PHILIPS

Lighting

GentleSpace gen4

BY581P 250S/830 DIA HE WB GC SI

GentleSpace gen4, Highbay, High efficiency, 146 W, SMT, 25000 lm, 3000 K, DALI, Interact Ready, Wide beam, IP65, IK07

Highbay, Aluminium, Silver, Double layer powder coating, Suspension set twin, triangle, Dali dimming Interact System ready, 25000 lm, 146 W, 171 lm/W, 3000 K, (0.435, 0.401) SDCM 3, Wide beam, Clear, Glass, IP65 | Dust penetration-protected, jet-proof, IK07 | 2 J reinforced, Safety class I, Plug-in connector 5-pole Wieland/ Adels compatible

Product data

General Information	
Number of gear units	1 unit
Driver included	Yes
Service tag	Yes
Value ladder	Specification
Warranty period	5 years

Light Technical	
Luminous Flux	25,000 lm
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	171 lm/W
Color rendering index (CRI)	>80
Light source color	830 warm white
Optic type	Wide beam
Luminaire light beam spread	91° x 91°
Unified glare rating CEN	25
Melanopic Daylight Efficacy Ratio	0.5

Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	0 W
Average CLO power consumption	-W;- W
Inrush current	5.1 A
Inrush time	0.76 ms
Power Consumption	146 W
Power Factor (Fraction)	0.9
Connection	Plug-in connector 5-pole Wieland/Adels compatible
Cable	-
Number of products on MCB of 16 A type B	16
Suitable for random switching	No
Protection class IEC	Safety class I
Total harmonic distortion	20 %

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Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Dali dimming Interact System ready
Control interface	DALI
Constant light output	No
DALI Standard	DALI-2™ with extended data: Parts 251/252/253
Maximum dim level	10%
Connectivity	Interact Ready

Mechanical and Housing	
Housing Material	Aluminium
Reflector material	Polycarbonate
Optic material	Polycarbonate
Optical cover material	Glass
Fixation material	Aluminum
Housing Color	Silver
Optical cover finish	Clear
Overall length	417 mm
Overall width	600 mm
Overall height	125 mm
Dimensions (Height x Width x Depth)	125 x 600 x 417 mm
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK07 [2 J reinforced]
Mounting	Suspension set twin, triangle
Net Weight (Piece)	10.800 kg

Emergency Operation	
Central Emergency	No

Approval and Application	
Glow-wire test	Temperature 650 °C, duration 30 s
Flammability mark	For mounting on easily flammable surfaces
CE mark	Yes
ENEC mark	ENEC mark
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	0.12
Stroboscopic effect visibility measure (SVM)	0.07
Ambient temperature range	-30 to +55 °C

Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.435, 0.401) SDCM 3
Power consumption tolerance	+/-5%

Over Time Performance (IEC Compliant)	
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	-
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L85

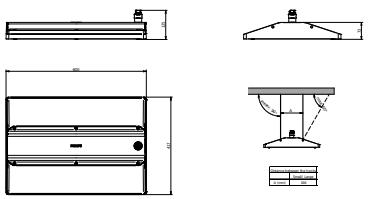
Sustainability Data	
Sustainability rating	Signify Circle
Repair class	Repair Class B, the driver and light source of this luminaire can be replaced by a service technician. Parts and documentation are available for an extended period of time.
Embedded carbon (A1-A3)	78.7 kg CO_2e
Product non-virgin material ratio	38.9 %
Recyclable content ratio of the finished product	58.1 %
GWP total B6 (kg CO2eq) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO2eq / kwh)
GWP total B6 (kg CO2eq) Functional Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * 1000 (lm) /lumen output (lm) Declared Unit * 35000 (hrs) * Energy mix (kg CO2 eq / kwh)
Non-virgin material ratio of the packaging	Cardboard > 80% recycled Plastic >35% recycled
Packaging Recyclable content ratio	Cardboard recycling rate > 80% Plastic recycling rate > 40%
Packaging Material	Cardboard Plastic

Product Data	
Order product name	BY581P 250S/830 DIA HE WB GC SI
Full product name	BY581P 250S/830 DIA HE WB GC SI
Full product code	872016958927800
Order code	58927800
Material Nr. (12NC)	910505102933
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169589278
Numerator - Packs per outer box	1
EAN/UPC - Case	8720169589278
Product family code	BY581P [Gentlespace gen4 Large]

GentleSpace gen4

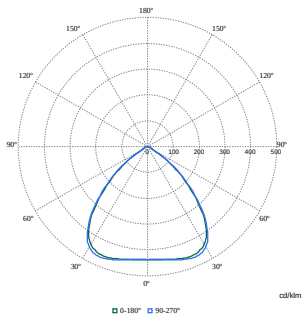
Dimensional drawing

BY581P, BY583P suspended



With Wieland connector on a cable or free cable finish, cable length is: 0.5m or 1m or 1.5m. or 2m

Photometric data



Polar Normal (separate) - BY580PI - 910505102933

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