



lightSTUDIO AW Head

Product name	lightSTUDIO AW Head
Principle	lightSTUDIO AW Head is a diffuse light head that allows for the selection of different correlated color temperatures (CCT) and illuminance adjustment. The CCT describes the relative color temperature of a white light source and enables the light spectrum to be adjusted for different applications or visual requirements.
Features	Adjustable color temperature Adjustable illuminance

lightSTUDIO 1AW90 Head

Light intensity*	2 lx – 1800 lx
Adjustable Color Temperature**	3000 Kelvin – 6500 Kelvin
Accessible color temperatures	3000K, 3200K, 3400K, 3600K, 3800K, 4000K, 4200K, 4400K, 4600K, 4800K, 5000K, 5200K, 5400K, 5500K, 5600K, 5800K, 6000K, 6200K, 6500K
CRI	> 90

lightSTUDIO 2AW90 Head

Light intensity*	4 lx – 3600 lx
Adjustable Color Temperature**	3000 Kelvin – 6500 Kelvin
Accessible color temperatures	3000K, 3200K, 3400K, 3600K, 3800K, 4000K, 4200K, 4400K, 4600K, 4800K, 5000K, 5200K, 5400K, 5500K, 5600K, 5800K, 6000K, 6200K, 6500K
CRI	> 90

lightSTUDIO 1AW95 Head

Light intensity*	1.5 lx – 1700 lx
Adjustable Color Temperature**	2700 Kelvin – 6500 Kelvin
Accessible color temperatures	2700K, 2800K, 3000K, 3200K, 3400K, 3600K, 3800K, 4000K, 4200K, 4400K, 4600K, 4800K, 5000K, 5200K, 5400K, 5500K, 5600K, 5800K, 6000K, 6200K, 6500K
CRI	>= 95



lightSTUDIO 2AW95 Head

Light intensity*	3 lx – 3400 lx
Adjustable Color Temperature**	2700 Kelvin – 6500 Kelvin
Accessible color temperatures	2700K, 2800K, 3000K, 3200K, 3400K, 3600K, 3800K, 4000K, 4200K, 4400K, 4600K, 4800K, 5000K, 5200K, 5400K, 5500K, 5600K, 5800K, 6000K, 6200K, 6500K
CRI	>= 95

Software

Requirements	PC with Windows 10 (or higher) USB 2.0 Port
Functionality	<ul style="list-style-type: none"> Adjustable Color Temperature (in K) Adjustable Light intensity (in %) Split function Preset-controlled lighting control
Software	lightSTUDIO Software

For all lightSTUDIO AW Head Variants

Illuminated area (L x W x H)	1250 mm x 750 mm
Response time to changes in illuminance / color temperature	<ul style="list-style-type: none"> Manual control via device's control panel: < 5 ms Remote control from PC: < 120 ms
Stabilization time after changing the illuminance / color temperature	<ul style="list-style-type: none"> Stabilization time of <1.8 seconds per 1% intensity change. Stabilization time is 0 seconds for a change in color temperature.
Operation without PC	<ul style="list-style-type: none"> Storage of up to 25 predefined presets Controllable with switches on the appliance panel
Light source	Image Engineering AW Light Source Technology (AW for Adaptive White)
Homogeneity	> 70%
Dimming function for illuminance	Coarse tuning from 0 - 100% in 1% increments, Fine-tuning with 0.1% steps
Other features	Warm-up, preset-controlled light control, display backlighting controllable via firmware
Lifespan	12.000 Hours
Power supply/consumption	24 VDC, 221 W - External power supply unit (not part of this product) ***
Connectors	1 x USB for software control
Dimensions (depth x width x height)	1380 mm x 805 mm x 180 mm
Weight of device	<ul style="list-style-type: none"> lightSTUDIO AW 1AW90 / 1AW95 → 38 Kg lightSTUDIO AW 2AW90 / 2AW95 → 44 Kg
Operating temperature	19° - 25 °C
Scope of delivery	<ul style="list-style-type: none"> lightSTUDIO AW User Manual lightSTUDIO AW HEAD Power cable + USB-Kabel lightSTUDIO AW – Acceptance protocol lightSTUDIO Software Wooden box
Illumination levels	Illuminance deviation*

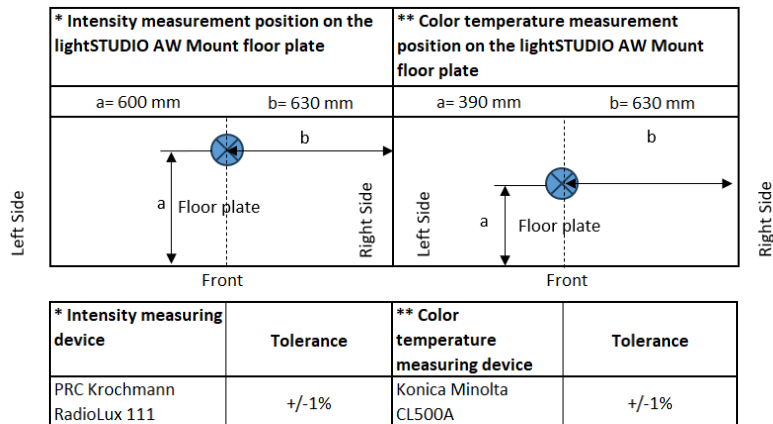


100%-1%	+/- 5%
0,9% - 0,5%	+/- 10%
< 0,5%	> +10% / < -10%

Illumination levels	Color temperature deviation**
100%-2%	+/- 1,5%
1,9% - 1%	+/- 4%
0,9% - 0,5%	+/- 10%
< 0,5%	> +10% / < -10%

Miscellaneous

Terms & Conditions	image-engineering.de/terms-and-conditions
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*** Reference power supply unit: Meanwell GSM220A24-R7B - IN: 100 - 240VAC; OUT: 24 VDC, 9.2A, 221W; Connector KYCON KPPX-4P