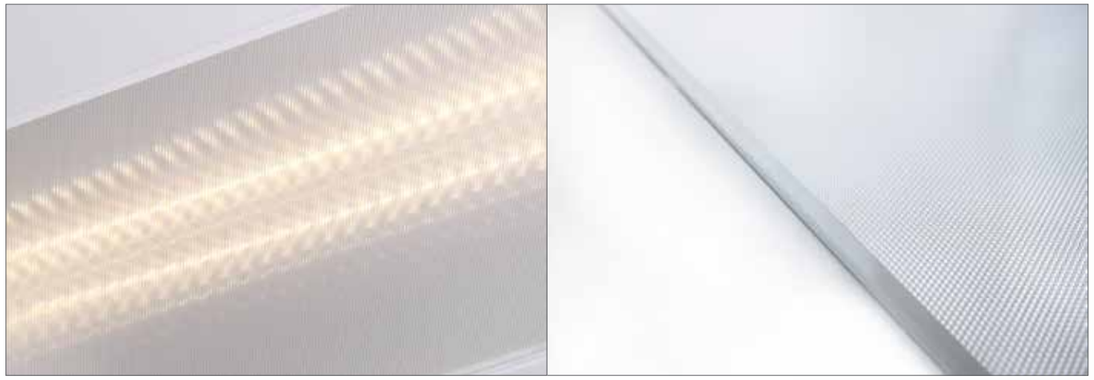

Highlights – Idun LED recessed luminaire:

- 2 years pay-back time versus conventional TL indoor luminaires due to top efficacy, up to 102 lm/W and an attractive price

- 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 50.000h life time
  - ENEC10, VDE, CE

- Optimized lighting performance up to 4000 lm, several variants fulfill the office lighting standard EN 12464-1 for computer monitor workplaces

- Easy lay-in fitting and multiple electrical connector (push-in clamp or Linect® plug system)

- Low installation height of 38mm only

NORDEON

LED TECHNOLOGY

About Nordeon

The Nordeon group is a new, innovative European manufacturer of luminaires and lamps with over 100 years of experience:

The Nordeon group was founded in October 2012 with the acquisition of the Philips development and production facility in Springe, Germany and expanded in December by the acquisition of the Philips production facility for fluorescent lamps in Chalon sur Saône, France. The company continued to expand in April 2013 with the acquisition of the Vulkan GmbH, founded in 1898. In Oktober 2013 the Hess GmbH Licht + Form also became a part of the Nordeon group.

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NORDEON

Nordeon luminaire production site in Springe, Germany

Nordeon lamp production site in Chalon sur Saône Cedex, France

LED-recessed luminaire for system ceilings

Made in Germany

IDUN

The IDUN recessed luminaire is a quality product “Made in Germany” which is specifically designed for ceilings with exposed T-bar profiles. Besides the guarantee of 2 years we offer additional extensive warranty options. The name IDUN, in the nordic mythology the goddess of youth and immortality, perfectly matches this luminaire with its latest LED-technology. With its sparkling light image and its long lifetime, it is the fountain of youth for each renovation project.

A breakthrough in energy-efficiency and payback time

In areas where old luminaires with fluorescent lamps will be replaced, the IDUN recommends as a highly efficient LED alternative with an energy saving potential of up to 40% and a payback time of only two years. In combination with lighting control system more than 60% of energy saving is possible. In many cases even up to 20% less luminaires can be used at the same illuminance. The IDUN has, due to the use of high-quality Philips Fortimo LED Modules and Philips Xitanium Drivers, a lifetime of up to 50.000 hours at a flux decrease of 30% and is therefore maintenance free.

High lumen output at a high lighting comfort

These two criteria are not contradictory in this case. Although the IDUN has a wide beam characteristic at an luminaire efficacy of up to 103 lm/W and a luminiare luminous flux of up to 4.050 lm, certain variants still meet the requirements of DIN EN 12464-1 for workplaces. Presence detection and daylight dependent dimming can be easily implemented with the DALI versions.

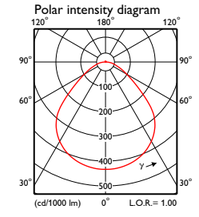
Fast installation

IDUN luminiaires have an externally accessible, reverse-polarity protected Linect® connector with strain relief. This connector is compatible with all major systems, but can also be connected in the conventional way. This results not only in short delivery times, but thanks to plug-and-play in significantly reduced installation costs.

Specifications

LED-module	Philips Fortimo LED Line 1R
Ceiling-type	For ceilings with exposed T-profiles
Lightcolour	4000 K neutral-white, or 3000 K warm-white
Luminous flux (luminaire)	max. 4050 lm
System power	max. 40,5 W
Lm/W	up to 103 lm/W
Colour rendering	Ra > 80
LED-driver	Philips Xitanium 75 W; Standard and DALI; DC suitable
Optic	prismatic diffuser from PMMA or PC; Versions with additional opal diffuser for lower luminance on request
Material and colour	white laquered steel
Lifetime	50.000 hours at a flux decrease of 30%
Certificates	CE; ENEC
Lighting requirements	DIN EN 12464-1 Lighting of workplaces; $UGR_R \leq 19$ DIN EN 62471 Photobiological safety
Protection class	I
Protection level	visible surface: IP40 / ceiling side: IP20
Weight	Module 600: 4,2 kg; Module 625: 4,4 kg

Light distribution



Application

The following applications are ideal to use Idun LED luminaires for a 1:1 replacement of luminaires with conventional lamps, leading to significant savings in energy- and maintenance costs:

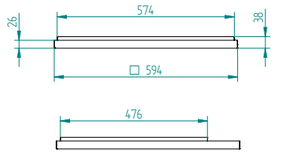
General lighting in open areas, such as in waiting rooms, hallways, cafeterias, meeting rooms and offices, as well as classrooms.

Classroom (100 m²)	**Nordeon Idun 4000 lm DALI**	**fluo luminaire 4/14 W (T5)**	**fluo luminaire 4/18 W (T8)**
Number of luminaires	16	20	20
Luminous flux (luminaire)	4052 lm	3253 lm	3269 lm
Power	40,5 W	56 W	86 W
Connected load	648 W	1120 W	1720 W
Specific connected load	6,48 W/m² = 1,22 W/m²/100lx	11,2 W/m² = 2,08 W/m²/100lx	17,2 W/m² = 3,08 W/m²/100lx

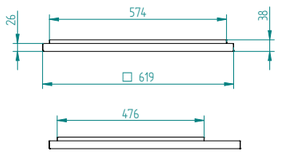
Calculation based on: Room: 100 m²; hight of the working plane: 0,85 m; surrounding area: 0,5 m

Dimension sketch

Module 600



Module 625



Versions in preparation:
1200 x 300 mm
1250 x 312,5 mm