



# GentleSpace gen2 – the new standard in industrial high-bay lighting, combining functionality with design

## GentleSpace gen2

With the introduction of the GentleSpace LED luminaire in 2011, Philips achieved a breakthrough in high-bay lighting, offering a huge reduction in power consumption, a long service life and an innovative design. Now, with GentleSpace gen2, Philips is setting a new standard in the market, with an improved total cost of ownership, even in extreme conditions. In addition, a high diversity of options are available to ensure an ideal solution for your application like optics, coatings and enabling the use of a central emergency grid (PSED).

### Benefits

- Extremely favorable total cost of ownership
- Customizable for high diversity of applications
- Proven reliability

## Features

- Improved efficiency of up to 143 lm/W
- DALI-addressable for even more savings
- Extremely long lifetime of up to 70,000 hours
- Improved thermal management to withstand ambient temperatures up to 45 °C
- Iconic design for architectural appeal
- Small surface makes it possible to meet ESFR sprinkler requirements
- Fully compliant with EN-12464-1; low glare rating and color rendering of  $\geq 80$
- Suitable for new builds or point-for-point replacement of HPI 250 W, HPL 400 W or HPI 400 W, reducing energy consumption by at least 45%

## Application

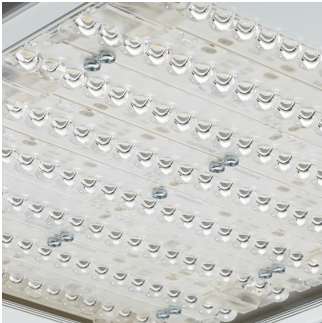
- Industrial halls and warehouses
- Exhibition halls
- Food production area and Sports hall
- High temperature engineering area

## Specifications

<b>Type</b>	BY470P (13,000 lm version)
	BY471P (17,000 and 25,000 lm versions)
<b>Light source</b>	Philips Fortimo LED Line 1R
<b>Power</b>	BY470P: 95 W
	BY471P: 126 and 180 W
<b>Luminous flux</b>	GRN versions: 13,000, 17,000 and 25,000 lm
	ECO versions: 13,000, 17,000, 25,000 and 32,000 lm
	XT versions: 17,000 and 25,000 lm
<b>Correlated Colour Temperature</b>	4,000 K
<b>Colour Rendering Index</b>	> 80
<b>Lumen maintenance at median useful life*</b>	GRN versions: L85
	ECO versions: L80
<b>50,000 h</b>	XT versions: L95
<b>Control gear failure rate at median useful life</b>	GRN versions: 5%
	ECO versions: 5%
<b>50,000 h</b>	XT versions: 5%
<b>Lumen maintenance at median useful life*</b>	GRN versions: L70
	ECO versions: L65
<b>100,000 h</b>	XT versions: L85
<b>Control gear failure rate at median useful life</b>	GRN versions: 10%
	ECO versions: 10%
<b>100,000 h</b>	XT versions: 10%
<b>Performance Ambient Temperature Tq</b>	+25 °C
<b>Driver</b>	Built-in (self ballasted LED-module)
<b>Mains voltage</b>	220-240 V AC / 50-60 Hz
	186-250 V DC

<b>Dimming</b>	Dimmable (PSD)
<b>Control system input</b>	DALI (25,000 lm version requires 2 DALI addresses)
	The 25,000 and 30,000 versions require 2 drivers
<b>Material</b>	Housing: die-cast aluminium
	Optic: PMMA
	Cover: thermally toughened clear glass
<b>Colour</b>	Silver grey (SI), white (WH)
	Other RAL colours available on request
<b>Optic</b>	Narrow beam (NB)
	Medium beam (MB)
	Wide beam (WB)
	High-rack (HRO)
	Asymmetrical mirror axis angle 50° (A50)
<b>Optical cover</b>	Glass cover (tempered, clear); optional PC or PMMA cover
<b>Installation</b>	Wall mounting
	Installation without removing lamps and optic/cover
	Y-grippel
	Mounting bracket (optional)
<b>Accessories</b>	External IP65 electrical connector
	Mounting brackets (BY470Z, BY471Z)
<b>Remarks</b>	Wall-mounting bracket
	The lifetime of up to 100,000 hours (XT version) is valid throughout the whole temperature range of -30 °C to +45 °C
	External IP65 connector and Y-grippel suspension set are included
	Overheat protection in XT version to ensure long maintenance-free life

Product details



IPDP\_BY470Pi\_0001-Detail photo



IPDP\_BY470Pi\_0003-Detail photo



IPDP\_BY470Pi\_0005-Detail photo



IPDP\_BY470Pi\_0007-Detail photo



IPDP\_BY470Pi\_0009-Detail photo

Accessories



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