

72 LED Horticultural PowerFloods

IHF-xx72-xxxx-SD44x1-WIR200.

Product Overview

IHS PowerFloods are ideal for large area illumination in horticultural lighting. Size (L x W x H): 235mm x 170mm x 7mm with mounting holes using M3 screws allows easy installation. Supplied with on-board drivers which convert constant 48V to constant current.

Available with 200mm connecting wires.

In our portfolio we have 3 types of PowerFloods 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

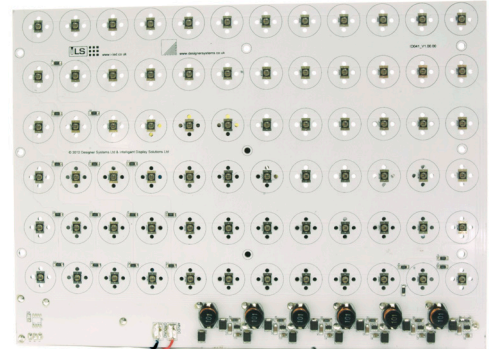
OSLON® SSL: OSLON® SSL delivers the high efficacy that is necessary for professional indoor and outdoor lighting. The ceramic based package with its superior corrosion robustness addresses perfectly the needs for long lifetime applications.

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.

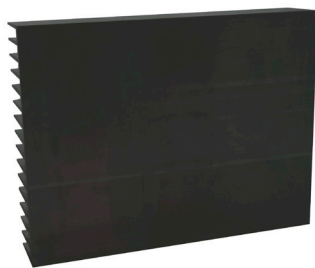
Current range from 200 to 1800mA

Many other wavelengths are available, such as IR, so if you don't see the wavelength value you are looking for, please ask.



Accessories Designed for the PowerFlood

Secondary lens and reflectors from our lens partner LEDiL to enhance or widen the beam. LEDiL lens have mounting pins/clips which fit in conjunction to the PowerStar.



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.

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 their stock situation.

Product Options

IHS Part Number	Description	Typical Current mA	240-790nm Total radiometric flux	PAR 400-700nm PPF $\mu\text{mol/s}$	PAR 360-780nm PPF $\mu\text{mol/s}$
IHF-XO72-S380-SD421-WIR200.	TSLC N3535U 72 PowerFlood UV 385nm	350	29664 mW	5.13	95.69
IHF-XO72-S390-SD421-WIR200.	TSLC N3535U 72 PowerFlood UV 395nm	350	32544 mW	30.70	107.63
IHF-XO72-S400-SD421-WIR200.	TSLC N3535U 72 PowerFlood UV 405nm	350	35568 mW	100.30	121.17
IHF-XO72-S410-SD421-WIR200.	TSLC N3535U 72 PowerFlood UV 415nm	350	35568 mW	117.65	123.75
IHF-OM72-DEBL-SD421-WIR200.	OSLON 120 72 PowerFlood Deep Blue 445nm	350	51120 mW	192.76	193.04
IHF-OW72-BLUE-SD421-WIR200.	OSLON 150 72 PowerFlood Blue 465nm	350	41446 lm	161.17	161.45
IHF-OM72-TRGR-SD421-WIR200.	OSLON 120 72 PowerFlood True Green 519nm	350	22712 lm	99.42	99.42
IHF-OW72-YELL-SD421-WIR200.	OSLON 150 72 PowerFlood Yellow 594nm	350	12950 lm	64.07	64.07
IHF-OM72-RDOR-SD421-WIR200.	OSLON 120 72 PowerFlood Amber 617nm	350	36383 lm	189.49	189.49
IHF-OW72-RED1-SD421-WIR200.	OSLON 150 72 PowerFlood Red 625nm	350	31976 lm	168.46	168.47
IHF-OM72-HYRE-SD421-WIR200.	OSLON 120 72 PowerFlood Hyper Red 656nm	350	36000 mW	196.36	196.96
IHF-OM72-FRED-SD421-WIR200.	OSLON 120 72 PowerFlood Far Red 730nm	350	22680 mW	18.84	135.85
IHF-OW72-HW90-SD421-WIR200.	OSLON 150 72 PowerFlood Hot White 2700K 90 CRI	350	23153 lm	105.97	115.46
IHF-OW72-WM80-SD421-WIR200.	OSLON 150 72 PowerFlood Warm White 3000K 80 CRI	350	30279 lm	138.10	148.17
IHF-OW72-QZ90-SD421-WIR200.	OSLON 150 72 PowerFlood Quartz White 3500K 90 CRI	350	24984 lm	112.93	121.01
IHF-OW72-NW80-SD421-WIR200.	OSLON 150 72 PowerFlood Neutral White 4000K 80 CRI	350	25329mW	115.26	119.35
IHF-OW72-WH80-SD421-WIR200.	OSLON 150 72 PowerFlood White 5000K 80 CRI	350	33465 lm	147.78	154.24
IHF-OW72-UL70-SD421-WIR200.	OSLON 150 72 PowerFlood Ultra White 6500K 70 CRI	350	35402 lm	153.49	157.70
IHF-OG72-DEBL-SD421-WIR200.	OSLON Square 3rd Gen 72 PowerFlood Deep Blue 445nm	700	89496 mW	337.46	337.95
IHF-OG72-HYRE-SD421-WIR200.	OSLON Square 3rd Gen 72 PowerFlood Hyper Red 656nm	700	63000 mW	343.64	344.68
IHF-OG72-HW90-SD421-WIR200.	OSLON Square 3rd Gen 72 PowerFlood Hot White 2700K 90 CRI	700	40389 lm	184.87	201.41
IHF-OG72-WM80-SD421-WIR200.	OSLON Square 3rd Gen 72 PowerFlood Warm White 3000K 80 CRI	700	52872 lm	241.14	258.72
IHF-OG72-QZ90-SD421-WIR200.	OSLON Square 3rd Gen 72 PowerFlood Quartz White 3500K 90 CRI	700	43722 lm	197.64	211.77
IHF-OG72-NW80=SD421-WIR200.	OSLON Square 3rd Gen 72 PowerFlood Neutral White 4000K 80 CRI	700	54276mW	246.96	255.76
IHF-OG72-WH80-SD421-WIR200.	OSLON Square 3rd Gen 72 PowerFlood White 5000K 80 CRI	700	58564 lm	258.61	269.91
IHF-OG72-UL70-SD421-WIR200.	OSLON Square 3rd Gen 72 PowerFlood Ultra White 6500K 70 CRI	700	62072 lm	269.12	276.50

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.