

GentleSpace Gen3

BY481P LED350S/840 PSD MB GC SI BR

New Highbay - 840 neutral white - Power supply unit with DALI interface - Medium beam - Silver

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.

Product data

General Information	
Beam angle of light source	114 °
Light source colour	840 neutral white
Light source replaceable	Yes
Number of gear units	1 unit
Driver/power unit/transformer	PSD [Power supply unit with DALI interface]
Driver included	Yes
Optic type	MB [Medium beam]
Luminaire light beam spread	40° x 40°

Control interface	DALI
Connection	W5 [Plug-in connector 5-pole Wieland/ Adels compatible]
Cable	Cord with plug Wieland/Adels compatible 5-pole
Protection class IEC	Safety class I (I)
Glow-wire test	850/5 [Temperature 850 °C, duration 5 s]
Flammability mark	D [For mounting on easily flammable surfaces]
CE mark	CE mark

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ENEC mark	ENEC mark
Warranty period	5 years
Constant light output	No
Number of products on MCB	8
RoHS mark	RoHS mark
Product Family Code	BY481P [New Highbay]
Unified glare rating CEN	22

Operating and Electrical

Input voltage	220-240 V
Input frequency	50 to 60 Hz
Inrush current	15.3 A
Inrush time	0.061 ms
Power factor (min.)	0.9

Controls and Dimming

Dimmable	Yes

Mechanical and Housing

Housing material	Aluminum
Reflector material	-
Optic material	Acrylate
Optical cover/lens material	Glass
Fixation material	Steel
Optical cover/lens finish	Clear
Overall length	600 mm
Overall width	490 mm
Overall height	85 mm
Colour	Silver

Approval and Application

Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK07 [2 J reinforced]

Initial Performance (IEC Compliant)

Initial luminous flux	35000 lm
Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	148 lm/W
Init. Corr. colour temperature	4000 K
Init. colour rendering index	≥80
Initial chromaticity	(0.38, 0.38) SDCM <3
Initial input power	236 W
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50000 h	5 %
Median useful life L70B50	100000 h
Median useful life L80B50	100000 h
Median useful life L90B50	50000 h
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance at median useful life* 50000 h	L90
Lumen maintenance at median useful life* 100000 h	L80

Application Conditions

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

Product Data

Full product code	871869940790200
Order product name	BY481P LED350S/840 PSD MB GC SI BR
EAN/UPC – product	8718699407902
Order code	40790200
Numerator – quantity per pack	1
Numerator – packs per outer box	1
Material no. (12NC)	910500465596
Net weight (piece)	12.000 kg



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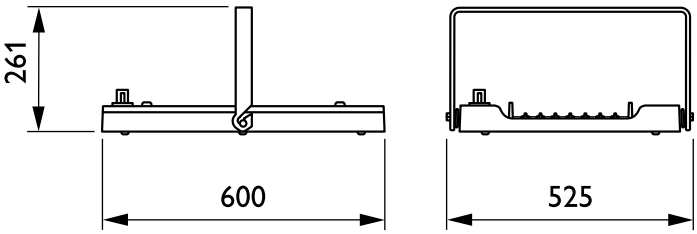
Dimensional drawing



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