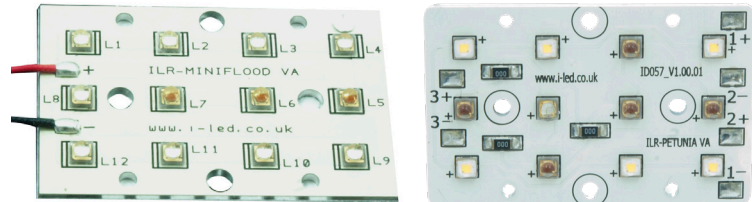


OSLON® SSL Petunia and MiniFlood Plant Light

ILR-OX12-####-#C211-W2.

Product Overview

Petunia products are a range of light engines designed to enhance the growth of plants. The spectrum type, span, and intensity all play key roles in vegetative cultivation and overall plant health. Each Petunia light engine has its own purpose and will benefit the development of growth depending on its output. Petunia Light Engines are available in series and parallel configurations. The low profile and densely-spaced Petunia array offers the ability to design a compact fixture for use in crowded greenhouses.



In our portfolio we have 3 types of Petunias available;

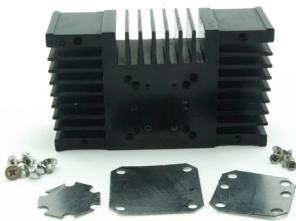
N3535: Industry standard 3535 package with a ceramic substrate for superior reliability at higher temperatures. UVA technology with offerings at 385, 395, 405 and 415nm. Current range from 100 to 1000mA

OSRAM OSLON® SSL: OSLON® SSL delivers the high efficacy that is necessary for professional indoor and outdoor lighting. The ceramic based package with its superior corrosion robustness addresses perfectly the needs for long lifetime applications. Current range from 100 to 1000mA

OSLON Square: OSRAMs most compact 2W high power LED with extremely low thermal resistance, remarkable high efficiency, high reliable and superior corrosion robustness. Current range from 200 to 1800mA

Accessories Designed for the Petunia

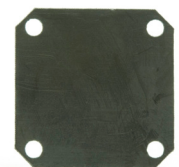
One of the biggest advantages of using Petunia lenses and OSRAM OSLON® LEDs is the major reduction in energy cost and the ability to deliver growing plants the light spectrum needed throughout their growth cycle.



Heat Sink kits with pre-tapped screw holes and mounting screws. They also come with Thermal Interface Material (TIM) attached to the top surface. Available in Black.

IHS have produced a range of high-performance, cost effective Thermal Interface Materials (TIM) to perfectly match their standard products.

Our product fills the air pockets between the two surfaces, forming a continuous layer to conduct heat away from the LED to the heatsink. As you'd imagine, this is why it's called thermal interface material.



IHS offer TIM in three options - double sided adhesive, single sided adhesive and no adhesive.



Select from our range of IP rated AC/DC LED drivers suitable for use with our range of LED engines. All tried and tested ready to plug and play...



The majority of the products in this flyer is available for sale through RS. If you require small quantities please go to their website to check stock.

