



GentleSpace Gen3

BY480P LED170S/840 PSD WB GC SI BR

Gentlespace gen3 Small, 840 neutral white, Power supply unit with DALI interface, Wide beam, Silver RAL 9006

GentleSpace gen3 provides a smart combination of versatile offer with high efficiency, connectivity options and reliability. It provides a wide variety of options in terms of optics, beam angles (from very narrow to wide) and lumen packages, each delivering on best-in-class quality of light for enhanced safety, productivity, and comfort. With GentleSpace gen3 you can easily create a tailor-made and ideal lighting solution for almost any high ceiling and/or industrial application. It supports changes in application requirements (such as layout changes) thanks to its flexible optical system, which can be easily adjusted even after installation. Additionally, a choice of mounting possibilities and pre-mounted IP65 connector enables quick and easy installation. You can choose various cover materials, special variants for extreme temperatures (XT), or hazardous areas (ATEX 2/22), or sports applications. In addition, GentleSpace gen3 also provides the option of advanced connectivity and is ready to be connected to IoT-based system and software applications such as Interact Industry. Created with Circularity principles in mind, GentleSpace is serviceable luminaire with all information available at hand, via Signify ServiceTag app. Whether you are looking for a reliable "fit & 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	
Light source replaceable	Yes
CE mark	Yes
Number of gear units	1 unit
Driver included	Yes
Flammability mark	-

Glow-wire test	Temperature 650 °C, duration 30 s	
Warranty period	5 years	
Service tag	Yes	
Product family code	BY480P [Gentlespace gen3 Small]	
Lighting Technology	LED	
ENEC mark	ENEC mark	

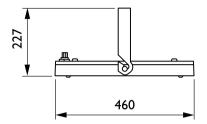
Datasheet, 2023, September 8 data subject to change

