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 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 ≥ 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

Type	BY470P (13,000 lm version)	**Dimming**	Dimmable (PSD)
	BY471P (17,000 and 25,000 lm versions)	**Control system input**	DALI (25,000 lm version requires 2 DALI addresses)
Light source	Philips Fortimo LED Line 1R		The 25,000 and 30,000 versions require 2 drivers
Power	BY470P: 95 W	**Material**	Housing: die-cast aluminium
	BY471P: 126 and 180 W		Optic: PMMA
Luminous flux	GRN versions: 13,000, 17,000 and 25,000 lm		Cover: thermally toughened clear glass
	ECO versions: 13,000, 17,000, 25,000 and 32,000 lm	**Colour**	Silver grey (SI), white (WH)
	XT versions: 17,000 and 25,000 lm		Other RAL colours available on request
Correlated Colour Temperature	4,000 K	**Optic**	Narrow beam (NB)
			Medium beam (MB)
Colour Rendering Index	> 80		Wide beam (WB)
Lumen maintenance at median useful life* 50,000 h	GRN versions: L85		High-rack (HRO)
	ECO versions: L80		Asymmetrical mirror axis angle 50° (A50)
	XT versions: L95	**Optical cover**	Glass cover (tempered, clear); optional PC or PMMA cover
Control gear failure rate at median useful life 50,000 h	GRN versions: 5%	**Installation**	Wall mounting
	ECO versions: 5%		Installation without removing lamps and optic/cover
	XT versions: 5%		Y-grippel
Lumen maintenance at median useful life* 100,000 h	GRN versions: L70		Mounting bracket (optional)
	ECO versions: L65		External IP65 electrical connector
	XT versions: L85	**Accessories**	Mounting brackets (BY470Z, BY471Z)
Control gear failure rate at median useful life 100,000 h	GRN versions: 10%		Wall-mounting bracket
	ECO versions: 10%	**Remarks**	The lifetime of up to 100,000 hours (XT version) is valid
	XT versions: 10%		throughout the whole temperature range of -30 ºC to +45 ºC
Performance Ambient Temperature Tq	+25 ºC		External IP65 connector and Y-grippel suspension set are included
Driver	Built-in (self ballasted LED-module)		Overheat protection in XT version to ensure long maintenance-free life
Mains voltage	220-240 V AC / 50-60 Hz		
	186-250 V DC		

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Versions

GentleSpace 2 – LED
ProfessionalLine, system flux
17,000 lm