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

GentleSpace gen2

Features
- Improved efficiency of 143 lm/W; Constant Light Output technology available as an option for further energy savings
- Extremely long lifetime of up to 70,000 hours; valid over the entire temperature range from –30 ºC to +45 ºC
- Iconic design, reducing height and surface to meet ESFR sprinkler requirements
- High quality of light, compliant with EN-12464-1 and diverse optics to fit your application; central DC emergency lighting feature available as option (PSED), compliant with IEC 60598-2-22
- Suitable for new builds or point-for-point replacement of HPI 250 W, HPL 400 W or HPI 400 W, reducing energy consumption by over 50%

Application
- Industrial halls, food industry and warehouses
- Exhibition halls
- Showrooms and retail environments
- Swimming pools

Specifications

Type	BY470P (13,000 lm version)		**Dimming**	Dimmable (PSD)
	BY471P (17,000 and 25,000 lm versions)		**Controls system input**	DALI (25,000 lm version requires 2 DALI addresses)
Light source	Philips Fortimo LED Line 1R		**Material**	Housing: die-cast aluminum
Power	BY470P: 95 W			Optic:PMMA
	BY471P: 126 and 180 W			Cover: thermally toughened clear glass
Luminous flux	BY470P: 13,000 lm		**Color**	Silver grey (SI), white (WH)
	BY471P: 17,000 and 25,000 lm			Other RAL colors available on request
Correlated Color Temperature	4000 K		**Optic**	Narrow beam (NB)
				Medium beam (MB)
Color Rendering Index	> 80			Wide beam (WB)
Median useful life L70B50	70,000 hours			High-rack (HRO)
Median useful life L80B50	50,000 hours		**Optical cover**	Glass cover (tempered, clear); optional PC or PMMA cover
Median useful life L90B50	25,000 hours		**Installation**	Installation without removing lamps and optic/cover
Average ambient temperature	+25 ºC			Y-grippel
				Mounting bracket (optional)
Operating temperature range	–30 to +45 ºC			External IP65 electrical connector
			Accessories	Mounting brackets (BY470Z, BY471Z)
Driver	Built-in (self ballasted LED-module)		**Remarks**	The lifetime of 70,000 hours is valid throughout the whole temperature range of –30 ºC up to +45 ºC
Mains voltage	220-240 V AC / 50-60 Hz			External IP65 connector and Y-grippel suspension set are included
	186-250 V DC			

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Accessories

Ordercode 90047400

Ordercode 90048100

Ordercode 90866100

Ordercode 90867800

Ordercode 30204000

www.lighting.philips.com

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