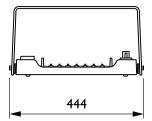
GentleSpace Gen3

Building Female Polycombonate Polyco			- · · · · ·	
Part	EU RoHS compliant	Yes	Optic material	Polycarbonate
Application Conditions	Value ladder	Specification		
Maximum din luvel 10% Optical cover/lens finish Cicor Performance ambient temperature Tq 45 °C Overall length 460 mm Suttable for random switching No Overall length 460 mm Light Technical Tool Ummons Flux 17,000 lumen 104 x 410 x 460 mm Correlated Color Temperature (Nom) 4000 K Approval and Application Correlated Color Temperature (Nom) 141 lim/Yu Sproval and Application Correlated Color Temperature (Nom) 480 mental within Sproval and Application Gord Gredering Index (KPI) 80 Most impact protection code MSO 72 mental vice pool Spean applied light source 1840 mental within Msch impact protection code MSO 72 mental vice pool Optic type Wide bourn Protection class IEC Safety class I Unmind sign aring CEN Not appirable Protection class IEC Safety class I Intitial Color power consumption -W Intitial Chromaticity (0.38 0.38) SECM <3 Intitial Color power consumption -W Intitial Chromaticity (0.38 0.38) SECM <3 Intitial Color power cons				
Performance ambient temperature Tq 45 °C Overall length 460 mm Suitable for random switching No Overall width 460 mm Light Tschnicial 17,000 lumen Overall width is Deline(1) 104 × 410 × 460 mm Correlated Color Temperature (Nom) 4000 N Approval and Application Individual Plant (Nome) Luminous Efficacy (tasted) (Nom) 110 Int				
Suitable for random switching No Overall height 100 mm	Maximum dim level	10%	Optical cover/lens finish	Clear
	Performance ambient temperature Tq	45 °C	Overall length	460 mm
Light Technical To 000 lumen Dimensions (Height x Width x Depth) 104 x 410 x 460 mm Correlated Color Temperature (Nom) 400 0 K Approval and Application Luminous Efficacy (rated) (Nom) 141 km/W Images protection code P65 [Dust penetration-protected, jet-pole-pole-pole-pole-pole-pole-pole-pole	Suitable for random switching	No	Overall width	410 mm
Luminous Flux 17,000 lumen Correlated Color Temperature (Nom) 4000 K Approval and Application Luminous Efficacy (rated) (Nom) 14 Im/W Ingress protection code IPES [Dust penetration-protected, jet-proof] Color rendering index (CR) 860 Mech. impact protection code IPES [Dust penetration-protected, jet-proof] Beam angle of light source 18d degree(s) Mech. impact protection code IRS7 [2] Jeinforced] Upin Source color 840 neutral white Statistability atting Lughting for cruciality Optic type Wide beam Protection class IEC Sofety class I Unified glar rating CEN Not applicable Photobiological risk Photobiological risk group 1 (8)/200m no Operating and Electrical Initial Performance (IEC Compliant) Imitial Chromaticity (0 38, 0.36) SDCM ~3 Input Voltage 220-240 V Luminous flux tolerance 7-/10% Invisit time 76 ms Commodition Vermous Commodition Vermous Commodities Vermous Control (pear failure rate at median useful life* % Power Consumption 120 W Control gear failure rate at median useful life* 10%			Overall height	104 mm
Approval and Application	Light Technical		Dimensions (Height x Width x Depth)	104 x 410 x 460 mm
Luminous Efficacy (rated) (Nom)	Luminous Flux	17,000 lumen		
Color rendering index (CRI)	Correlated Color Temperature (Nom)	4000 K	Approval and Application	
Beam angle of light source color	Luminous Efficacy (rated) (Nom)	141 lm/W	Ingress protection code	IP65 [Dust penetration-protected, jet-
Light source color 840 neutral white Protection class IEC Safety class I Luminate light beam spread 42" x 44" Photobiological risk Photobiological risk group 1 @200 mm to Environment (IEC Compliant) Line Frequency 50 to 60 Hz Initial Performance (IEC Compliant) Line Frequency 50 to 60 Hz Initial Chypower consumption - W Average CLO power consumption - W Average CLO power consumption 1- W Average CLO power consumption 120 W Fower factor (Fraction) 0.9 Connection External connector 100000 h Number of products on MCB of 16 A type B Compatible Scoppeable Sco	Color rendering index (CRI)	>80		proof]
Optic type Wide beam Protection class IEC Safety class I Luminare light beam spread 42° x 44° Photobiological risk Photobiological risk proup 1 @200mm to ENG2778 Operating and Electrical Line Frequency 50 to 60 Hz Initial Performance (IEC Compliant) Line Frequency 50 to 60 Hz Initial CLO power consumption .W Average CLO power consumption -W Power consumption tolerance +/-10% Inrush current 51 A Over Time Performance (IEC Compliant) Inrush current 51 A Over Time Performance (IEC Compliant) Inrush time 76 ms Control gear failure rate at median useful life 5 % Power Consumption 120 W 50000 h Connection External connector Lumen maintenance at median useful life 10 % Connection External connector Lumen maintenance at median useful life 10 % Number of products on MCB of 16 A type B 12 Lumen maintenance at median useful life 10 % Temperature Ambient temperature range -30 to +45 °C Pull product code 87/869940752000 Controls a	Beam angle of light source	114 degree(s)	Mech. impact protection code	IK07 [2 J reinforced]
