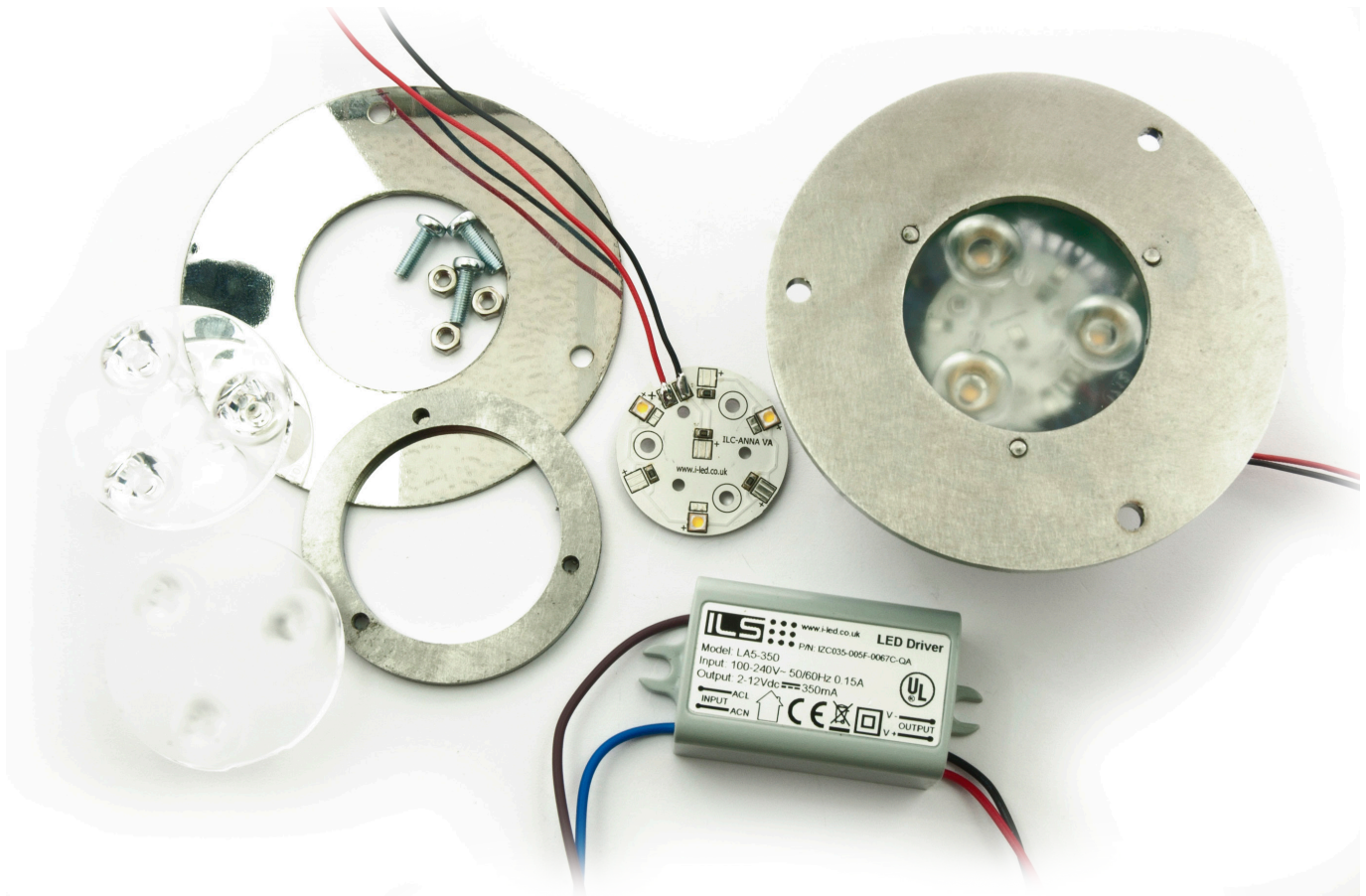


# Anna Development Kit



## Anna Kit Options

Part Number	Description
ILK-ANNA-3LED-01	3 LED Anna Development Kit with 2 LED Engines, Heat sink, Lenses, LED Driver and Metal Housing
ILK-ANNA-4LED-01	4 LED Anna Development Kit with 2 LED Engines, Heat sink, Lenses, LED Driver and Metal Housing
ILK-ANNA-5LED-01	5 LED Anna Development Kit with 2 LED Engines, Heat sink, Lenses, LED Driver and Metal Housing
ILK-ANNA-6LED-01	6 LED Anna Development Kit with 2 LED Engines, Heat sink, Lenses, LED Driver and Metal Housing
ILK-ANNA-7LED-01	7 LED Anna Development Kit with 2 LED Engines, Heat sink, Lenses, LED Driver and Metal Housing
ILK-ANNA-_____-_____*	* other versions of the Anna Kit are available from ILS, please contact ILS if you require other OSRON SSL LEDs or colour temperatures

