

**Product:**

Fluid precision

w225 lon

Don't let w225 lon's delicate lines deceive you: This is the ultimate result of research, a journey into light technology and mechanical engineering. Behind its understated lines lies a beautifully configurable system of light. Its mechanics centre around a highly sophisticated miniature friction joint with cordless power connection, allowing 360° rotation. From wide-angle workspace illumination to focused bedside reading light, w225 lon is truly designed for versatility – while offering light that is nothing short of exceptional.

Design:

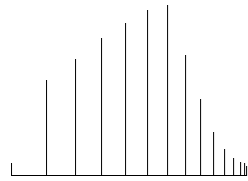
Dirk Winkel, 2022

Features:

Cordless 360° joint
Endless possibilities
Exceptional light technology
Two angles of light
Full-spectrum LED

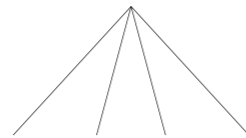
Exceptional light technology

The lighting technology in w225 Ion is the result of a perfect balance between several ingenious components, each playing its own role in delivering exceptionally high-performance illumination. The state-of-the-art full-spectrum COB LED provides absolutely stunning light further refined by a high-quality lens or reflector with prismatic diffuser. A sophisticated heat management system and effective glare protection optimise the lifespan and performance of the LED, while allowing for safe use.



Full-spectrum LED

Designed to recreate the full, uninterrupted colour spectrum of sunlight, full-spectrum light has a rich, profound quality that is impossible to achieve with the limited spectrum of a standard LED. Full-spectrum light also offers superior colour rendering, making it an ideal choice for environments where correct colour perception is a vital aspect.



Two angles of light

Available in two different optical systems, depending on the light you want to create: wide and even, or narrow with a clear-cut spotlight definition.

Cordless 360° joint

The core of w225 Ion's design is its miniature friction joint, the result of dedicated research and development. While akin to the joints used in modern laptops, this solution features a much wider movement range of 360°. Solidly built, it allows for fluid yet exact positioning at any angle – and then stays put, even after countless readjustments.



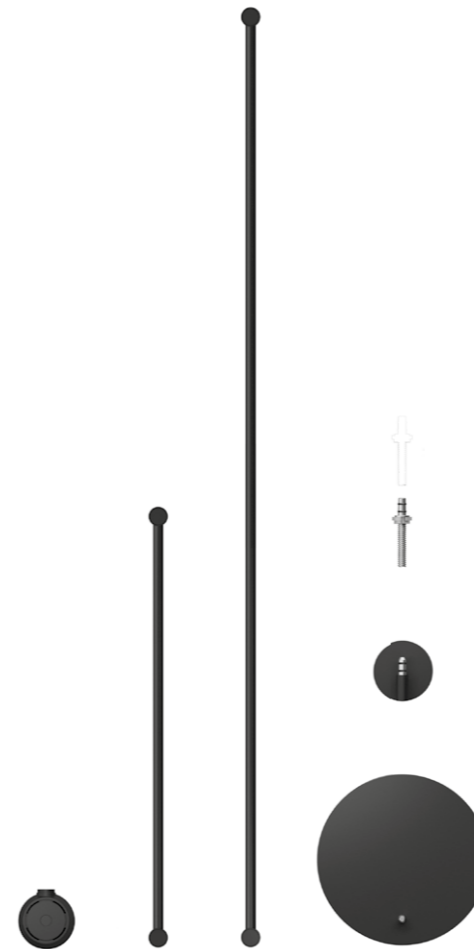
2700 K
3000 K

A choice of two colour temperatures

The light is available in two different colour temperatures – 2700 K or 3000 K.

Endless possibilities

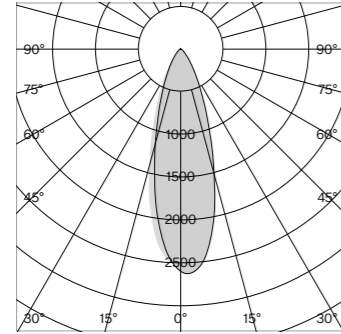
A choice of arms in two different lengths, combined with various mounting options, allows for a wide range of lighting possibilities. Task light or reading light, floor lamp or wall-mounted – it's all up to you. All elements are available in black or white.



Technical information

Luminous intensity distribution (polar)

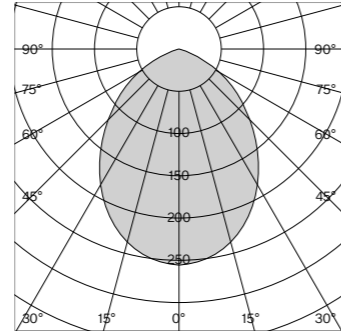
w225 Ion 3000 K narrow
Luminous flux: 574 lm
Efficacy: 70 lm / W



● C0/C180
 ○ C90/C270

cd

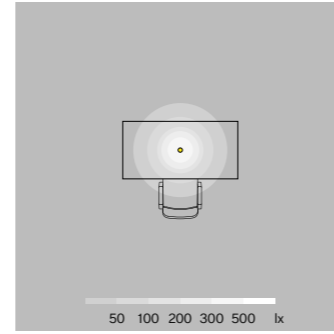
w225 Ion 3000 K wide
Luminous flux: 497 lm
Efficacy: 60 lm / W



