

# 6 LED Horticultural Linear Strips

IHS-xx06-xxxx-SD2x1.



## Product Overview

IHS 6 LED Linear Strips are one of our basic building block in horticultural development. Compact Size (L x W x H): 300mm x 20mm x 7mm with mounting holes using M3 screws allows easy installation.

Available with JST PH type connectors, chaining multiple strips together to form complex systems is very quick and simple – excellent for prototyping your design.

In our portfolio we have 3 types of 6 LED Linear Strips 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 OSOLON® SSL: OSOLON® 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

OSOLON 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 6 Strip

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 6 Strip.



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 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 $\mu\text{mol/s}$ |
|----------------------|---|--------------------|----------------------------------|-------------------------------------|-------------------------------------|
| IHS-XO06-S380-SD211. | TSLC N3535U 6 Strip UV 385nm                            | 350                | 2472 mW                          | 0.43                                | 7.97                                |
| IHS-XO06-S390-SD211. | TSLC N3535U 6 Strip UV 395nm                            | 350                | 2712 mW                          | 2.56                                | 8.97                                |
| IHS-XO06-S400-SD211. | TSLC N3535U 6 Strip UV 405nm                            | 350                | 2964 mW                          | 8.36                                | 10.10                               |
| IHS-XO06-S410-SD211. | TSLC N3535U 6 Strip UV 415nm                            | 350                | 2964 mW                          | 9.80                                | 10.31                               |
| IHS-OM06-DEBL-SD221. | OSLON 120 6 Strip Deep Blue 445nm                       | 350                | 4260 mW                          | 16.06                               | 16.09                               |
| IHS-OW06-BLUE-SD221. | OSLON 150 6 Strip Blue 465nm                            | 350                | 3453 lm                          | 13.43                               | 13.45                               |
| IHS-OM06-TRGR-SD221. | OSLON 120 6 Strip True Green 519nm                      | 350                | 1892 lm                          | 8.28                                | 8.28                                |
| IHS-OW06-YELL-SD221. | OSLON 150 6 Strip Yellow 594nm                          | 350                | 1079 lm                          | 5.34                                | 5.34                                |
| IHS-OM06-RDOR-SD221. | OSLON 120 6 Strip Amber 617nm                           | 350                | 3031 lm                          | 15.79                               | 15.79                               |
| IHS-OW06-RED1-SD221. | OSLON 150 6 Strip Red 625nm                             | 350                | 2664 lm                          | 14.04                               | 14.04                               |
| IHS-OM06-HYRE-SD221. | OSLON 120 6 Strip Hyper Red 656nm                       | 350                | 3000 mW                          | 16.36                               | 16.41                               |
| IHS-OM06-FRED-SD221. | OSLON 120 6 Strip Far Red 730nm                         | 350                | 1890 mW                          | 1.57                                | 11.32                               |
| IHS-OW06-HW90-SD221. | OSLON 150 6 Strip Hot White 2700K 90 CRI                | 350                | 1929 lm                          | 8.83                                | 9.62                                |
| IHS-OW06-WM80-SD221. | OSLON 150 6 Strip Warm White 3000K 80 CRI               | 350                | 2523 lm                          | 11.51                               | 12.35                               |
| IHS-OW06-QZ90-SD221. | OSLON 150 6 Strip Quartz White 3500K 90 CRI             | 350                | 2082 lm                          | 9.41                                | 10.08                               |
| IHS-OW06-NW80-SD221. | OSLON 150 6 Strip Neutral White 4000K 80 CRI            | 350                | 2110mW                           | 9.6                                 | 9.95                                |
| IHS-OW06-WH80-SD221. | OSLON 150 6 Strip White 5000K 80 CRI                    | 350                | 2788 lm                          | 12.31                               | 12.85                               |
| IHS-OW06-UL70-SD221. | OSLON 150 6 Strip Ultra White 6500K 70 CRI              | 350                | 2950 lm                          | 12.79                               | 13.14                               |
| IHS-OG06-DEBL-SD221. | OSLON Square 3rd Gen 6 Strip Deep Blue 445nm            | 700                | 7458 mW                          | 28.12                               | 28.16                               |
| IHS-OG06-HYRE-SD221. | OSLON Square 3rd Gen 6 Strip Hyper Red 656nm            | 700                | 5250 mW                          | 28.64                               | 28.72                               |
| IHS-OG06-HW90-SD221. | OSLON Square 3rd Gen 6 Strip Hot White 2700K 90 CRI     | 700                | 3365 lm                          | 15.41                               | 16.78                               |
| IHS-OG06-WM80-SD221. | OSLON Square 3rd Gen 6 Strip Warm White 3000K 80 CRI    | 700                | 4406 lm                          | 20.09                               | 21.56                               |
| IHS-OG06-QZ90-SD221. | OSLON Square 3rd Gen 6 Strip Quartz White 3500K 90 CRI  | 700                | 3643 lm                          | 16.47                               | 17.65                               |
| IHS-OG06-NW80-SD221. | OSLON Square 3rd Gen 6 Strip Neutral White 4000K 80 CRI | 700                | 4520mW                           | 20.58                               | 21.31                               |
| IHS-OG06-WH80-SD221. | OSLON Square 3rd Gen 6 Strip White 5000K 80 CRI         | 700                | 4880 lm                          | 21.55                               | 22.49                               |
| IHS-OG06-UL70-SD221. | OSLON Square 3rd Gen 6 Strip Ultra White 6500K 70 CRI   | 700                | 5172 lm                          | 22.43                               | 23.04                               |

## 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.