

NORDEON 

Designed to...

ENDURE



VIKING

IP65 LED 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

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Nordeon LED luminaire development and manufacturing site in Springe, Germany Nordeon lamp production site in Chalon sur Saône, France

The long-standing amongst the LED luminaires

The product name Viking derives from the extremely seaworthy Norsemen of Scandinavia, who succeeded already in their time due to their incredible strength and robustness to travel half the world. The Viking IP65 LED luminaire is an extremely durable product, developed for use in harsh conditions, with the high quality standards of a product „Made in Germany“.

Besides the guarantee of 2 years we offer additional extensive warranty options. The housing consists of a robust base made of fiberglass reinforced polyester and a cover of clear polymethyl methacrylate (PMMA) or optionally from impact-resistant polycarbonate (PC). The seamless polyurethane sealing, the quick release fasteners and mounting brackets from stainless steel ensure a long-term compliance with protection class IP65 (dust proof and protected against water jets).

VIKING IP65 LED luminaire - Top efficacy, up to 130 lm/W

- Viking offers Nordeon's unique 2 years payback time versus conventional TL luminaires due to top efficacy of up to 130 lm/W at attractive prices
- 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, LED components with 50.000 hours lifetime
 - ENEC10, VDE, CE
- Wide beam lighting distribution for parking garages and industry, norm compliant $UGR_{r,22}$; clear cover for best efficacy, opal cover for less glare and 10% indirect light
- INOX mounting brackets and clips, PMMA or PC cover available
- Through wiring is possible, a second cable gland is optional.



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■ Light distribution

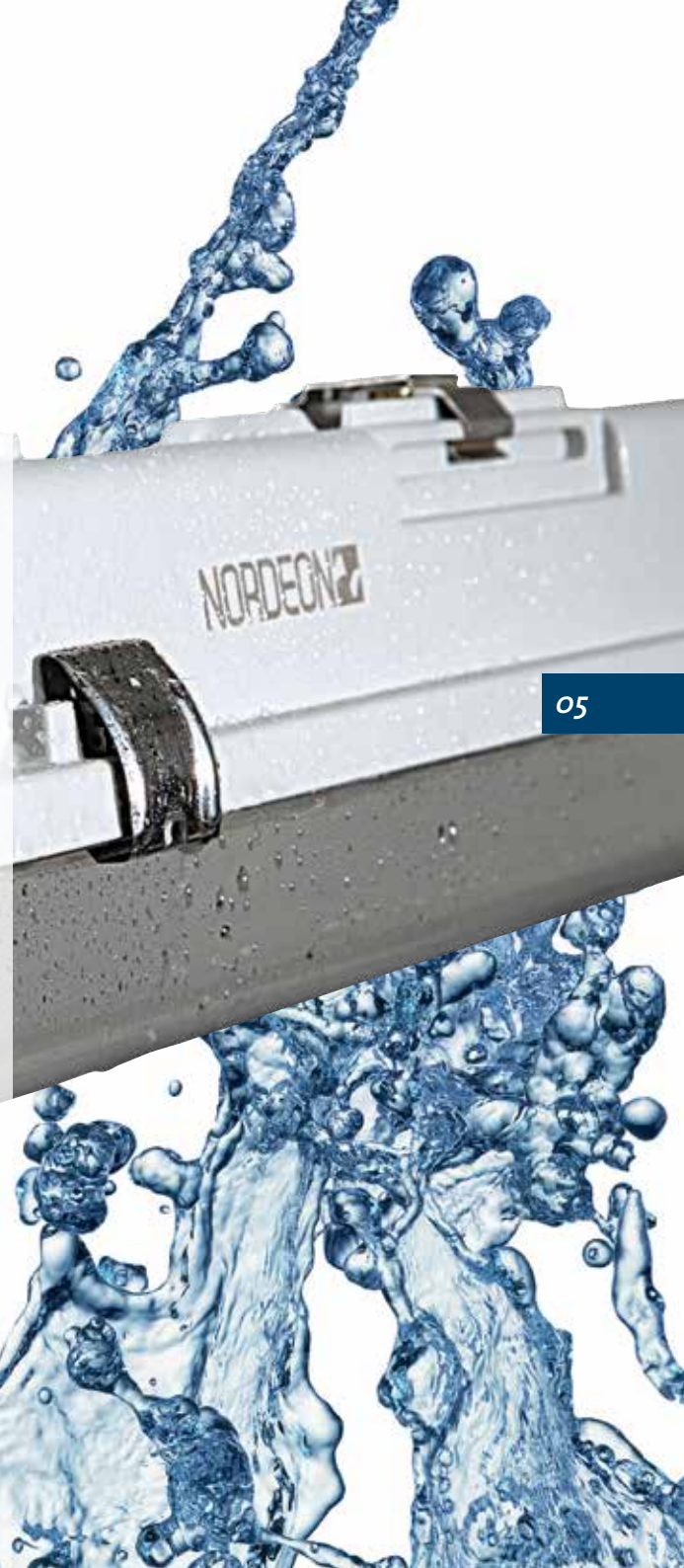
The Viking IP65 LED luminaire is equipped with specially developed, highly efficient lens system. The wide-angle lens optics in combination with a clear cover ensures an optimized light distribution for industrial and parking garages. The opal cover is particularly suitable for comfort lighting with low luminance and brings 10% indirect light to the ceiling. The narrow beam lens optic provides a perfect usability for areas here to be illuminated from great heights.

