

PowerLinear Kit OSLO 80

ILK-ON##-####-####-LL.



* Mounting accessories show above in image are not supplied in this kit.

Please see ILK-LINEXT-0490-001. Or ILK-LINEXT-1099-001.

Part Number	Description
ILK-ON15-WMWH-0480-LL.	OSLO 80 PowerLinear Kit Warm White 3K 480mm Strip with Heat Sink, Thermal Interface Material, Constant Current LED Driver, Plastics End caps, Diffuser and Hanging Kit
ILK-ON30-WMWH-1061-LL.	OSLO 80 PowerLinear Kit Warm White 3K 1061mm Strip with Heat Sink, Thermal Interface Material and Constant Current LED Driver, Plastics End caps, Diffuser and Hanging Kit
ILK-ON15-NUWH-0480-LL.	OSLO 80 PowerLinear Kit Neutral White 4K 480mm Strip with Heat Sink, Thermal Interface Material and Constant Current LED Driver, Plastics End caps, Diffuser and Hanging Kit
ILK-ON30-NUWH-1061-LL.	OSLO 80 PowerLinear Kit Neutral White 4K 1061 mm Strip with Heat Sink, Thermal Interface Material and Constant Current LED Driver, Plastics End caps, Diffuser and Hanging Kit
ILK-_____	Please contact ILS if you require another solution

Kit Contents – PowerLinear Kits are supplied pre-assembled

480mm 15 LED Strip

- 1x 15 LED PowerLinear Strip OSLOON SSL 80 – ILS-ON15-####-0480-SC211-WIR200.
- 1x 490x40mm Linear Heat Sink for Long Linear Strips – ILA-HSINK-490x40MM-BLK
- 1x 505x31mm Plastics diffuser – ILA-DIFF-505X31MM-BLK-001.
- 1x Plastic end cap with wire hole – ILA-ENDC-40MM-HOLE-BLK
- 1x Plastic end cap no hole – ILA-ENDC-40MM-BLANK-BLK
- 1x 480x20mm double sided thermal tape – ILA-TIM-STRIP-2A
- 1x 1.5M Wire set with clamps – ILA-ADAPT-WIRESET-001
- 1x Constant Current 500mA LED Driver 50W – IZC050-060F-9067C-QA

1061mm 30 LED Strip

- 1x 30 LED PowerLinear Strip OSLOON SSL 80 – ILS-ON30-####-1061-SC211-WIR200.
- 1x 1099x40mm Linear Heat Sink for Long Linear Strips – ILA-HSINK-1099x40MM-BLK
- 1x 1114x31mm Plastics diffuser – ILA-DIFF-1114X31MM-BLK-001.
- 1x Plastic end cap with wire hole – ILA-ENDC-40MM-HOLE-BLK
- 1x Plastic end cap no hole – ILA-ENDC-40MM-BLANK-BLK
- 1x 1061x20mm double sided thermal tape – ILA-TIM-STRIP-2A
- 1x 1.5M Wire set with clamps – ILA-ADAPT-WIRESET-001
- 1x Constant Current 500mA LED Driver 50W – IZC050-060F-9067C-QA

For Further Information – please visit

- [ILS-ON15-####-0480-SC201-WIR200. – 15 LED 480mm PowerLinear LED Engine](#)
- [ILS-ON30-####-1061-SC201-WIR200. – 30 LED 1061mm PowerLinear LED Engine](#)
- [ILA-HSINK-####X40MM-BLK – PowerLinear Heat Sink](#)
- [ILA-TIM-STRIP-####-2A – Thermal Interface Material](#)
- [IZC050-060F-9067C-QA – Constant Current LED Driver](#)

Powering Up the PowerLinear Kit

Connect to the supplied driver red to red and black to 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 Long Linear to the driver before plugging in the driver.

The Long Linear PCB split in to 3 channels and has been wired in parallel meaning all LEDs will be illuminated equally when powered; if you wish to drive each chain separately please consult the Long Linear datasheet for further information via this link: www.i-led.co.uk/kit/longlinear Each chain consists of a 3rd of the LEDs but they are not equally spaced. On the 30 LED versions if all connected the output voltage of the driver will be over 90 volts therefore take care.

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 PowerLinear LEDs, when powered up are very bright. Thus it is advised that you do not look directly at it. Turn the PowerLinear away from you and do not shine into the eyes of others.
- Do not operate PowerLinear with a Power Supply with unlimited current. Connection to constant voltage Power Supplies that are not current limited may cause the PowerLinear to consume current above the specified maximum and cause failure or irreparable damage.
- PowerLinears, 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 PowerLinear, 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.