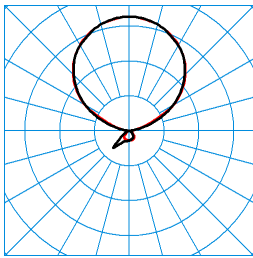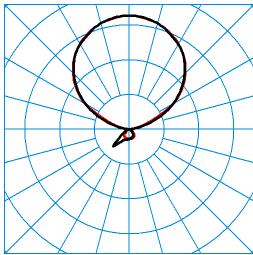## Product features and key data

Luminaire type	Exclusive free-standing LED luminaire with 2 separately controllable luminaire heads, direct and indirect distribution.
Mounting method	Positioning
Luminaire optic	With its wide, slightly asymmetric light distribution, the direct component of the luminaire provides very uniform illumination of the desk surface. The indirect component with Lambertian light distribution provides optimum room illumination.
Connected load	220 W
Colour temperature	3.000 K
Rated luminous flux	30.600 lm
Luminous efficacy	139 lm/W
Interchangeability lightsource	Yes - interchangeable
Service life	L80 (25 °C) = 50.000 h
Colour rendering index	80
Colour tolerance	3 SDCM
Photobiological class	Group 0 - no risk
Luminaire colour	RAL9016 Traffic white
Luminaire body	Luminaire body made of extruded aluminium profile and die-cast aluminium. U-shaped luminaire base.
Electrical version	With electronic control gear unit, dimmable (integrated).
Connection method	Mains plug
Dimming range	1 - 100 %
Mains frequency	50/60 Hz
Mains voltage	220 - 240 V
Total harmonic distortion < %	14 %
Ingress Protection (IP) rating	IP20
Protection rating on room side	IP20
Protection class	I
Impact resistance (IK)	IK02
Hot wire resistance	650 °C
Ambient temperature	25 °C
Max. Luminaires B10	7
Max. Luminaires B16	12
Max. Luminaires C10	12
Max. Luminaires C16	20
Net length	710 mm
Net width	1.080 mm
Net height	2.000 mm
Weight	25,2 kg

All technical data including details of weight and dimensions have been compiled with all due care. Errors excepted. Product illustrations serve as examples and may differ from the original. We reserve the right to make alterations in the interest of improving our products.

light distribution curve

LuceoS S-U SMC PAW-IL 300-830 ETDI 01 (LEO1)
TX369848

■ C0 - C180
■ C90 - C270

DIN 5040: E03
UTE: 0,08 D + 0,91 T
CEN Flux Code: 53 86 96 8 100 49 82 98 92

LuceoS S-U SMC PAW-IL 300-830 ETDI 01 (LEO2)
TX369225

■ C0 - C180
■ C90 - C270

DIN 5040: E03
UTE: 0,08 D + 0,91 T
CEN Flux Code: 53 86 96 8 100 49 82 98 92

Offer text

Exclusive free-standing LED luminaire with 2 separately controllable luminaire heads, direct and indirect distribution. For standard-compliant illumination of opposite twin workstations, especially if they are partitioned off by protective panels. In terms of design and photometric properties, the free-standing luminaire harmonises with suspended and surface-mounted luminaires as well as other free-standing luminaire versions in the project. The luminaire is delivered in 4 packages to protect the individual components. With its wide, slightly asymmetric light distribution, the direct component of the luminaire provides very uniform illumination of the desk surface. The indirect component with Lambertian light distribution provides optimum room illumination. Glare evaluation according to UGR rating (EN 12464-1) < 16. VDU workstation-compliant in accordance with 12464-1 Luminaire luminous flux 30600 lm, connected load 220,00 W, luminous efficiency of luminaire 139 lm/W. Light colour warm white, correlated colour temperature (CCT) 3000 K, general colour rendering index (CRI) R $_a$ > 80. Colour locus tolerance (initial MacAdam) ≤ 3 SDCM, Mean rated service life L80(t $_q$ 25 °C) = 50,000 h. The light source is replaceable according to the ecodesign requirements (VO (EU) 2019/2020). Luminaire body made of extruded aluminium profile and die-cast aluminium. U-shaped luminaire base. Surface powder-coated with smooth finish, colour white (RAL 9016). Further colours available on request. Luminaire height: 2000 mm, Length / width of base: 550 mm / 550 mm, Length / width of luminaire head: 1080 mm x 710 mm, High luminaire head: 23 mm. Supporting column dimensions: 80 mm x 80 mm. Safety class (EN 61140): I, protection rating (DIN EN 60529): IP20, impact resistance level in accordance with IEC 62262: IK02, testing temperature of wire glow test in accordance with IEC 60695-2-11: 650 °C. Weight: 25,2 kg. Connection via flexible connection cable 3 x 1 mm ^{2} (safety plug and C14 cold-device socket), length approx. 3000 mm. Alternative connector types available: Connection plug type J SEV, Switzerland, Connection plug type BS, British Standard 1363. With connection cable. With electronic control gear unit, dimmable (integrated). The control gear unit is replaceable in accordance with the ecodesign requirements (VO (EU) 2019/2020). With Smart Connect equipment for combination with a LiveLink Lightgrid Controller. The luminaire features an integrated daylight- and HF presence sensor with motion direction detection. Smart Connect versions of desktop luminaires in a room can be connected via Bluetooth to form an interactive group of luminaires. The initial detection of movement by any luminaire within the group causes all group devices to switch on at basic lighting level (approx. 300 lx, indirect component). Subsequent detection in the close range of a luminaire triggers this into workplace mode by switching on of the direct component. Parameterisation of the Smart Connect functions is password-protected using a smartphone and an app. Operating the lighting functions is implemented manually via 3 operating elements and via Smartphone app. Communication between the connected luminaires and the smartphone is via Bluetooth Low Energy v 5.0. Single luminaires as well as luminaire groups can be controlled with up to 4 battery-free and wireless radio buttons, which are available as separately ordered accessories. The luminaire complies with the fundamental requirements of applicable EU regulations and product safety legislation and bears the CE symbol.