Luminaire light beam spread 42° x 44° Not applicable Initial Performance (IEC Compliant)	Light source color	840 neutral white	Sustainability rating	Lighting for circularity
Unified glare rating CEN Not applicable EN62778 Departing and Electrical Initial Performance (IEC Compliant) Initial Performance (IEC Com	Optic type	Wide beam	Protection class IEC	Safety class I
Operating and Electrical Line Frequency 50 to 60 Hz Input Voltage 220-240 V Initial Chromaticity (0.38, 0.38) SDCM <3 Input Voltage 10 power consumption - W Power consumption to lerance - W Initial CLD power consumption - W Over Time Performance (IEC Compliant) Inrush current Inrush current Inrush time - 76 ms Control gear failure rate at median useful life 5 % 50000 h Connection 0.9 Control gear failure rate at median useful life 100 % 100000 h Lumen maintenance at median useful life 100 % 100000 h Lumen maintenance at median useful life 100 % 100000 h Lumen maintenance at median useful life 100 % 100000 h Lumen maintenance at median useful life 100 % 100000 h Lumen maintenance at median useful life 100 % 100000 h Lumen maintenance at median useful life 100 % 100000 h Lumen maintenance at median useful life 100 % 100000 h Lumen maintenance at median useful life 100 % 100 M 100	Luminaire light beam spread	42° x 44°	Photobiological risk	Photobiological risk group 1 @200mm to
Line Frequency 50 to 60 Hz Initial chromatticity (0.38, 0.38) SDCM <3 Input Voltage 220-240 V Luminous flux tolerance +/-10% Initial CLO power consumption -W Power consumption tolerance +/-10% Average CLO power consumption -W -W Inrush current 5.1 A Over Time Performance (IEC Compliant) Inrush time 76 ms Control gear failure rate at median useful life 5% Power Consumption 120 W Control gear failure rate at median useful life 10% Connection External connector 100000 h Lumen maintenance at median useful life 10% Coble Cord with plug Weland/Adels compatible 5-pole Lumen maintenance at median useful life L90 Number of products on MCB of 16 A type B 12 Lumen maintenance at median useful life L80 Temperature -30 to +45 °C Product Data Full product code 871869940752000 Control sand Dimming Yes Order code 910500465558 Dimmable Yes Numerator - Quantity Per Pack 1	Unified glare rating CEN	Not applicable		EN62778
Line Frequency 50 to 60 Hz Initial chromatticity (0.38, 0.38) SDCM <3 Input Voltage 220-240 V Luminous flux tolerance +/-10% Initial CLO power consumption -W Power consumption tolerance +/-10% Average CLO power consumption -W -W Inrush current 5.1 A Over Time Performance (IEC Compliant) Inrush time 76 ms Control gear failure rate at median useful life 5% Power Consumption 120 W Control gear failure rate at median useful life 10% Connection External connector 100000 h Lumen maintenance at median useful life 10% Coble Cord with plug Weland/Adels compatible 5-pole Lumen maintenance at median useful life L90 Number of products on MCB of 16 A type B 12 Lumen maintenance at median useful life L80 Temperature -30 to +45 °C Product Data Full product code 871869940752000 Control sand Dimming Yes Order code 910500465558 Dimmable Yes Numerator - Quantity Per Pack 1				
Input Voltage 220-240 V Initial CLO power consumption -W Power consumption -W Average CLO power consumption -W Inrush current 5.1 A Over Time Performance (IEC Compliant) Inrush time 76 ms Control gear failure rate at median useful life 5% S0000 h Power Factor (Fraction) 0.9 Connection External connector 100000 h Control gear failure rate at median useful life 10% 100000 h Lumen maintenance at median useful life* L90 Lumen maintenance at median useful life* L80 100000 h Lumen maintenance at median useful life* L80 100000 h Temperature Ambient temperature range -30 to +45 °C Priver/power unit/transformer Power supply unit with DALI interface Ontrol interface DALI Constant light output No Mechanical and Housing Mechanical and Housing Material N. (12NC) 910500465558 EAN/UPC - Case 8718699407520 EANIPORT Case EAN/UPC - Case 8718699407520 ELIMINOUS FILED TOOK SUBSE TIME TOOK SUBSE TIME TOOK SUBSE TOO	Operating and Electrical		Initial Performance (IEC Compliant)	
Initial CLO power consumption -W Average CLO power consumption -W Inrush current 5.1 A Over Time Performance (IEC Compliant) Control gear failure rate at median useful life 5% Soooo h Connection External connector 100000 h Connection External connector 100000 h Connection External connector 100000 h Number of products on MCB of 16 A type B 12 Temperature Ambient temperature range -30 to +45 °C Product Data Controls and Dimming Order product code 910500465558 Driver/power unit/transformer Power supply unit with DALI interface Order interface DALI Constant light output Aluminum Mechanical and Housing Mechanical and Housing Material M. Aluminum Power consumption tolerance + /-/10% Power consumption tolerance + /-/10% Over Time Performance (IEC Compliant) Control gear failure rate at median useful life 5% Soooo h Control gear failure rate at median useful life 10% Control gear failure rate at median useful life 5% Soooo h Lumen maintenance at median useful life 10% Lumen ma	Line Frequency	50 to 60 Hz	Initial chromaticity	(0.38, 0.38) SDCM <3
