



# LuxSpace PoE – Intelligent energy- saving luminaire enabled for connected lighting systems

## LuxSpace PoE

With Power-over-Ethernet (PoE) technology, LuxSpace PoE receives power and data over a single standard Ethernet cable, eliminating the need for separate power cabling. With the simple click of a connector, LuxSpace PoE luminaires become part of a complete, integrated connected lighting system, delivering extraordinary illumination experiences and value beyond illumination. A built-in lighting and control system gives office users personal control over their preferred light settings via a specially designed smartphone app. With integrated sensors, LuxSpace PoE luminaires can track activity patterns, daylight levels, and in the near future humidity, CO<sub>2</sub>, temperature, or other data. This data allows facility managers to gain deep insight into building operations, helping them optimize the delivery of resources, enhance the experience and performance of occupants, and support improved asset management.

### Benefits

- LED lighting and control system with breakthrough Total Cost of Ownership, reducing installation costs by around 25% and commissioning costs by around 50%
- Software applications optimize working processes, comfort, and asset utilization and management
- Clear customer benefits in both the construction and usage phases of a building

## Features

- Data gathering on building usage via luminaire sensors
- Personal control of lighting and temperature settings
- Simpler and cheaper installation and lighting commissioning

## Application

- General lighting for office buildings

## Specifications

<b>Type</b>	DN560B (low-height version) DN570B (low-height version) DN572B (Square version)
<b>Ceiling type</b>	Plaster (board) ceiling
<b>Light source</b>	Non-replaceable LED module
<b>Power</b>	8.7 to 20 W (depending on configuration)
<b>Luminous flux</b>	1,200 to 2,600 lm (depending on configuration)
<b>Correlated Colour Temperature</b>	3,000 and 4,000 K
<b>Colour Rendering Index</b>	> 80
<b>Lumen maintenance at median useful life*</b>	L90 50,000 h
<b>Control gear failure rate at median useful life</b>	5% 50,000 h
<b>Performance Ambient Temperature Tq</b>	+25 °C

<b>Operating temperature range</b>	+10 to +40 °C
<b>Driver</b>	Separate
<b>Power/Data supply</b>	PoE (Power over Ethernet) driver
<b>Mains voltage</b>	54 V (PoE switch)
<b>Dimming</b>	Via PoE controller
<b>Control system input</b>	PoE controller
<b>Options</b>	Rimless version for plaster ceilings
<b>Material</b>	Housing and rim: aluminium Reflector: plastic, with aluminium-coated high-gloss and faceted optics
<b>Colour</b>	Rim: white (RAL 9003), grey (RAL 9006), black (RAL 9004)
<b>Optic</b>	High-gloss mirror (C) Faceted reflector (F)
<b>Connection</b>	PoE connector CAT cable
<b>Installation</b>	Fixed with spring fasteners
<b>Remarks</b>	External driver included

## Versions



