



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, CO₂, 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

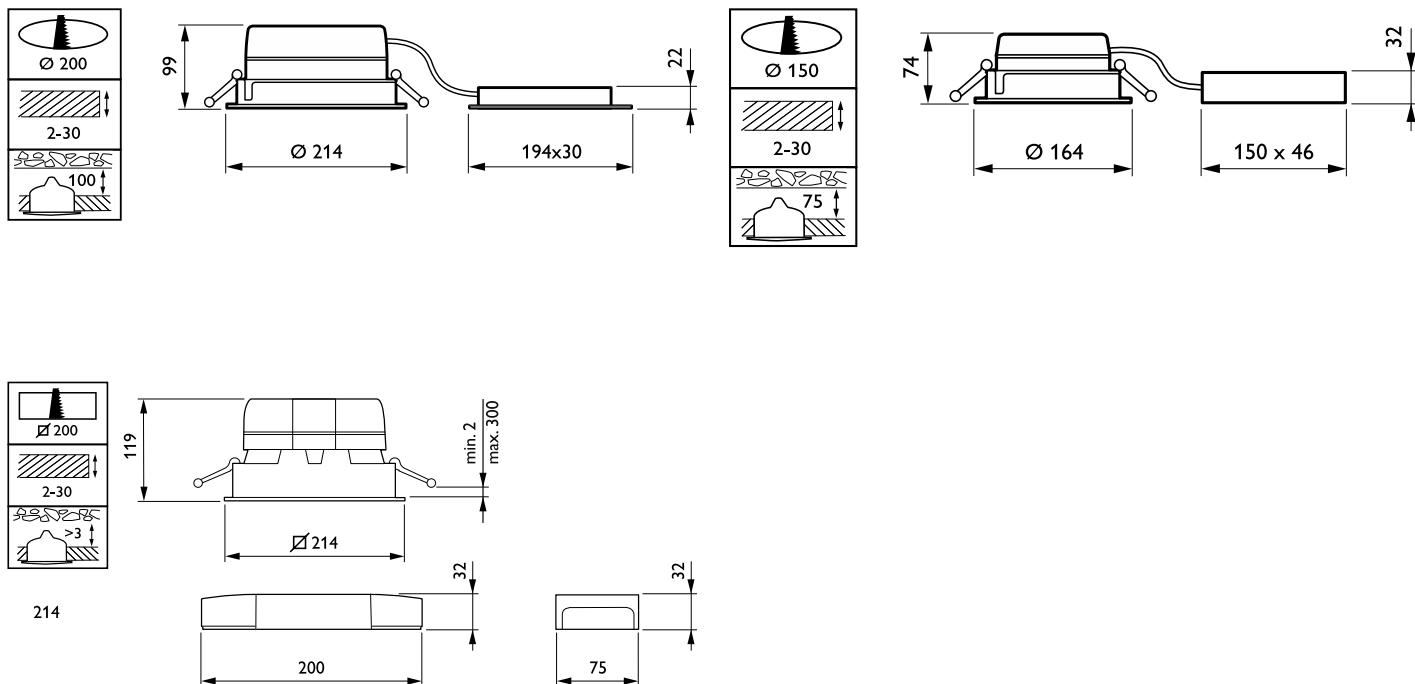
Application

- General lighting for office buildings

Versions



Dimensional drawing



General Information	
CE mark	Yes
Driver included	Yes
ENEC mark	-
Flammability mark	For mounting on normally flammable surfaces
Glow-wire test	Temperature 850 °C, duration 5 s
Light source replaceable	No
Number of gear units	1 unit
Service tag	Yes
Light Technical	
Color rendering index (CRI)	>80
Optic type	-
Operating and Electrical	
Input Voltage	48 to 54 V
Line Frequency	50 to 60 Hz
Temperature	
Ambient temperature range	+10 to +25 °C
Controls and Dimming	
Dimmable	Yes
Mechanical and Housing	
Housing Color	White
Approval and Application	
Protection class IEC	Safety class II
Mech. impact protection code	IK02
Ingress protection code	IP20
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Application Conditions	
Maximum dim level	1%
Suitable for random switching	Yes

General Information

Order Code	Full Product Name	Product family code
910505100929	DN560B LED12S/830 POE-E C WH	DN560B
910505100930	DN560B LED12S/840 POE-E C WH	DN560B
910505100939	DN572B LED20S/830 POE-E C WH	DN572B
910505100940	DN572B LED20S/840 POE-E C WH	DN572B
910505100941	DN572B LED24S/830 POE-E C WH	DN572B
910505100942	DN572B LED24S/840 POE-E C WH	DN572B
910505100931	DN570B LED20S/830 POE-E C WH	DN570B
910505100932	DN570B LED20S/840 POE-E C WH	DN570B
910505100935	DN570B LED24S/830 POE-E C WH	DN570B
910505100936	DN570B LED24S/840 POE-E C WH	DN570B
910505100933	DN571B LED20S/830 POE-E C WH	DN571B
910505100934	DN571B LED20S/840 POE-E C WH	DN571B
910505100937	DN571B LED24S/830 POE-E C WH	DN571B
910505100938	DN571B LED24S/840 POE-E C WH	DN571B

Light Technical

Order Code	Full Product Name	Correlated Color Temperature	Luminous Efficacy (rated)	Luminous
		(Nom)	(Nom)	Flux
910505100929	DN560B LED12S/830 POE-E C WH	3000 K	127 lm/W	1,350 lm

Order Code	Full Product Name	Correlated Color Temperature	Luminous Efficacy (rated)	Luminous
		(Nom)	(Nom)	Flux
910505100930	DN560B LED12S/840 POE-E C WH	4000 K	138 lm/W	1,350 lm