Average CLO power consumption - W Inrush current 5.1 A	Input Voltage	220-240 V	Luminous flux tolerance	+/-10%
Inrush current 5.1 A Over Time Performance (IEC Compliant)	Initial CLO power consumption	- W	Power consumption tolerance	+/-10%
Inrush time	Average CLO power consumption	- W		
Power Consumption 120 W 50000 h Control gear failure rate at median useful life 10 % Connection External connector 100000 h Control gear failure rate at median useful life 10 % Control gear failure rate at median useful life 10 % Control gear failure rate at median useful life L90 Condection Cord with plug Wieland/Adels Compatible 5-pole 50000 h Control gear failure rate at median useful life L90 Condection Lumen maintenance at median useful life L80 Lumen maintenance at median useful life L90 Lumen maintenance at median useful life L90 Lumen maintenance at median useful life L90 Lumen m	Inrush current	5.1 A	Over Time Performance (IEC Complian	t)
Control gear failure rate at median useful life 10 %	Inrush time	76 ms	Control gear failure rate at median useful life	5 %
Connection External connector 100000 h Lumen maintenance at median useful life* L90	Power Consumption	120 W	50000 h	
Cable Cord with plug Wieland/Adels compatible 5-pole 50000 h Number of products on MCB of 16 A type B 12 Lumen maintenance at median useful life* 100000 h Temperature Ambient temperature range -30 to +45 °C Product Data Full product code 871869940752000 Order product name BY480P LEDI70S/840 PSD WB GC SI BR Order code 910500465558 Driver/power unit/transformer Power supply unit with DALI interface Onstant light output No Material Nr. (12NC) 910500465558 Mechanical and Housing Housing Material Aluminum	Power Factor (Fraction)	0.9		10 %
Source to make the products on MCB of 16 A type B 12 Lumen maintenance at median useful life* 100000 h Temperature Ambient temperature range -30 to +45 °C Product Data Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI Constant light output No Material Nr. (12NC) 910500465558 Mechanical and Housing Housing Material Aluminum Source of maintenance at median useful life* L80 L80 L80 L80 L80 L80 L80 Aluminum maintenance at median useful life* L80 L80 L80 Aluminance at median useful life* L80 L80 Aluminance at median useful life* L80 L80 Aluminance at median useful life* L80 L80 L80 Aluminance at median useful life* L80 Alu	Connection	External connector	100000 h	
Number of products on MCB of 16 A type B 12 Lumen maintenance at median useful life* 100000 h Temperature Ambient temperature range -30 to +45 °C Product Data Full product code 871869940752000 Controls and Dimming Dimmable Yes Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI Constant light output No Material Nr. (12NC) 910500465558 Mechanical and Housing Housing Material Aluminum	Cable	Cord with plug Wieland/Adels		L90
Temperature Ambient temperature range		compatible 5-pole		
Temperature Ambient temperature range	Number of products on MCB of 16 A type B	12		L80
Ambient temperature range -30 to +45 °C Full product code 871869940752000 Controls and Dimming Dimmable Yes Order code 910500465558 Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI Constant light output No Material Nr. (12NC) Full product name BY480P LED1705/840 PSD WB GC SI BR Numerator - Quantity Per Pack 1 Numerator - Packs per outer box 1 Material Nr. (12NC) 910500465558 Full product name BY480P LED1705/840 PSD WB GC SI BR Mechanical and Housing Mechanical and Housing Housing Material Aluminum			100000 h	
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Controls and Dimming Dimmable Yes Order code Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI Constant light output No Material Nr. (12NC) Full product name BY480P LED170S/840 PSD WB GC SI BR Numerator - Quantity Per Pack 1 Numerator - Packs per outer box 1 Material Nr. (12NC) 910500465558 Full product name BY480P LED170S/840 PSD WB GC SI BR EAN/UPC - Case 8718699407520	Ambient temperature range	-30 to +45 °C		
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Driver/power unit/transformer Power supply unit with DALI interface Control interface DALI Constant light output No Material Nr. (12NC) Full product name BY480P LED170S/840 PSD WB GC SI BR Mechanical and Housing Housing Material Aluminum	Controls and Dimming			
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Constant light output No Material Nr. (12NC) 910500465558 Full product name BY480P LED170S/840 PSD WB GC SI BR Mechanical and Housing EAN/UPC - Case 8718699407520 Housing Material Aluminum	Driver/power unit/transformer	Power supply unit with DALI interface		
Full product name BY480P LED170S/840 PSD WB GC SI BR Mechanical and Housing EAN/UPC - Case 8718699407520 Housing Material Aluminum	Control interface	DALI		
Mechanical and Housing Housing Material Aluminum EAN/UPC - Case 8718699407520	Constant light output	No		
Housing Material Aluminum			·	
	Mechanical and Housing		EAN/UPC - Case	8/1869940/520
Reflector material -	Housing Material	Aluminum		
	Reflector material			

GentleSpace Gen3

Dimensional drawing







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