



SINGLE CHANNEL LIGHT SENSORS ~ SPECIFICATIONS ~

	SKP 215	SKL 310/315	SKE 510	SKS 110	SKP 210
Sensitivity - current	1.5 μ A / 100 μ mols m ⁻² s ⁻¹	1.4 μ A/ 10 kLux	7.5 μ A/ 100 W m ⁻²	5 μ A/ 100 W m ⁻²	1 μ A/100 W m ⁻²
Sensitivity - voltage	10 μ V/ 100 μ mol m ⁻² s ⁻¹	10 μ V/ 10 kLux	10 μ V/ 100 W m ⁻²	10 μ V/100 W m ⁻²	10 μ V/ μ mol m ⁻² s ⁻¹
Working range	0.5x10 ⁴ μ mols m ⁻² s ⁻¹	0-500 klx	0-5000 W.m ⁻²	0-5000 W.m ⁻²	0.5x10 ⁴ μ mols m ⁻² s ⁻¹
Linearity error - to above level	<0.2%	<0.2%	<0.2%	<0.2%	<2%
Absolute calibration error	typ. <3% 5% max.	typ. <3% 5% max.	typ. <3% 5% max.	typ.<3% 5% max	typ.<3% 5% max
Response time - voltage output	10ns	10ns	10ns	10ns	10ns
Cosine error	3%	3%	3%	3%	3.00%
Azimuth error	<1%	<1%	<1%	<1%	<1%
Temperature Co- efficient	\pm 0.1%/ $^{\circ}$ C	\pm 0.1%/ $^{\circ}$ C	\pm 0.1%/ $^{\circ}$ C	\pm 0.2%/ $^{\circ}$ C	\pm 0.1%/ $^{\circ}$ C
Internal resistance - voltage output	c.650ohms	c.700ohms	c.130ohms	c.200ohms	c.1000ohms
Longterm stability	\pm 2%	\pm 2%	\pm 2%	\pm 2%	\pm 2%
Material	Acetal	Acetal	Acetal	Acetal	Acetal
Dimensions	34mm diameter 38mm height	34mm diameter 38mm height	34mm diameter 38mm height	34mm diameter 38mm height	34mm diameter 38mm height
Cable	3 core screened 7 - 2 - 3C	3 core screened 7 - 2 - 3C	3 core screened 7 - 2 - 3C	3 core screened 7 - 2 - 3C	3 core screened 7 - 2 - 3C
Waveband Measured	400 - 700 nm PAR Quantum	CIE photopic Curve	400 - 700 nm PAR Energy	300 - 3000 nm	McCree Curve
Detector	Silicon photocell	Silicon photocell	Silicon photocell	Silicon photocell	Silicon photocell
Filters	Glass type and/or metal interference	Glass type and/or metal interference	Glass type and/or metal interference	Glass type and/or metal interference	Glass type and/or metal interference

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