

4 LED High Bay Development Kit

ILK-HIGHBAY04-STWH-XX.



Product Options

ILS PART NUMBER	Colour
ILK-HIGHBAY04-STWH-01	High Bay 4 LED Kit White 5700K 2x2 5 lenses
ILK-HIGHBAY04-STWH-02.	High Bay 4 LED Kit Large White 5700K 2x2 25 lenses

Kit Contents – 5 Lens Kit

1 x 4 LED High Bay Light Engine Oslon Square 5700K - ILB-0004-STWH-SC211-WIR200.

1 x varying constant current 40W dimming LED driver - IZCVAR-040M-9020C-SAL

1x Double Sided Thermal Interface Material - ILA-TIM-SQUARE-58X58-1A.

5 x Self Tap Screw, Pan Head 2.9x7mm - TAP-2.9MM-7MM-PAN-POZI-STL

1 x Cluster Heatsink 70x70x55mm with mounting holes - ILA-HSINK-70X70X55MM-BLK

1x Hanging Kit - ILA-ADAPT-WIRESET-001

Lens Included:

ILS PART NUMBER	OSLON Square	Mounting Type
	Beam Angle (FWHM)	
C13749_HB-2X2-O	25+124	Pin, Glue
C13232_HB-2X2-WW	63	Pin, Glue
C13233_HB-2X2-M	30	Pin, Glue
C13936_STRADA-2X2-B2-STP	120+48	Pin, Glue
C13937_STRADA-2X2-C-STP	130	Pin, Glue

Kit Contents – 25 Lens Kit

1 x 4 LED High Bay Light Engine Oslon Square 5700K - ILB-OO04-STWH-SC211-WIR200.

1 x varying constant current 40W dimming LED driver - IZCVAR-040M-9020C-SAL

1x Hanging Kit - ILA-ADAPT-WIRESET-001

1 x Cluster Heatsink 70x70x55mm with mounting holes - ILA-HSINK-70X70X55MM-BLK

1x Double Sided Thermal Interface Material - ILA-TIM-SQUARE-58X58-2A.

5 x Self Tap Screw, Pan Head 2.9x7mm - TAP

Lens Included:

ILS PART NUMBER	OSLON Square	Mounting Type
	Beam Angle (FWHM)	
C13749_HB-2X2-O	25+124	Pin, Glue
C14541_HB-2X2-RS	11	Pin, Glue
C13232_HB-2X2-WW	63	Pin, Glue
C13233_HB-2X2-M	30	Pin, Glue
C13237_HB-2X2-WW-BLIND	65	Pin, Glue
C13239_HB-2X2-M-BLIND	30	Pin, Glue
C14607_HB-2X2-RW	50	Pin, Glue
C14724_HB-2X2-WWW	N/A	Pin, Glue
C14556_STRADA-2X2-TF	Asymmetric	Pin, Glue
C13936_STRADA-2X2-B2-STP	120+48	Pin, Glue
C13937_STRADA-2X2-C-STP	130	Pin, Glue
C13299_STRADA-2X2-ME	Asymmetric	Pin, Glue
C13300_STRADA-2X2-T2	Asymmetric	Pin, Glue
C13604_STRADA-2X2-FN	Asymmetric	Pin, Glue
C13301_STRADA-2X2-T3	Asymmetric	Pin, Glue
C13699_STRADA-2X2-DN	Asymmetric	Pin, Glue
C12360_STRADA-2X2-DNW	Asymmetric	Pin, Glue
C12362_STRADA-2X2-DWC	Asymmetric	Pin, Glue
C12419_STRADA-2X2-A-T	Asymmetric	Pin, Glue
C13499_STRADA-2X2-CY	122+122	Pin, Glue
C13805_STRADA-2X2-T4	Asymmetric	Pin, Glue
C13858_STRADA-2X2-XW	Asymmetric	Pin, Glue
C14109_STRADA-2X2-NHS	Asymmetric	Pin, Glue
C14116_STRADA-2X2-PX	Asymmetric	Pin, Glue
C14164_STRADA-2X2-ME-WIDE 1	Asymmetric	Pin, Glue

Powering Up the 4 High Bay

Remove the High Bay Light Engine with Heatsink attached from their packaging taking care not to touch the LEDs.

To attach a High Bay or Strada lens you will need to unscrew the centre screw with a Phillips screwdriver. Line the fixing pins of the lens in place with those on the PCB to fix in place fix the centre screw in place

To connect the High Bay Light Engine to the LED Driver you will need to remove the blue cable clamp using a Phillips screw driver. Once the cable clamp has been removed, connect the red wire to +Vo and black to Vo-. Connect a main wires wire to AC/L (Brown) and AC/N (Blue) and use a suitable mains plug (not supplied).

As standard the LED Driver is set to 700mA to alter the current please consult the table below to alter the current.

	DIP Switch	1	2	3	4	5	6
Load							
350mA		OFF	OFF	OFF	OFF	OFF	OFF
500mA		ON	OFF	OFF	OFF	OFF	OFF
600mA		ON	ON	OFF	OFF	OFF	OFF
700mA		ON	ON	ON	OFF	OFF	ON
900mA		ON	ON	ON	ON	OFF	ON
1050mA		ON	ON	ON	ON	ON	ON

Always connect the High Bay to the driver before plugging in the driver. To download more information on the High Bay and High Bay kit, please visit www.i-led.co.uk/kit/highbay

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 High Bays, when powered up are very bright. Thus it is advised that you do not look directly at it. Turn the High Bay away from you and do not shine into the eyes of others.
- Do not operate High Bay 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.
- High Bays, 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 High Bay.
- The High Bay, 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.