



GentleSpace Gen3

BY480X LED170S/840 WB GC SI ACW-L BR

New Highbay - 840 neutral white - Power supply unit with DALI interface - Wide beam - Silver RAL 9006

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	WB [Wide beam]
Luminaire light beam spread	42° x 44°

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

Datasheet, 2021, March 19 data subject to change

GentleSpace Gen3

tant light output Deer of products on MCB (16 A type B)	Warranty period	5 years
per of products on MCB (16 A type B) 20 PHS compliant 21	Warranty period	5 years
bHS compliant yes act family code BY480X [New Highbay] Not applicable rating and Electrical Voltage 220-240 V frequency 50 to 60 Hz 4.8 A 1 time 2.3 ms 1 factor (min.) 0.9 rols and Dimming hable Yes rhanical and Housing ing material Aluminium ctor material Polycarbonate al cover/lens material al cover/lens material Steel al cover/lens finish clear fall length 460 mm all width 530 mm all height 115 mm Silver RAL 9006 Insions (height x width x depth) P65 [Dust penetration-protected, jet-proof]		
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rols and Dimming hable Yes hanical and Housing ing material ctor material - material Polycarbonate al cover/lens material Glass ion material Steel al cover/lens finish Clear all length 460 mm all width 530 mm all height II5 mm Silver RAL 9006 Insions (height x width x depth) roval and Application ss protection code IP65 [Dust penetration-protected, jet-proof]	Inrush current	4.8 A
rols and Dimming hable Yes hanical and Housing ing material Aluminium - material Polycarbonate al cover/lens material Glass ion material Steel al cover/lens finish Clear all length 460 mm sall width 530 mm luminium 115 mm Silver RAL 9006 Insions (height x width x depth) roval and Application ss protection code IP65 [Dust penetration-protected, jet-proof]	Inrush time	2.3 ms
hanical and Housing ing material Aluminium ctor material - material Polycarbonate al cover/lens material Glass ion material Steel al cover/lens finish Clear all length 460 mm all width 530 mm all height 115 mm ir Silver RAL 9006 insions (height x width x depth) 115 x 530 x 460 mm (4.5 x 20.9 x 18.1 in) roval and Application as protection code IP65 [Dust penetration-protected, jet-proof]	Power factor (min.)	0.9
hanical and Housing ing material Aluminium ctor material - material Polycarbonate al cover/lens material Glass ion material Steel al cover/lens finish Clear all length 460 mm all width 530 mm all height 115 mm ir Silver RAL 9006 insions (height x width x depth) 115 x 530 x 460 mm (4.5 x 20.9 x 18.1 in) roval and Application as protection code IP65 [Dust penetration-protected, jet-proof]		
hanical and Housing ing material Aluminium ctor material - material Polycarbonate al cover/lens material Glass ion material Steel al cover/lens finish Clear all length 460 mm all width 530 mm all height 115 mm ir Silver RAL 9006 insions (height x width x depth) 115 x 530 x 460 mm (4.5 x 20.9 x 18.1 in) roval and Application as protection code IP65 [Dust penetration-protected, jet-proof]	Controls and Dimming	
ing material Aluminium ctor material - material Polycarbonate al cover/lens material Glass ion material Steel al cover/lens finish Clear all length 460 mm all width 530 mm all height 115 mm Silver RAL 9006 Insions (height x width x depth) 115 x 530 x 460 mm (4.5 x 20.9 x 18.1 in) roval and Application ss protection code IP65 [Dust penetration-protected, jet-proof]	Dimmable	Yes
ing material Aluminium ctor material - material Polycarbonate al cover/lens material Glass ion material Steel al cover/lens finish Clear all length 460 mm all width 530 mm all height 115 mm Silver RAL 9006 Insions (height x width x depth) 115 x 530 x 460 mm (4.5 x 20.9 x 18.1 in) roval and Application ss protection code IP65 [Dust penetration-protected, jet-proof]		
roval and Application	Mechanical and Housing	
material Polycarbonate al cover/lens material Glass from material Steel al cover/lens finish Clear all length 460 mm all width 530 mm all height 115 mm If Silver RAL 9006 Insions (height x width x depth) 115 x 530 x 460 mm (4.5 x 20.9 x 18.1 in) Toval and Application as protection code IP65 [Dust penetration-protected, jet-proof]	Housing material	Aluminium
al cover/lens material Steel al cover/lens finish Clear all length 460 mm Silver RAL 9006 Insions (height x width x depth) Toval and Application ss protection code IP65 [Dust penetration-protected, jet-proof]	Reflector material	-
ion material Steel al cover/lens finish Clear all length 460 mm all width 530 mm all height 115 mm ir Silver RAL 9006 insions (height x width x depth) 115 x 530 x 460 mm (4.5 x 20.9 x 18.1 in) roval and Application ss protection code IP65 [Dust penetration-protected, jet-proof]	Optic material	Polycarbonate
all cover/lens finish Clear 460 mm 330 mm 115 mm Silver RAL 9006 Insions (height x width x depth) Toval and Application ss protection code IP65 [Dust penetration-protected, jet-proof]	Optical cover/lens material	Glass
all length 460 mm all width 530 mm all height 115 mm Ir Silver RAL 9006 Insions (height x width x depth) 115 x 530 x 460 mm (4.5 x 20.9 x 18.1 in) Toval and Application ss protection code IP65 [Dust penetration-protected, jet-proof]	Fixation material	Steel
all width 530 mm all height 115 mm Silver RAL 9006 Insions (height x width x depth) 115 x 530 x 460 mm (4.5 x 20.9 x 18.1 in) Toval and Application ss protection code IP65 [Dust penetration-protected, jet-proof]	Optical cover/lens finish	Clear
all height II 5 mm Silver RAL 9006 Insions (height x width x depth) II 5 x 530 x 460 mm (4.5 x 20.9 x 18.1 in) roval and Application ss protection code IP65 [Dust penetration-protected, jet-proof]	Overall length	460 mm
Silver RAL 9006 Insions (height x width x depth) 115 x 530 x 460 mm (4.5 x 20.9 x 18.1 in) roval and Application ss protection code IP65 [Dust penetration-protected, jet-proof]	Overall width	530 mm
roval and Application 115 x 530 x 460 mm (4.5 x 20.9 x 18.1 in) roval and Application 126 [Dust penetration-protected, jet-proof]	Overall height	115 mm
roval and Application ss protection code IP65 [Dust penetration-protected, jet-proof]	Colour	Silver RAL 9006
roval and Application ss protection code IP65 [Dust penetration-protected, jet-proof]	Dimensions (height x width x depth)	115 x 530 x 460 mm (4.5 x 20.9 x 18.1 in)
ss protection code IP65 [Dust penetration-protected, jet- proof]	- · · · · · · · · · · · · · · · · · · ·	·
ss protection code IP65 [Dust penetration-protected, jet- proof]	Approval and Application	
proof]	Ingress protection code	IP65 [Dust penetration-protected, jet-
	Mech. impact protection code	
I Performance (IFC Compliant)	Mech. impact protection code Initial Performance (IEC Compliant)	

Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	142 lm/W
Init. Corr. Colour Temperature	4000 K
Init. Colour rendering index	>80
Initial chromaticity	(0.38, 0.38) SDCM <3
Initial input power	120 W
Power consumption tolerance	+/-10%

Over	Time	Performance	(IEC	Compliant)

Control gear failure rate at median useful	5 %
life 50,000 h	
Control gear failure rate at median useful	10 %
life 100,000 h	
Lumen maintenance at median useful life*	L90
50,000 h	
Lumen maintenance at median useful life*	L80
100,000 h	

Application Conditions

Ambient temperature range	-30 to +45 °C
Performance ambient temperature Tq	45 °C
Maximum dimming level	10%
Suitable for random switching	Vac

Product Data	
Full product code	871869940748300
Order product name	BY480X LED170S/840 WB GC SI ACW-L
	BR
EAN/UPC - product	8718699407483
Order code	40748300
SAP numerator – quantity per pack	1
Numerator – packs per outer box	1
Material no. (12 NC)	910500465554
SAP net weight (piece)	8.900 kg

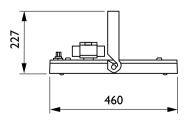
initial luminous itux isvstem itux) 1/000 iiii	Initial luminous flux (system flux)) 17000 lm
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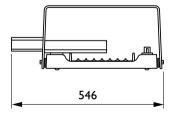






Dimensional drawing

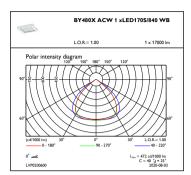




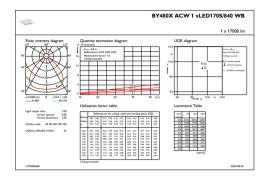
GentleSpace gen3 BY480P-BY483P

GentleSpace Gen3

Photometric data



OFPC1_BY480XACW1xLED170S840WB



IFGU1_BY480XACW1xLED170S840WB



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