### 3 LED Anna Kit – Kit Contents (Kit is supplied pre-assembled)

Quantity	Part Number	Description
1	ILC-ONA3-WMWH-SC201-WIR200.	3 LED PowerAnna 3000K Warm White
1	ILC-ONA3-NUWH-SC201-WIR200.	3 LED PowerAnna 4000K Neutral White
1	SCREWM2X4-PACK3.	M2.5x4mm Screws
1	ILA-HSINK-STAR-50X20MM-BLK+BP+TIM.	20x50mm Heat Sink and Thermal Interface Material pre fixed + base plate
1	C11710_ANNA-40-3-S	LEDiL Anna Lens 11
1	C11711_ANNA-40-3-M	LEDiL Anna Lens 20
1	C11712_ANNA-40-3-W °	LEDiL Anna Lens 26
1	ILA-ANNA-SPACER-PL1	Ring spacer plastic 5mm
1	ILA-ANNA-SPACER-SS	Stainless Steel Ring Spacer
1	ILA-ANNA-SPACER-PL2	Ring spacer plastic 3mm
1	ILA-ANNA-TOPPLATE	Stainless Steel Top plate (fitted)
1	ILA-ANNA-TOPPLATE-ALT	Stainless Steel Top plate (supplied not fitted)
1	IZC035-005F-0067C-SA	350mA Constant Current PSU 5 Watt
1	SCREWSM3X45-PACK3	M3 45mm Screws

### 7 LED Anna Kit –Kit Contents (Kit is supplied pre-assembled)

Quantity	Part Number	Description
1	ILC-ONA7-WMWH-SC201-WIR200.	7 LED PowerAnna 3000K Warm White
1	ILC-ONA7-NUWH-SC201-WIR200.	7 LED PowerAnna 4000K Neutral White
1	SCREWM2X4-PACK3.	M2.5x4mm Screws
1	ILA-HSINK-STAR-50X40MM-BLK+BP+TIM.	40x50mm Heat sink and Thermal Interface Material pre fixed + Base Plate
2	C11716_ANNA-40-7-S	LEDiL Anna Lens 11°
1	C11717_ANNA-40-7-M	LEDiL Anna Lens 20°
1	C11718_ANNA-40-7-W °	LEDiL Anna Lens 26
1	ILA-ANNA-SPACER-PL1	Ring spacer plastic 5mm
2	ILA-ANNA-SPACER-SS	Stainless Steel Ring Spacer
1	ILA-ANNA-SPACER-PL2	Ring spacer plastic 3mm
1	ILA-ANNA-TOPPLATE	Stainless Steel Top plate (fitted)
1	ILA-ANNA-TOPPLATE-ALT	Stainless Steel Top plate (supplied not fitted)
	IZC035-017F-0067C-SA	350mA Constant Current PSU 17 Watt
	SCREWSM3X70-PACK3	M3 70mm Screws

### Alternative Anna Kits

ILS have also introduced a 4, 5 and 6 LED version of the Anna Light Engine which are sold separately. If you are considering a change in brightness then please look at these other versions. All other accessories including kit parts, lens, and LED driver are also available on RS components. Please refer to the tables below to determine what parts are needed if you decide to produce a kit using the 4 or 5 or 6 Anna Engines.

Each kit will need each of the following as standard:

Quantity	Part Number
1	ILA-ANNA-TOPCAP
2	ILA-ANNA-SPACER
1	SCREWSM3X70-PACK3.
1	SCREWM2X4-PACK3.
2	SCREWM3X20-PACK2+SPACER

	Use with Anna Light Engine
	Do not use with Anna Light Engine

ILS Product	Heat Sink			LED Driver		Lens								
	ILA-HSINK-STAR-50X20MM-PB-TIM.	ILA-HSINK-STAR-50X20MM-PB-TIM.	ILA-HSINK-STAR-50X20MM-PB-TIM.	IZC035-005F-0067C-QA	IZC035-008F-5065C-SA	C11793_ANNA-40-4-S	C11794_ANNA-40-4-M	C11795_ANNA-40-4-W	C11713_ANNA-40-5-S	C11714_ANNA-40-5-M	C11715_ANNA-40-5-W	C11805_ANNA-40-6-S	C11806_ANNA-40-6-M	C11807_ANNA-40-6-W
ILC-ONA4-WMWH-SC201-WIR200.														
ILC-ONA4-NUWH-SC201-WIR200.														
ILC-ONA5-WMWH-SC201-WIR200.														
ILC-ONA5-NUWH-SC201-WIR200.														
ILC-ONA6-WMWH-SC201-WIR200.														
ILC-ONA6-NUWH-SC201-WIR200.														

**For Further Information – please visit**

- [ILS Anna Coin](#)
- [ILS Heat sinks](#)
- [ILS Thermal Interface Material](#)
- [ILS Constant Current Power Supply](#)

**Assembly**

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 Anna to the driver before plugging in the driver.

To change the lens or LED engine please follow the steps below:

1. Slightly undo the three M3 screws, these do not have to be removed completely, place on a flat surface and remove the TOPPLATE.
2. Remove the two spacers and lens. If only changing the lens please go to step 5.
3. To change the Anna PCB undo three M2 Screws using the correct screwdriver.
4. When placing a new Anna PCB make sure wires line up with hole in base plate, fix in place with three M2 screws.
5. Place lens over LEDs, take care not to touch the LEDs, once in place slide in spacers and fix all together by lining up the three screws with TOPPLATE and tightening the screws.

## Important Information and Precautions

- The PowerAnna's LEDs, when powered up are very bright. Thus it is advised that you do not look directly at it. Turn the PowerAnna away from you and do not shine into the eyes of others.
- Do not operate PowerAnna's with a Power Supply with unlimited current. Connection to constant voltage Power Supplies that are not current limited may cause the PowerAnna to consume current above the specified maximum and cause failure or irreparable damage.
- PowerAnna's, 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 PowerAnna.
- The PowerAnna, as manufactured, have no conformal coating and therefore offer no inherent protection against corrosion.

## 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.