

Designed for...

NORDEON 

STABILITY

SWEA

LED high bay luminaire





New. Innovative. And yet experienced.

Nordeon is a new, innovative European manufacturer of LED luminaires and lamps with over 60 years of experience. Nordeon was founded in October 2012 with the acquisition of the Philips development and manufacturing facility in Springe, Germany and expanded in December 2012 by the acquisition of the Philips production site for fluorescent lamps in Chalon sur Saône, France.

We combine the experience of professional engineering of LED luminaires with the speed and flexibility of a newcomer. We have one of the largest LED manufacturing facilities in Europe, with latest industrial equipment and lean production processes. We strive to achieve high energy savings for our customers by rethinking the way lighting products are developed, produced, and sold. Our mission is two years payback time, always with German Quality!

Nordeon. A member of the Nordeon Group



Nordeon LED luminaire development and manufacturing site in Springe, Germany



Nordeon lamp production site in Chalon sur Saône, France



MADE IN GERMANY

Smooth, clean and extremely robust

The robust LED high bay luminaire is designed for use in trade and industry, also hygienic use in the food industry (HACCP). Due to their robust condition (IK10), it is also ideal for use in sports halls. For the high quality product „Made in Germany“ we offer the warranty of 5 years.

Due to the use of Swea, with a luminous efficacy of up to 120 lm / W customers benefit from significant energy savings of about 50% compared to conventional lighting. Integrated motion sensors and daylight-dependent controls can achieve total energy savings of 70% or more. Thereby Swea protects both: the environment and the wallet.

Swea the Norse name for Bright, is a highlight in any kind of halls in a new light.

Versatility of use

■ Industry & Commerce

Swea offers the Nordeon´s unique 2 years payback time versus conventional luminaires due to top efficacy, up to 120 lm/W at attractive price

■ Food processing industry

- Splinter protection pane and an all-round easy cleaning
- HACCP tested

■ Sports facilities

- Ballproof characteristics for a standard-compliant lighting in sports facilities

■ Certified Quality

- Made in Germany in one of the largest production sites for professional LED luminaires in
- Europe ISO 9001 and DIN 14001 certified
- High quality components of well-known European suppliers with 40.000 hours lifetime
- ENEC10, VDE (in preparation), CE
- For ambient temperatures between -35°C and +45°C
- Color rendering $R_a > 80$, applicable for indoor working places



Versatile, smooth and extremely robust

The industrial working environment constitutes special challenges for lighting solutions. Mechanical influences such as shocks, dirt, high temperatures and humidity can occur in this case. SWEA is ideally equipped for these conditions. Due to the smooth sides all round and the innovative thermal management without external cooling fins Swea prevents dust accumulation and thus guarantees a very easy cleaning and maximum hygiene. This saves additional maintenance time and costs.

The protection against contamination of products in the food industry takes top priority. Thanks to the impact-resistant plastic pane (IK10), Swea rules out the risk of splitting completely

With certified ballproof characteristics Swea is also ideally suited for use in sports facilities. In addition, the LED high bay luminaire ensures a color rendering $Ra > 80$ for a standard-compliant lighting in nearly all operating sites. Depending on the demand there are four application-optimized light distributions available that are suitable for different ambient temperatures between -35°C and $+45^{\circ}\text{C}$.



Saving potential

Maximum energy efficiency, very short payback time

Swea as LED high bay luminaire provides direct lighting replacement for conventional lamps, an energy savings potential of up to 50% with a payback period of only 2 years. In combination with a daylight and presence-dependent regulation a saving of 70% or more is possible.

Thanks to the use of high-quality LED modules and LED drivers, Swea is maintenance free with an average lifetime of 50.000 hours at a flux decrease of 30%.

Hall (4800 m ²)	Nordeon Swea 14000 lm DALI	conv. Leuchte 4/54 W (T5)	conv. Leuchte HPL 400W
Number of luminaires	143	132	104
Luminous flux (luminaire)	14000 lm	14774 lm	17424 lm
Power	117 W	236 W	420 W
Connected load	16731 W	31152 W	43680 W
Specific connected load	3,49 W/m ² = 1,03 W/m ² /100lx	6,49 W/m ² = 2,03 W/m ² /100lx	9,10 W/m ² = 2,85 W/m ² /100lx

Calculation based on: Room: 4800m²; high of the working plane: 0,85 m; surrounding area: 0,0 m

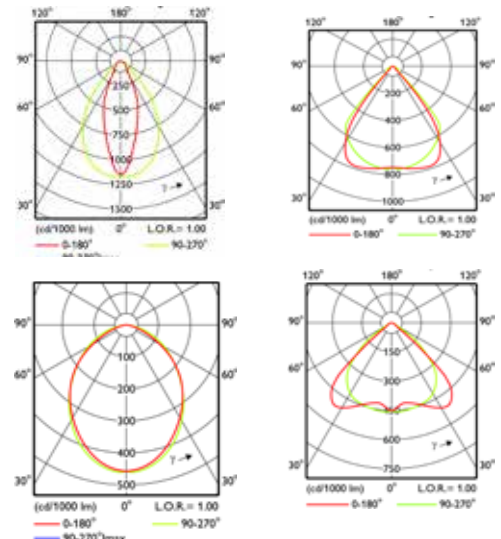
Specifications

Luminous efficacy (lm/W)	up to 120 lm/W on system level
LED module	Mid-Power LED boards (1-Row) bis zu 160 lm/W
Light color	4000 K neutral white ; 3000 K warm white und 5000K cold white on request
Luminous flux (luminaire)	max. 14.000 lm
System power	max. 135 W
Color rendering	Ra > 80
LED driver	Philips Xitanium 150 W; non-dim or DALI; DC suitable
Optic	narrow beam; medium beam; wide beam; opal
Cover	PMMA, PC, ESG (clear tempered safety glass)
Material and color	anodised aluminium housing
Lifetime	50.000 hours at a flux decrease of 30%
Certificates	ENEC10, VDE (in preparation); CE
Impact resistance	IK10 (PC & ESG) IK07 (PMMA)
Protection class	I
Protection level	IP65
Weight	7,5 kg

Integrated lighting controls available on request

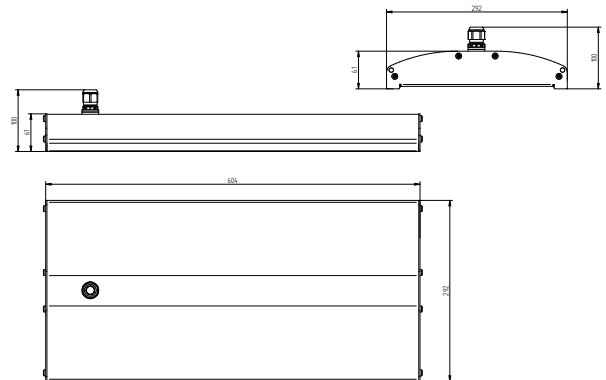


LIGHT DISTRIBUTION



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DIMENSIONS





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