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 Can Replaced By End User
	Energy Classification (A-G)

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Compact-Series 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.

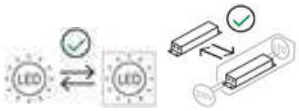
Parameter	Value
Lighting Technology	LED
Light Source Cap-Type	GU10
Dimming Functionality	Non-Dimmable
Wattage	5 W
Energy Efficiency Class	G
Useful Luminous Flux	400 lm
On-Mode Power (P_{on})	5 W
Standby Power (P_{sb})	0 W
Correlated Colour Temperature	3500 K
Colour Rendering Index (CRI)	90
R9 Colour Rendering Index Value	90
Peak Luminous Intensity At 500mm	3400 lx
Beam Angle	24°
Anti-glare shield	Glass
Survival Factor	1
Lumen Maintenance Factor	0.83
Displacement Factor (cos φ1)	N/A
Flicker	N/A
Stroboscopic Effect	N/A
IP Rating	IP20
Input Voltage	100-240v
Light Source Lifetime	30000 hours (Approx)



Compact
Sku: 120006

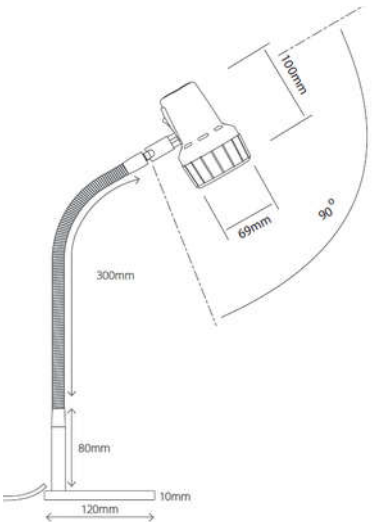


Compact Cordless
SKU: 120009

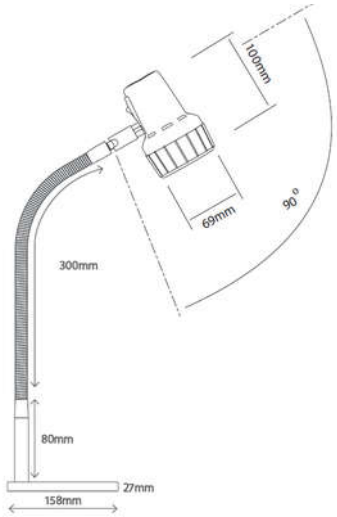


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Examples Of Compact Dimensions (mm)



Compact table light



Cordless Compact table light

		Dimensions			Materials	Finishes
Base	*Length:*	Width: 120 mm	Height: 10 mm		ABS + 1% GF	Black
Flexible Arm	*Length*	*300 mm*	Diameter	13 mm	Flexible Plastic Metal	Black
Head	*Length*	*100mm*	Diameter	69 mm	ABS + 1% GF	Black
Swivel	*Length*	*35 mm*	Diameter	13 mm	Steel	Black

Compact Series

Product	Swivel	Arm Length	Base Dimension		Power	Driver	Input Voltage
12006	90 °	300 mm	Width:120 mm	Height:10 mm	Mains No dimmable	UK plug	100-240 V
12009	90 °	300 mm	Width:120 mm	Height:10 mm	Cordless Dimmable	USB-C UK Plug	100-240 V

Notes:

- The Lightsource is replaceable in the luminaire
- All lights are equipped with a rocker on/off switch.

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