



HOPL Light Sensor Working Ranges

The Skye range of High Output Light Sensors (HOPLs) have a built in amplifier which is factory set to the appropriate working range for its particular sensor type.

The tables below show the standard amplification ranges offered, but other ranges to suit a user's own application can often be accommodated upon request, at the time of ordering.

| SENSOR | DESCRIPTION | SENSOR OUTPUT | WORKING RANGE | TYPICAL VALUE ON A SUMMER DAY |
|-----------------------------------|-------------|---------------|--|---|
| Waterproof, voltage output | | | | |
| SKL 2610 | PAR Special | 0-2V | 0-3,000 $\mu\text{mol m}^{-2} \text{s}^{-1}$ | >2,000 $\mu\text{mol m}^{-2} \text{s}^{-1}$ |
| SKL 2620 | PAR Quantum | 0-2V | 0-3,000 $\mu\text{mol m}^{-2} \text{s}^{-1}$ | >2,000 $\mu\text{mol m}^{-2} \text{s}^{-1}$ |
| SKL 2640 | PAR Energy | 0-2V | 0-600 W m^{-2} | >500 W m^{-2} |
| SKL 2630 | Lux | 0-2V | 0-150,000 lux | >100,000 lux |
| SKL 2650 | Pyranometer | 0-2V | 0-1,500 W m^{-2} | >1,100 W m^{-2} |
| SKU 421 | UVA | 0-2V | 0-100 W m^{-2} | >50 W m^{-2} |
| SKU 430 | UVB | 0-2V | 0-10 W m^{-2} | >2 W m^{-2} |

| | | | | |
|-----------------------------------|-------------|---------|--|---|
| Waterproof, current output | | | | |
| SKL 2615 | PAR Special | 4-20 mA | 0-3,000 $\mu\text{mol m}^{-2} \text{s}^{-1}$ | >2,000 $\mu\text{mol m}^{-2} \text{s}^{-1}$ |
| SKL 2625 | PAR Quantum | 4-20 mA | 0-3,000 $\mu\text{mol m}^{-2} \text{s}^{-1}$ | >2,000 $\mu\text{mol m}^{-2} \text{s}^{-1}$ |
| SKL 2645 | PAR Energy | 4-20 mA | 0-600 W m^{-2} | >500 W m^{-2} |
| SKL 2635 | Lux | 4-20 mA | 0-150,000 lux | >100,000 lux |
| SKL 2655 | Pyranometer | 4-20 mA | 0-1,500 W m^{-2} | >1,100 W m^{-2} |
| SKL 2421 | UVA | 4-20 mA | 0-100 W m^{-2} | >50 W m^{-2} |
| SKU 2430 | UVB | 4-20 mA | 0-5 W m^{-2} | >2 W m^{-2} |

| | | | | |
|---------------------------------------|-----------------------------|-------|-------------------------|-----------------------|
| Non-waterproof, voltage output | | | | |
| SKL 315 | Lux | 0-10V | 0-150,000 lux | >100,000 lux |
| SKU 426 | UVA (for all light sources) | 0-10V | 0-100 W m^{-2} | >50 W m^{-2} |
| SKU 435 | UVB | 0-2V | 0-10 W m^{-2} | >2 W m^{-2} |

Power Requirements

| | | | | |
|---------------|----------|----------|-----------|-----------|
| SENSOR OUTPUT | 0-2V | 0-5V | 0-10V | 4-20 mA |
| POWER SUPPLY | 5-15 VDC | 8-15 VDC | 12-15 VDC | 12-36 VDC |