IHS Part Number	Description	Typical Current mA	240-790nm Total radiometric flux	PAR 400-700nm PPF $\mu\text{mol/s}$	PAR 360-780nm PPF $\mu\text{mol/s}$
IHR-XO12-S380-SC221-WIR200.	TSLC N3535U 12 MiniFlood UV 385nm	350	4944 mW	0.85	15.95
IHR-XO12-S390-SC221-WIR200.	TSLC N3535U 12 MiniFlood UV 395nm	350	5424 mW	5.12	17.94
IHR-XO12-S400-SC221-WIR200.	TSLC N3535U 12 MiniFlood UV 405nm	350	5928 mW	16.72	20.20
IHR-XO12-S410-SC221-WIR200.	TSLC N3535U 12 MiniFlood UV 415nm	350	5928 mW	19.61	20.63
IHR-OM12-DEBL-SC221-WIR200.	OSLON 120 12 MiniFlood Deep Blue 445nm	350	8520 mW	32.13	32.17
IHR-OW12-BLUE-SC221-WIR200.	OSLON 150 12 MiniFlood Blue 465nm	350	6908 lm	26.86	26.91
IHR-OM12-TRGR-SC221-WIR200.	OSLON 120 12 MiniFlood True Green 519nm	350	3785 lm	16.57	16.57
IHR-OW12-YELL-SC221-WIR200.	OSLON 150 12 MiniFlood Yellow 594nm	350	2158 lm	10.68	10.68
IHR-OM12-RDOR-SC221-WIR200.	OSLON 120 12 MiniFlood Amber 617nm	350	6064 lm	31.58	31.58
IHR-OW12-RED1-SC221-WIR200.	OSLON 150 12 MiniFlood Red 625nm	350	5329 lm	28.08	28.08
IHR-OM12-HYRE-SC221-WIR200.	OSLON 120 12 MiniFlood Hyper Red 656nm	350	6000 mW	32.73	32.83
IHR-OM12-FRED-SC221-WIR200.	OSLON 120 12 MiniFlood Far Red 730nm	350	3780 mW	3.14	22.64
IHR-OW12-HW90-SC221-WIR200.	OSLON 150 12 MiniFlood Hot White 2700K 90 CRI	350	3859 lm	17.66	19.24
IHR-OW12-WM80-SC221-WIR200.	OSLON 150 12 MiniFlood Warm White 3000K 80 CRI	350	5047 lm	23.02	24.69
IHR-OW12-QZ90-SC221-WIR200.	OSLON 150 12 MiniFlood Quartz White 3500K 90 CRI	350	4164 lm	18.82	20.17
IHR-OW12-NW80-SC221-WIR200.	OSLON 150 12 MiniFlood Neutral White 4000K 80 CRI	350	4220mW	19.21	
IHR-OW12-WH80-SC221-WIR200.	OSLON 150 12 MiniFlood White 5000K 80 CRI	350	5578 lm	24.63	25.71
IHR-OW12-UL70-SC221-WIR200.	OSLON 150 12 MiniFlood Ultra White 6500K 70 CRI	350	5900 lm	25.58	26.28
IHR-OG12-DEBL-SC221-WIR200.	OSLON Square 3rd Gen 12 MiniFlood Deep Blue 445nm	700	14916 mW	56.24	56.32
IHR-OG12-HYRE-SC221-WIR200.	OSLON Square 3rd Gen 12 MiniFlood Hyper Red 656nm	700	10500 mW	57.27	57.45
IHR-OG12-HW90-SC221-WIR200.	OSLON Square 3rd Gen 12 MiniFlood Hot White 2700K 90 CRI	700	6732 lm	30.81	33.57
IHR-OG12-WM80-SC221-WIR200.	OSLON Square 3rd Gen 12 MiniFlood Warm White 3000K 80 CRI	700	8812 lm	40.19	43.12
IHR-OG12-QZ90-SC221-WIR200.	OSLON Square 3rd Gen 12 MiniFlood Quartz White 3500K 90 CRI	700	7287 lm	32.94	35.29
IHR-OG12-NW80-SC221-WIR200.	OSLON Square 3rd Gen 12 MiniFlood Neutral White 4000K 80 CRI	700	9050mW	41.16	26.89
IHR-OG12-WH80-SC221-WIR200.	OSLON Square 3rd Gen 12 MiniFlood White 5000K 80 CRI	700	9761 lm	43.10	44.99
IHR-OG12-UL70-SC221-WIR200.	OSLON Square 3rd Gen 12 MiniFlood Ultra White 6500K 70 CRI	700	10345 lm	44.85	46.08
IHR-OX12-6WM5HR1DB-PC211-W2.	OSLON 12 LED Petunia Plant Growth Light - 6 Warm White, 5 Hyper Red, 1 Deep Blue	350	4730 mW	22.82	23.28
IHR-OX12-6WM5HR1DB-SC211-W2.	OSLON 12 LED Petunia Plant Growth Light - 6 Warm White, 5 Hyper Red, 1 Deep Blue, Serial	350	4730 mW	22.82	23.28
IHR-OX12-9HR3DB-SC211-WIR200.	OSLON 12 SSL 80 Petunia High Efficiency LED Array 9 Hyper Red, 3 Deep Blue	350	5170 mW	24.87	24.93
IHR-OX12-6HR6DB-SC211-WIR200.	OSLON 12 SSL 80 Petunia Vegetative Growth LED Array 6 Hyper Red, 6 Deep Blue	350	6080 mW	25.5	26.56
IHR-OX12-3HR9DB-SC211-WIR200.	OSLON 12 SSL 80 Petunia Seedlings LED Array 3 Hyper Red, 9 Deep Blue	350	6990 mW	28.14	28.19

For further information please contact IHS

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

Intelligent Horticultural Solutions is a division of Intelligent LED Solutions, focusing on providing LED solutions to the rapidly evolving and highly important horticultural lighting market.