Serious Lights Industrial Range – Glossary

The Meaning of Symbols and Expressions

Symbol/Expression	Meaning
Light Source Cap-Type	Light Source Holder
CTLS	Colour Tuneable Light Source
MLS	Mains Operated Light Source
DLS	Directional Light Source
CLS	Connected Light Source
Useful Luminous Flux	The Total Perceived Light Emitted In All Directions By The Light Source
On-Mode Power (Pon)	Power Consumption When Light Is On
Standby Power (Psb)	Power Consumption When Light Is On Standby
Output Power (Pcg)	Power Output From Driver When Light Is On
No-Load Power (Pno)	Power Output From Driver When Light Is Off
Correlated Colour Temperature	How Yellow Or Blue Is The Colour Of The Emitted Light
Colour Rendering Index (CRI)	How Faithful Is The Emitted Light To Daylight (In Term Of Colour Perception)
R9 Colour Rendering Index Value	How Vibrant Are The Reds In The Spectrum
Rf	The Accuracy Of Colour Rendition Compared To Daylight
Rg	The Average Level Of Light Saturation Compared To Daylight
Colour Consistency	How Close/Similar Are The Spectrum Colours In Random Samples Of The Same Model Of Light
Peak Luminous Intensity	How Bright Is The Light In Lux (For The Specified Beam Angle)
Survival Factor	Percentage Of Lights Which Do Not Fail (Out Of Total Number Of Tested Lights); Measured Against The Stated Life Expectancy Of The Light Source.
The Lumen Maintenance Factor	A Measure Of The Light Fading As The Light Source Ages
Flicker Metric	Rate Of Flicker In Hz
Stroboscopic Effect Metric	How The Rate Of Flicker Effects (The Perception Of The Rotation For A) Rotating Or Oscillating Parts.
Displacement Factor	The Percentage Of The Supplied Power That Is Lost Inside The Lightsource When Operating
IP Rating	How Impervious The Luminaire Is To The Ingress Of Dust And Water
	The Driver Can Be replaced By End User
	The Lightsource Cannot Be Replaced By End User
	Energy Classification (A-G)

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ROAM Light Source Specifications

This light series contains; non-mains operating light source (NMLS), Directional Lightsource (DLS) and does not include a Colour Tuneable (CTLS) Lightsource.

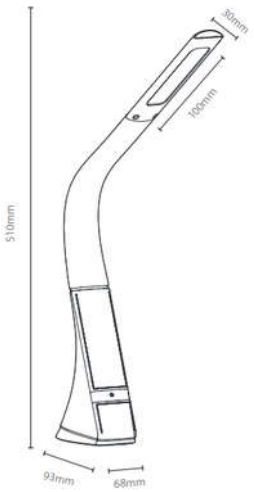
Parameter	Value
Lighting Technology	LED
Light Source Cap-Type	Integrated Light Source
Dimming Functionality	dimmable
Wattage	6.5 W
Energy Efficiency Class	F
Useful Luminous Flux	270 lm
On-Mode Power (P_{on})	6.5 W
Standby Power (P_{sb})	0 W
Correlated Colour Temperature	5000 K
Colour Rendering Index (CRI)	97
R9 Colour Rendering Index Value	97
R_f	94
R_g	99
Beam Angle	107°
Anti-glare shield	Frosted Glass
Survival Factor	1
Lumen Maintenance Factor	0.98
Displacement Factor (cos φ1)	N/A
Colour Consistency	<6 Adam Ellipses
Flicker	N/A
Stroboscopic Effect	N/A
IP Rating	IP20
Light Source Lifetime	40000 hours (Approx)



ROAM
SKU: SR2043

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Examples Of ROMA Dimensions (mm)



ROAM

	Dimensions				Materials	Finishes
Base	*Length:*	*93 mm*	Width:	68 mm	ABS + PE	White
Flexible Arm	*Length*	*510 mm*			Steel + Rubber	Black
Head	*Length*	*100mm*			ABS Plastic	Black

ROAM Series (IP20)

Product	Swivel	light Length		Base Dimension		Driver	Input Voltage
SR2043	No Swivel	100 mm	Width:68 mm	Length:93 mm	Height:510 mm	USB plug	100-240 V

Notes:

- The Lightsource is integrated in the luminaire
- All lights are equipped with Push Button on/off switch.
- To dim the light Press until getting the desired brightness of the 3 settings.

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