● C0/C180
 ○ C90/C270

cd

Light calculation: single workplace
Fixture height: 0.40 m



Calculation surface

Desk dimensions 1.6 × 0.8 m
 Workplace area 0.6 × 0.6 m
 Average illuminance (E_m) 712 lx
 Max. illuminance 1284 lx

Physical	Mounting	Article-specific information
	Material	Lamp body & wall bracket: aluminium Base & pin: steel Reflector & glare shade: polyamide Lens: polycarbonate Diffuser: acrylic
	Colour	Article-specific information
	Operation	Integrated dimmer switch
	Net weight	Article-specific information
	IP rating	20

LED	Light source	COB LED (included)
	Lifetime expectancy	L80 / 50,000 h
	Colour temperature (CCT)	Article-specific information
	Colour rendering index (CRI)	97
	Standard deviation of colour matching	3-step MacAdam
	Replaceable by a professional	

Optics	Lens	Article-specific information
	Reflector	Article-specific information
	Diffuser	Article-specific information
	Glare protection	

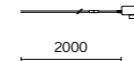
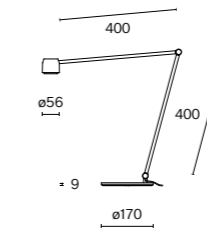
Electronics	System power	8.2 W
	Voltage	100–240 V
	Light control	Dimmable
	Insulation class	III

Available early 2023

Latest technical
information online



w225 Ion b4040



Article-specific information

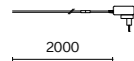
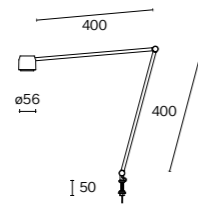
Version	b4040
Mounting	Base
Net weight	1.7 kg
Colour temperature (CCT)	3000 K

Colour	Beam angle / Optics	Art. No.
Traffic white (RAL 9016) ●	Wide / Reflector & diffuser	225B40400230W
Jet black (RAL 9005) ●	Wide / Reflector & diffuser	225B40400530W

Accessories

Narrow / Lens	225-N01
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w225 lon p4040



Article-specific information

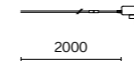
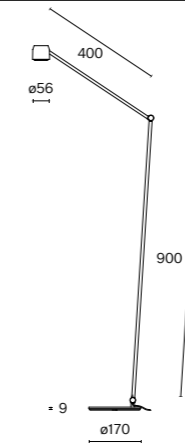
Version	p4040
Mounting	Pin – integrated (hole ø 14 mm)
Net weight	0.3 kg
Colour temperature (CCT)	3000 K

Colour	Beam angle / Optics	Art. No.
Traffic white (RAL 9016) ●	Wide / Reflector & diffuser	225P40400230W
Jet black (RAL 9005) ●	Wide / Reflector & diffuser	225P40400530W

Accessories

Narrow / Lens	225-N01
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w225 lon b9040



Article-specific information

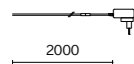
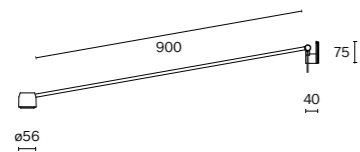
Version	b9040
Mounting	Base
Net weight	1.8 kg

Colour	Colour temperature (CCT)	Beam angle / Optics	Art. No.
Traffic white (RAL 9016) ●	2700 K	Narrow / Lens	225B90400227N
	3000 K	Narrow / Lens	225B90400230N
Jet black (RAL 9005) ●	2700 K	Narrow / Lens	225B90400527N
	3000 K	Narrow / Lens	225B90400530N

Accessories

Wide / Reflector & diffuser	225-W01
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w225 Ion br90



Article-specific information

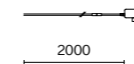
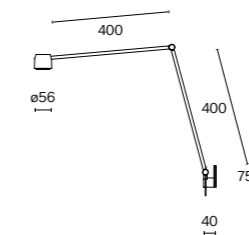
Version	br90
Mounting	Wall bracket
Net weight	0.3 kg
Colour temperature (CCT)	3000 K

Colour	Beam angle / Optics	Art. No.
Traffic white (RAL 9016) <input type="radio"/>	Wide / Reflector & diffuser	225BR900230W
Jet black (RAL 9005) <input checked="" type="radio"/>	Wide / Reflector & diffuser	225BR900530W

Accessories

Narrow / Lens	225-N01
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w225 Ion br4040



Article-specific information

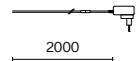
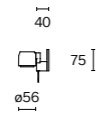
Version	br4040
Mounting	Wall bracket
Net weight	0.4 kg
Colour temperature (CCT)	3000 K

Colour	Beam angle / Optics	Art. No.
Traffic white (RAL 9016) <input type="radio"/>	Wide / Reflector & diffuser	225BR40400230W
Jet black (RAL 9005) <input checked="" type="radio"/>	Wide / Reflector & diffuser	225BR40400530W

Accessories

Narrow / Lens	225-N01
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w225 lon br0



Article-specific information

Version	br0
Mounting	Wall bracket
Net weight	0.2 kg

Colour	Colour temperature (CCT)	Beam angle / Optics	Art. No.
Traffic white (RAL 9016)	2700 K	Narrow / Lens	225BR00227N
	3000 K	Narrow / Lens	225BR00230N
Jet black (RAL 9005)	2700 K	Narrow / Lens	225BR00527N
	3000 K	Narrow / Lens	225BR00530N

Accessories

Wide / Reflector & diffuser	225-W01
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