■ Fast installation

The Viking IP65 LED luminaire is delivered fully assembled. To install it you simply need to click the luminaire in the supplied stainless mounting brackets. By simply opening the quick release fasteners the electrical connection can be realized very quickly.

Ease of maintenance

■ Nordeon uses not only efficient, but also very durable Philips Fortimo LED boards in combination with Philips Xitanium drivers. Along with a specially designed heat management, the failure rate remains remarkably low. The average lifetime of the LEDs is 50,000 burning hours at 20% flux decrease. For this reason, the Nordeon Viking IP65 rightly bears the title of a maintenance free luminaire.



Application

The Nordeon Viking IP65 LED luminaire is suitable for the following applications:
Interiors, covered, semi-open areas such as parking grids and car parks, industrial applications, basements, dusty and damp interiors.

Parking garage	previous conv. fluo luminaire	after Nordeon Viking	savings
Number of luminaires	356 pieces	356 pieces	-
Connected load	27,7 kW	16,6 kW	11,1 kW
Energy costs / year*	35.500 €	20.990 €	14.510 €
Maintenance / year**	2.136 €	-	2.136 €
CO₂ Emission / year	131 tons	77,4 tons	53,6 tons

*kW/h = 16 ct at 8.000 burning hours

**5 year periode; 2 x relamping incl. lamps = 15 Euro | CO₂ calculation according to: www.iwr.de

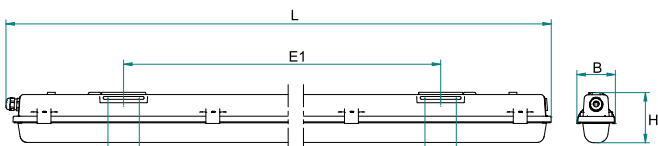


Specifications

Luminous efficacy (lm/W)	up to 130 lm/W on system level
LED module	Philips Fortimo LED Line 1R up to 139 lm/W
Light colour	4000 K neutral-white or 3000 K warm-white (on request)
Luminous flux (luminaire)	approx. 2000 lm / 4000 lm / 5000 lm
System usage	approx. 21 W / 36 W / 44 W
Colour rendering	Ra > 80
LED driver	Philips Xitanium 75W; standard or DALI; DC suitable
Optic	wide- or narrow beam precision lens optic, clear or opal cover from PMMA or PC
Material and colour	glass fibre reinforced polyester
Lifetime	50.000 hours at a flux decrease of 20%
Certificates	ENEC 10, VDE; CE; photobiological safety DIN EN 62471
Protection class	I
Protection level	IP65
Impact resistance	PMMA: IK 02; PC: IK 08
Operating temperature	-20°C up to +35°C
Weight	0,6 m: 1,5 kg; 1,2 m: 2,5 kg; 1,5 m: 3,1 kg

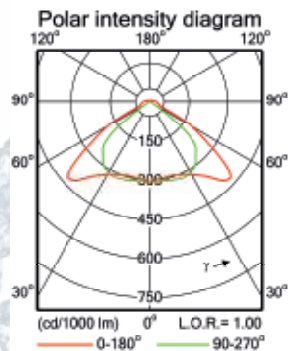
Lighting controls and emergency lighting (EL1/EL3) available

DIMENSIONS

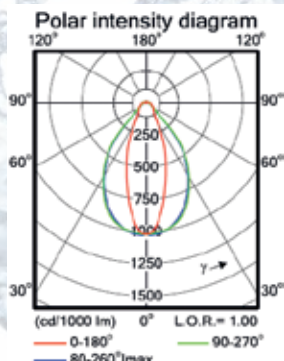


Wattage	L	E1	B	H
ca. 21 W	678	-	80	105
ca. 36 W	1234	760 ± 65	80	105
ca. 40 W	1534	1060 ± 65	80	105

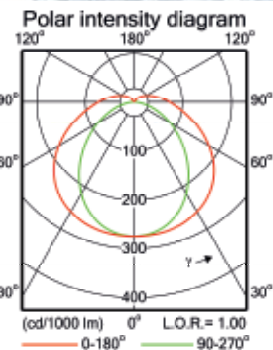
LIGHT DISTRIBUTION WIDE BEAM



NARROW BEAM



OPAL COVER





Nordeon GmbH
Rathenaustraße 2-6
31832 Springe | Germany
Tel: +49 (0) 5041 75-100
sales@nordeon.com | www.nordeon.com

