



Adaptable high-bay lighting offering high efficiency and connectivity options to lighting systems and software applications.

GentleSpace Gen3

With the third generation of the GentleSpace high-bay luminaire, we continue to bring innovations to the market by offering adaptable high bay lighting solutions for high ceiling and industrial applications. GentleSpace gen3 offers a wide variety of options in terms of optics and beam angles (from very narrow to wide), a choice of mounting possibilities and cover materials and a variety of lumen packages. This means that GentleSpace gen3 can easily help you create a tailor-made and ideal lighting solution for almost any high ceiling and/or industrial application. It can also support changes in application requirements (such as layout changes) thanks to its flexible optical system, which can be easily adjusted even after installation. In addition, GentleSpace gen3 also provides the option of advanced connectivity and is ready to be connected to IoT-based systems and software applications such as the Interact Industry. Overall, whether you are looking for a reliable 'fit and forget' solution, or one that can be adapted and controlled after installation, GentleSpace gen3 is the ideal solution for your application.

GentleSpace Gen3

Benefits

- High-quality visibility combined with great uniformity and reduced glare
- A robust and reliable solution for a long service life
- A highly efficient solution, offering an attractive total cost of ownership
- Flexibility enabled by a high degree of adaptability to changing application needs
- Ready to be connected to existing and upcoming system and software applications
- Extensive application coverage including food production, manufacturing different height ceilings, hallways

Features

- High efficiency (HE) of up to 174 lm/W
- Long service life of the L80 at 100 K hrs
- Extreme version (XT) up to 70 °C
- Detachable mounting system for ease of installation
- Fully compliant with EN-12464-1; low-glare rating and colour rendering of ≥ 80
- Option for dust cover to meet the requirements of the food industry
- Suitable for new builds or point-for-point replacement of HPI 250 W, HPL 400 W or HPI 400 W, reducing energy consumption by up to 65%
- A wide variety of optics (WB/MB/NB/XNB and HRO) to meet application requirements, also with the option of adjustable optics variants (NBA) with the flexibility to shift from NB to WB with an easy adjustment mechanism
- Safety Class I or II
- Interact Industry and Philips GreenWarehouse-ready
- Swimming pool protected version (SWP)

Application

- Food production and manufacturing
- Warehouses and logistics centres
- Indoor sports halls, swimming pools and exhibition halls

Versions



New Highbay



New Highbay



New Highbay

Application Conditions

Ambient temperature range	-30 to +45 °C
Maximum dimming level	10%
Suitable for random switching	No

Approval and Application

Ingress protection code	IP65
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Controls and Dimming

Dimmable	Yes
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Operating and Electrical

Input Voltage	220-240 V
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General Information

Beam angle of light source	114 °
CE mark	CE mark
Protection class IEC	Safety class I (I)
Driver included	Yes
ENEC mark	ENEC mark
Flammability mark	D
Glow-wire test	850/5
Light source replaceable	Yes
Number of gear units	1 unit

Initial Performance (IEC Compliant)

Initial chromaticity	(0.38, 0.38) SDCM <3
Init. Corr. Colour Temperature	4000 K
Init. Colour rendering index	>80
Luminous flux tolerance	+/-10%

Approval and Application

Order Code	Full Product Name	Mech. impact protection code
910500465556	BY481P LED250S/840 PSD MB GC SI BR	IK07
910500465564	BY481P LED250S/840 PSD WB GC SI BR	IK07
910500465584	BY481P LED250S/840 PSD NB GC SI BR	IK07
910500465592	BY481P LED250S/840 PSD HRO GC SI BR	IK07
910500465568	BY480P LED130S/840 PSD WB PC SI	IK08
910500465594	BY481P LED250S/840 PSD WB GC WH BR	IK07

General Information

Order Code	Full Product Name	Optic type	Product family code
910500465556	BY481P LED250S/840 PSD MB GC SI BR	MB	BY481P
910500465564	BY481P LED250S/840 PSD WB GC SI BR	WB	BY481P
910500465584	BY481P LED250S/840 PSD NB GC SI BR	NB	BY481P

Order Code	Full Product Name	Optic type	Product family code
910500465592	BY481P LED250S/840 PSD HRO GC SI BR	HRO	BY481P
910500465568	BY480P LED130S/840 PSD WB PC SI	WB	BY480P
910500465594	BY481P LED250S/840 PSD WB GC WH BR	WB	BY481P

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial LED luminaire efficacy	Initial luminous flux	Initial input power
910500465556	BY481P LED250S/840 PSD MB GC SI BR	154 lm/W	25000 lm	160 W
910500465564	BY481P LED250S/840 PSD WB GC SI BR	154 lm/W	25000 lm	160 W
910500465584	BY481P LED250S/840 PSD NB GC SI BR	154 lm/W	25000 lm	160 W

Order Code	Full Product Name	Initial LED luminaire efficacy	Initial luminous flux	Initial input power
910500465592	BY481P LED250S/840 PSD HRO GC SI BR	154 lm/W	25000 lm	160 W
910500465568	BY480P LED130S/840 PSD WB PC SI	153 lm/W	13000 lm	84 W
910500465594	BY481P LED250S/840 PSD WB GC WH BR	154 lm/W	25000 lm	160 W

Mechanical and Housing

GentleSpace Gen3

Order Code	Full Product Name	Colour
910500465556	BY481P LED250S/840 PSD MB GC SI BR	Silver RAL 9006
910500465564	BY481P LED250S/840 PSD WB GC SI BR	Silver RAL 9006
910500465584	BY481P LED250S/840 PSD NB GC SI BR	Silver RAL 9006

Order Code	Full Product Name	Colour
910500465592	BY481P LED250S/840 PSD HRO GC SI BR	Silver RAL 9006
910500465568	BY480P LED130S/840 PSD WB PC SI	Silver RAL 9006
910500465594	BY481P LED250S/840 PSD WB GC WH BR	White