Order Code	Full Product Name	Correlated Color	Luminous	Luminous
		Temperature (Nom)	Efficacy (rated) (Nom)	
910505100939	DN572B LED20S/830 POE-E C WH	3000 K	134 lm/W	2,200 lm
910505100940	DN572B LED20S/840 POE-E C WH	4000 K	149 lm/W	2,200 lm
910505100941	DN572B LED24S/830 POE-E C WH	3000 K	130 lm/W	2,600 lm
910505100942	DN572B LED24S/840 POE-E C WH	4000 K	141 lm/W	2,600 lm
910505100931	DN570B LED20S/830 POE-E C WH	3000 K	134 lm/W	2,200 lm
910505100932	DN570B LED20S/840 POE-E C WH	4000 K	149 lm/W	2,200 lm

Operating and Electrical

Order Code	Full Product Name	Power Consumption
910505100929	DN560B LED12S/830 POE-E C WH	10.6 W
910505100930	DN560B LED12S/840 POE-E C WH	9.8 W
910505100939	DN572B LED20S/830 POE-E C WH	16.4 W
910505100940	DN572B LED20S/840 POE-E C WH	14.8 W
910505100941	DN572B LED24S/830 POE-E C WH	20 W
910505100942	DN572B LED24S/840 POE-E C WH	18.4 W
910505100931	DN570B LED20S/830 POE-E C WH	16.4 W

Initial Performance (IEC Compliant)

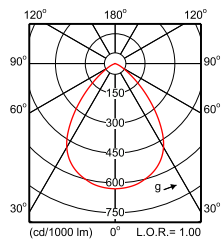
Order Code	Full Product Name	Initial chromaticity
910505100929	DN560B LED12S/830 POE-E C WH	(0.43, 0.40) SDCM <2
910505100930	DN560B LED12S/840 POE-E C WH	(0.38, 0.38) SDCM <2
910505100939	DN572B LED20S/830 POE-E C WH	(0.43, 0.40) SDCM <2
910505100940	DN572B LED20S/840 POE-E C WH	(0.38, 0.38) SDCM <2
910505100941	DN572B LED24S/830 POE-E C WH	(0.43, 0.40) SDCM <2
910505100942	DN572B LED24S/840 POE-E C WH	(0.38, 0.38) SDCM <2
910505100931	DN570B LED20S/830 POE-E C WH	(0.43, 0.40) SDCM <2

Order Code	Full Product Name	Correlated Color	Luminous	Luminous
		Temperature (Nom)	Efficacy (rated) (Nom)	
910505100935	DN570B LED24S/830 POE-E C WH	3000 K	130 lm/W	2,600 lm
910505100936	DN570B LED24S/840 POE-E C WH	4000 K	141 lm/W	2,600 lm
910505100933	DN571B LED20S/830 POE-E C WH	3000 K	134 lm/W	2,200 lm
910505100934	DN571B LED20S/840 POE-E C WH	4000 K	149 lm/W	2,200 lm
910505100937	DN571B LED24S/830 POE-E C WH	3000 K	130 lm/W	2,600 lm
910505100938	DN571B LED24S/840 POE-E C WH	4000 K	141 lm/W	2,600 lm

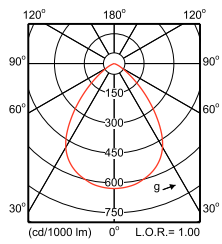
Order Code	Full Product Name	Power Consumption
910505100932	DN570B LED20S/840 POE-E C WH	14.8 W
910505100935	DN570B LED24S/830 POE-E C WH	20 W
910505100936	DN570B LED24S/840 POE-E C WH	18.4 W
910505100933	DN571B LED20S/830 POE-E C WH	16.4 W
910505100934	DN571B LED20S/840 POE-E C WH	14.8 W
910505100937	DN571B LED24S/830 POE-E C WH	20 W
910505100938	DN571B LED24S/840 POE-E C WH	18.4 W

Order Code	Full Product Name	Initial chromaticity
910505100932	DN570B LED20S/840 POE-E C WH	(0.38, 0.38) SDCM <2
910505100935	DN570B LED24S/830 POE-E C WH	(0.43, 0.40) SDCM <2
910505100936	DN570B LED24S/840 POE-E C WH	(0.38, 0.38) SDCM <2
910505100933	DN571B LED20S/830 POE-E C WH	(0.43, 0.40) SDCM <2
910505100934	DN571B LED20S/840 POE-E C WH	(0.38, 0.38) SDCM <2
910505100937	DN571B LED24S/830 POE-E C WH	(0.43, 0.40) SDCM <2
910505100938	DN571B LED24S/840 POE-E C WH	(0.38, 0.38) SDCM <2

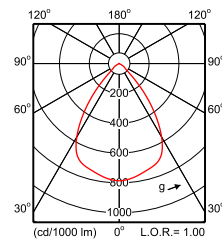
Polar Wide Diagrams



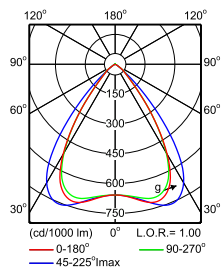
IFPS_DN570B PSE-E 1xLED20S/830 C-Polar
Normal (separate)



IFPS_DN570B PSE-E 1xLED24S/840 C-Polar
Normal (separate)



IFPS_DN571B PSE-E 1xLED24S/840 C-Polar
Normal (separate)



IFPS_DN572B PSE-E 1xLED24S/830 C-Polar
Normal (separate)

