



CoreLine Highbay Gen6

BY122P G6 LED350/840 PSD NB

CoreLine Highbay Gen6, UltraEfficient, 196 W, 35000 lm, 4000 K, DALI, Beam angle 55°, IP66, IK08, EL-DC

Philips CoreLine Highbay Gen6 delivers on the CoreLine promise of innovative, easy-to-use, and high-quality lighting. With a redefined and appealing elegance, CoreLine Highbay Gen6 is a reliable, highly efficient luminaire with a very long lifetime. It delivers flicker-free lighting and great energy savings, and requires less maintenance than comparable luminaires. CoreLine Highbay Gen6 is also very easy to handle. The luminaire can be installed on your existing grid. Electrical connections are straightforward, with an external IP65 connector that does not require you to open the luminaire. With a choice of narrow and wide beam angles, you can adjust your lighting plan to suit your exact needs. The CoreLine Highbay Gen6 range includes Interact Ready luminaires. With integrated wireless communications and integrated movement and daylight sensors, CoreLine Highbay Gen6 is ready for use with any Interact connected lighting system.

Product data

General Information	
Number of gear units	2 units
Driver included	Yes
Value ladder	Performance
Serviceability class	Class C, luminaire without serviceable
	parts, not serviceable
Warranty period	5 years
Sustainability rating	-

Light Technical	
Luminous Flux	35,000 lm
Saturated Red (R9)	<50
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	178 lm/W
Color rendering index (CRI)	≥80
Beam angle of light source	120 degree(s)
Light source color	840 neutral white
Optic type	Beam angle 55°

Datasheet, 2025, January 22 data subject to change

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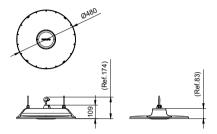
Luminaire light beam spread	55°	Emergency Operation	
Unified glare rating CEN	22	Power consumption during Central DC	29.4 W
		emergency mode	
Operating and Electrical		Central Emergency	No
Input Voltage	220 to 240 V	Emergency lighting	DC operated central emergency
Line Frequency	50 to 60 Hz		lighting
Average CLO power consumption	- W		
Inrush current	106 A	Approval and Application	
Inrush time	0.3 ms	Glow-wire test	Temperature 650 °C, duration 30 s
Power Consumption	196 W		
Power Factor (Fraction)	0.95	CE mark	Yes
Connection	Screw connector	ENEC mark	ENEC mark
Cable	Cable 0.3 m with connector 2-pole	Photobiological risk	Photobiological risk group 1 @
Cable	Cable 0.3 m with connector 3-pole	Thotobiological risk	200mm to EN62471
Number of products on MCB of 16 A type B	4	EU RoHS compliant	Yes
	Yes	Performance ambient temperature Tq	35 °C
Suitable for random switching		Flickering value (PstLM) - Flickering value as per	
Protection class IEC	Safety class I	EN 61000-3-3	0.5
Feed-through wiring	-	Stroboscopic effect visibility measure (SVM)	0.4
Total harmonic distortion	10 %		
		Ambient temperature range	-40 to +50 ℃
Controls and Dimming		Initial Devicements (IEC Compliant)	
Dimmable	Yes	Initial Performance (IEC Compliant)	. / 100/
Driver/power unit/transformer	Power supply unit with DALI interface,	Luminous flux tolerance	+/-10%
	DC compatible for central emergency	Initial chromaticity	(0.3818,0.3797) SDCM < 5
	lighting (integrated)	Power consumption tolerance	+/-10%
Control interface	DALI	Standard Deviation of Colour Matching	SDCM≤5
Constant light output	No	(McAdam ellipse)	,
DALI Standard	DALI-2™		
Maximum dim level	20%	Over Time Performance (IEC Compliant)	
Embedded control		Control gear failure rate at median useful life	3.5 %
Photocell		35000 h	
		Control gear failure rate at median useful life	5 %
Mechanical and Housing		50000 h	
Housing Material	Aluminum die cast	Control gear failure rate at median useful life	7.5 %
Reflector material	<u>-</u>	75000 h	
Optic material	Polycarbonate	Control gear failure rate at median useful life	10 %
Optical cover material	-	100000 h	
Fixation material	Aluminum	Lumen maintenance (EN-IEC 62722-2-1) at	L85
Housing Color	Gray	median useful life* 35000 h	
Optical cover finish	-	Lumen maintenance (EN-IEC 62722-2-1) at	L85
Reflector Finish	-	median useful life* 50000 h	
Overall height	109 mm	Lumen maintenance (EN-IEC 62722-2-1) at	L80
Overall diameter	480 mm	median useful life* 75000 h	
Optical finish	Clear	Lumen maintenance (EN-IEC 62722-2-1) at	L70
Ingress protection code	IP66 [Dust penetration-protected, jet-	median useful life* 100000 h	
	proof]		
Mech. impact protection code	IK08 [5 J vandal-protected]	Product Data	
Explosion hazard class	-	Order product name	BY122P G6 LED350/840 PSD NB
Mounting	Bracket Surface Suspended	Full product name	BY122P G6 LED350/840 PSD NB
Net Weight (Piece)	6.390 kg	Full product code	872110330659300
		Order code	30659300
		Material Nr. (12NC)	911401556445

CoreLine Highbay Gen6

Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8721103306593
Numerator - Packs per outer box	1

EAN/UPC - Case	8721103306593

Dimensional drawing





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