



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 ≥ 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
Light source	Philips Fortimo LED Line 1R		
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	4,000 K	Optic	Narrow beam (NB)
Temperature			Medium beam (MB)
Colour Rendering Index	> 80		Wide beam (WB)
Lumen maintenance at median useful life*	GRN versions: L85		High-rack (HRO)
50,000 h	ECO versions: L80		Asymmetrical mirror axis angle 50° (A50)
50,000 h	XT versions: L95	Optical cover	Glass cover (tempered, clear); optional PC or PMMA cover
Control gear failure rate at median useful life	GRN versions: 5%		Installation
50,000 h	ECO versions: 5%	Installation without removing lamps and optic/cover	
Lumen maintenance at median useful life*	GRN versions: L70	Y-grippel	
100,000 h	ECO versions: L65	Mounting bracket (optional)	
100,000 h	XT versions: L85	External IP65 electrical connector	Accessories
Control gear failure rate at median useful life	GRN versions: 10%	Mounting brackets (BY470Z, BY471Z)	
100,000 h	ECO versions: 10%	Wall-mounting bracket	Remarks
Performance Ambient Temperature Tq	+25 °C		
Driver	Built-in (self ballasted LED-module)		
Mains voltage	220-240 V AC / 50-60 Hz		The lifetime of up to 100,000 hours (XT version) is valid throughout the whole temperature range of -30 °C to +45 °C
	186-250 V DC		External IP65 connector and Y-grippel suspension set are included
			Overheat protection in XT version to ensure long maintenance-free life

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Accessories



Ordercode 910925255113,
910925259591



Ordercode 90047400



Ordercode 90048100



Ordercode 90866100



Ordercode 90867800



Extended IR Programming Tool is a remote control for testing and (re)commissioning the warehouse system via infrared

Ordercode 30204000

