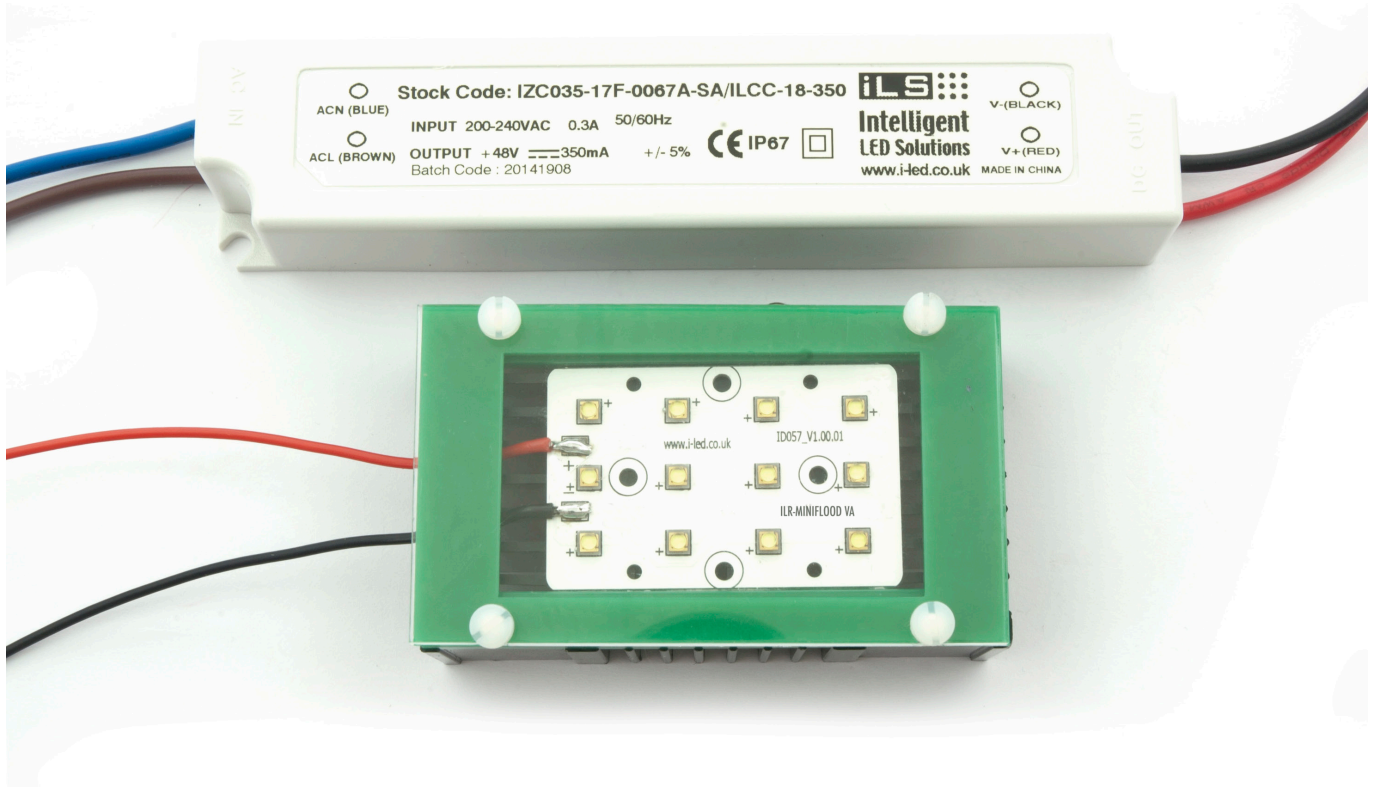


MiniFlood Development Kit

ILK-MINIFLOOD-####-01



Part Number	Description
ILK-MINIFLOOD-DEBL.	1x Deep Blue Miniflood with 200mm wires, 1x Heatsink, Laser cut housing, 350mA LED driver and 4 x M3 screws
ILK-MINIFLOOD-HYRE.	1x Hyper Red Miniflood with 200mm wires, 1x Heatsink, Laser cut housing, 350mA LED driver and 4 x M3 screws
ILK-MINIFLOOD-TRGR.	1x True Green Miniflood with 200mm wires, 1x Heatsink, Laser cut housing, 350mA LED driver and 4 x M3 screws
ILK-MINIFLOOD-WMWH.	1x Warm White MiniFlood with 200mm wires, 1x Heatsink, Laser cut housing, 350mA LED driver and 4 x M3 screws
ILK-MINIFLOOD-NUWH.	1x Neutral White MiniFlood with 200mm wires, 1x Heatsink, Laser cut housing, 350mA LED driver and 4 x M3 screws
ILK-MINIFLOOD-STWH.	1x Street White MiniFlood with 200mm wires, 1x Heatsink, Laser cut housing, 350mA LED driver and 4 x M3 screws
ILK-MINIFLOOD-ULWH.	1x Ultra White MiniFlood with 200mm wires, 1x Heatsink, Laser cut housing, 350mA LED driver and 4 x M3 screws
ILK-_____	Please contact ILS if you require another solution

