 1
Input Voltage	230V a.c. (range +10% to -6%) 50Hz
Operating Current	0.23A (Max.)
Power Consumption	52.3W (Max.)
Class I	For use in sign cabinets with a protective Earth (Ground) wire
Dimensions	6pcs F-LED 357HO module L275xW32xH15 ea + 1pce LW... L182xW34xH44
Beam Angle	10 x 50°
Luminous Flux	4950 lumens / 97 lumens/W
Colour Temperature	6500k (+/- 500K)
Max number of Modules in Series Parallel	6 (2x3)

\* L/70 lumen depreciation is accelerated when operating temperature range is exceeded.



Our Design Guide is for reference only and the ideal appearance should be checked with a lit trial | Dimensions in millimetres | Data subject to our Terms and Conditions and are liable to change without notice | E&OE | © Oshino Lamps (UK) Ltd 12/2017



Tel 0115 964 1305 | [sales@oshino.co.uk](mailto:sales@oshino.co.uk) | [www.oshino-lamps.co.uk](http://www.oshino-lamps.co.uk)

Oshino Lamps (UK) Ltd