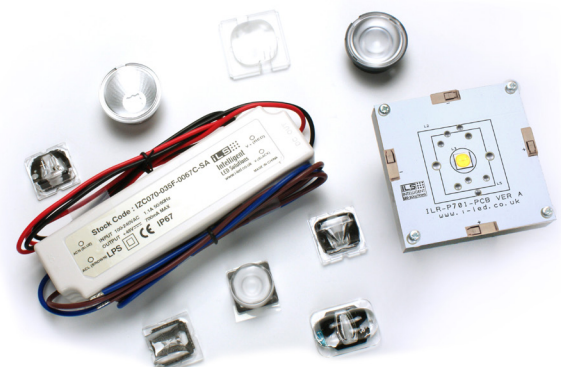


LEDiL Development Kit OSCONIQ P7070®

ILK-LEDIL-OSCP70-SELECTOR-0#.

Product Overview

The LEDiL Selector board from ILS is the latest light engine designed to explore which secondary optic works best with OSRAM OSCONIQ P7070® LEDs. The LEDiL Selector has been designed to work with most single source optics from LEDiL and can be connected to an LED driver thanks to the on board connectors. Each kit contains a light engine, selection of optics, LED Driver, Heat Sink, TIM and screws.



Product Options

Product	Description
ILK-LEDIL-OSCP70-SELECTOR-01.	LEDiL Development Kit, Including OSCONIQ P7070® 4000K LED Engine, Driver, HeatSink, TIM, Screws and 8 LEDiL lenses

Kit Contents – LEDiL Selector Kits are supplied un-assembled

ILK-LEDIL-OSCP70-SELECTOR-01.

- 1 x LEDiL Selector Light Engine using OSRAM OSCONIQ P7070® 4000K - ILR-P701-NUWH-LEDIL-SC221.
- 1 x Heat Sink - ILA-HSINK-70X70X55MM-BLK
- 1 x LED Driver - IZC070-035F-0067C-SA
- 1 x Thermal Interface Material - ILA-TIM-LEDIL-70x70-0A
- 4 x M3X20MM Screws
- 4 x M3 Nylon Washers
- 4 x M3 Steel Lock Washers
- 4 x M3 Nuts

As standard all Kits contain the following Lenses

RS Part	LEDiL Part
892-2942	CA14442_VERONICA-SQ-W
889-2009	CA13753_STRADA-SQ-FW
889-2021	CA13837_STRADA-SQ-T-DWC
889-2141	F14531_JENNY-CY
889-1964	CA14434_MINNIE-LT-M
889-1942	CN13146_MIRA-WW
889-2232	CA14523_EMERALD-MAXI-A
889-2015	CA13688_STRADA-SQ-T3

Other compatible families for the LEDiL selector are:



Family	Locator Pin
BOOM	N/A
EMERALD	RED
EVA	N/A
FLARE-MAXI	RED
FLORENTINA	RED
HEKLA	PURPLE
IRIS	N/A
JENNY	BLUE
MINNIE	N/A
MIRA	N/A
MIRELLA	N/A
ROSE	RED
STRADA-SQ	RED
VERONICA-SQ	RED
VERONICA	RED

Powering up the LEDiL Selector Kit

Before connecting the LED driver to the mains make sure that the LED board is connected to the PCB. Connecting the PCB to a live LED Driver could cause hot plugging which could cause damage to the LED. Connect the red wire of the driver to the + connector and black wire to the - connector.

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