Kit Contents – MiniFlood Kits are supplied pre-assembled

- 1x 12 LED MiniFlood Light Engine OSLOM SSL 80 – ILR-ON12-####-SC211-WIR200.
- 1x 78x46x25mm Heat Sink with pre attached Thermal Interface Material – ILA-HSINK-78X46X25MM-SVR
- 1x Laser cut MiniFlood Baseplate – ILA-MINIFLOOD-BASEPLATE
- 1x Laser cut MiniFlood Spacer – ILA-MINIFLOOD-SPACER
- 1x Laser cut MiniFlood Topplate – ILA-MINIFLOOD-TOPPLATE
- 1x 350mA 17W Constant Current LED Driver – IZC035-017F-0067A-SA
- 1x Doubled sided Thermal Interface Material (pre-fixed to the Heat Sink) ILA-TIM-PETUNIA-2A
- 4x M3x12mm Steel Flat Machine Screws

For Further Information – please visit

- [ILR-ON12-####-SC201-WIR200. – MiniFlood Light Engine](#)
- [ILA-HSINK-78X46X25MM-SVR – Heat Sink](#)
- [ILA-TIM-PETUNIA-2A – Thermal Interface Material](#)
- [IZC035-017F-0067A-SA – Constant Current LED Driver](#)

Powering Up the MiniFlood

Connect to the supplied driver red-red and black-black using connector blocks or alternative (not supplied). Connect driver wires Brown and Blue to mains (100-240V) using suitable mains plug (not supplied). Always connect the MiniFlood to the driver before plugging in the driver.

To download more information on the MiniFlood LED Engine and kit, please consult the MiniFlood Datasheet via this link www.i-led.co.uk/kit/miniflood

Other versions of the MiniFlood are available in other colours

CAUTION

- Never touch the LEDs as they are delicate and easy to damage physically and electronically
- Do not connect directly to mains (100-240V) – always use the driver provided. Do not hot plug into the driver.

Important Information and Precautions

- The MiniFlood LEDs, when powered up are very bright. Thus it is advised that you do not look directly at it. Turn the MiniFlood away from you and do not shine into the eyes of others.
- Do not operate MiniFlood with a Power Supply with unlimited current. Connection to constant voltage Power Supplies that are not current limited may cause the MiniFlood to consume current above the specified maximum and cause failure or irreparable damage.
- MiniFloods, when operated, can reach high temperatures thus there is risk of injury if they are touched.
- DO NOT HOT PLUG ON LED SIDE OF POWER SUPPLY.
- DO NOT TOUCH or PUSH on the LED as this can cause irreparable damage.

Safety Information

- In order to optimise the thermal management, the metal surface needs to be clean (dirt and oil free) and planar for the best contact with the LED module. A thermal grease or heat transfer material is highly recommended.
- The LED module itself and all its components must not be mechanically stressed.
- Assembly must not damage or destroy conducting paths on the circuit board.
- The mounting of the module is carried out by attaching it at the mounting holes. Metal mounting screws must be insulated with synthetic washers to prevent circuit board damage and possible short circuiting.
- To avoid mechanical damage to the connecting cables, the boards should be attached securely to the intended substrate. Heavy vibration should be avoided.
- Observe correct polarity!
- Depending on the product, incorrect polarity will lead to emission of red or no light. The module can be destroyed!
- Pay attention to standard ESD precautions when installing the Petunia.
- The Miniflood, as manufactured, have no conformal coating and therefore offer no inherent protection against corrosion.
- The evaluation of eye safety occurs according to the standard IEC 62471:2006 ("photobiological safety of lamps and lamp systems"). Within the risk grouping system of this CIE standard, the LED specified in this data sheet falls into the class "moderate risk" (exposure time 0.25s). Under real circumstances (for exposure time, eye pupils, observation distance), it is assumed that no endangerment to the eye exists from these devices. As a matter of principle, however, it should be mentioned that intense light sources have a high secondary exposure potential due to their blinding effect. As is also true when viewing other bright light sources (e.g. headlights), temporary reduction in visual acuity and afterimages can occur, leading to irritation, annoyance, visual impairment and even accidents, depending on the situation.

For further information please contact ILS

The values contained in this data sheet can change due to technical innovations. Any such changes will be made without separate notification.