

CoreLine Highbay

BY121P G3 LED205S/840 PSU WB GR

Generation 3 - LED Module, system flux 20,500 lm - 840 neutral white - Power supply unit - Wide beam - Gray

Following the successful introduction of the CoreLine High-bay in 2013, the upgrade to a new generation further improves the total cost of ownership and provides optionally DALI dimming for even further savings. Designed as a replacement for HPI 250/400 W luminaires, CoreLine High-bay G3 offers customers all the benefits of LED lighting – fresh light quality, longer service lifetime, reduced energy consumption and less maintenance – from a trusted manufacturer. At the same time, it delivers clear benefits for the installer too. The luminaire can be installed on the existing grid. Electrical connection is straightforward: there is no need to open the luminaire for installation or servicing. And being smaller and lighter than conventional luminaires, it is very easy to handle.

Product data

• General Information

Lamp family code	LED Module, system flux 20,500 lm
Light source color	840 neutral white
Light source replaceable	No
Driver/power unit/ transformer	Power supply unit
Driver included	Yes
Optic type	Wide beam

• Operating and Electrical

Input Voltage	200 to 240 V
Input Frequency	50 to 60 Hz

• Initial Performance (IEC Compliant)

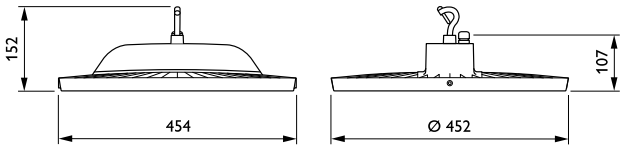
Initial luminous flux	20500 lm
Init. Corr. Color Temperature	4000 K
Init. Color Rendering Index	≥80

• Product Data

Full product code	871016330145700
Order product name	BY121P G3 LED205S/840 PSU WB GR
EAN/UPC - Product	8710163301457
Order code	911401505431
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	911401505431
Net Weight (Piece)	4.800 kg

PHILIPS

Dimensional drawing



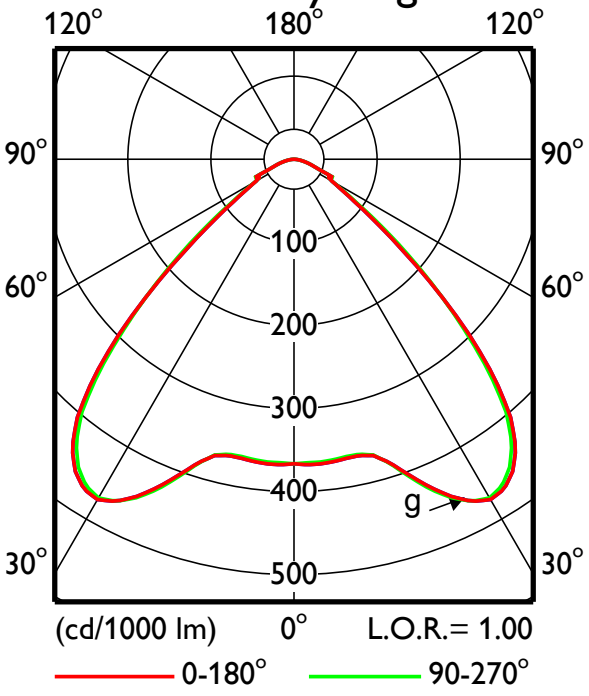
BY121P G3

Photometric data

BY121P G3 1xLED205S/840 WB

1 x 20500 lm

Polar intensity diagram



LVC2160071

2016-05-10

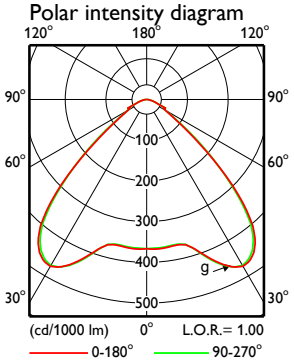
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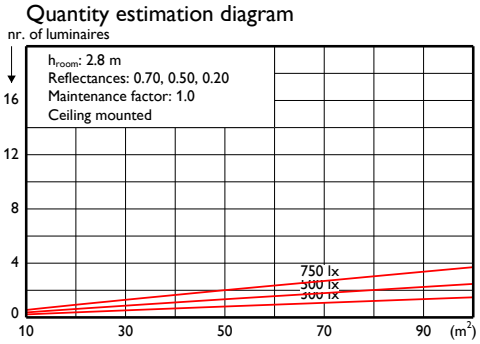
BY121P G3 1xLED205S/840 WB

1 x 20500 lm

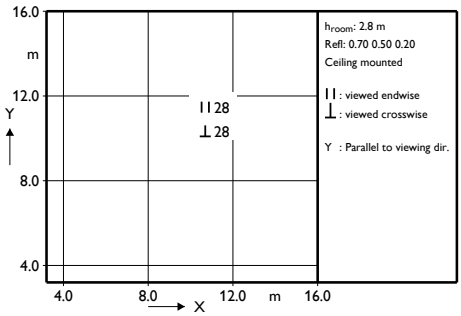
Polar intensity diagram



Quantity estimation diagram



UGR diagram



Light output ratio	1.00
Service upward	0.00
Service downward	1.00
CIE flux code	67 94 99 100 100
S/H ratio crosswise	max. 1.6
lengthwise	max. 1.6
UGRcen (4Hx8H, 0.25H)	26
UTE71-121:	1.00C + 0.00T

Utilisation factor table

Room Index k	Reflectances for ceiling, walls and working plane (CIE)										
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00
	0.50	0.50	0.50	0.50	0.50	0.30	0.30	0.10	0.30	0.10	0.00
	0.30	0.10	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.00
0.60	0.60	0.58	0.60	0.58	0.57	0.51	0.51	0.47	0.50	0.47	0.45
0.80	0.71	0.67	0.70	0.68	0.66	0.60	0.60	0.56	0.59	0.56	0.54
1.00	0.80	0.74	0.79	0.76	0.74	0.68	0.67	0.63	0.66	0.63	0.61
1.25	0.88	0.81	0.86	0.83	0.80	0.75	0.74	0.70	0.73	0.70	0.68
1.50	0.94	0.85	0.92	0.88	0.84	0.80	0.79	0.75	0.78	0.75	0.73
2.00	1.02	0.91	1.00	0.95	0.91	0.87	0.86	0.83	0.84	0.82	0.80
2.50	1.08	0.95	1.05	0.99	0.94	0.91	0.90	0.87	0.88	0.86	0.84
3.00	1.12	0.98	1.09	1.02	0.97	0.94	0.93	0.91	0.91	0.89	0.87
4.00	1.16	1.00	1.13	1.06	0.99	0.97	0.96	0.94	0.94	0.93	0.90
5.00	1.19	1.02	1.15	1.08	1.01	0.99	0.97	0.96	0.96	0.95	0.92

Ceiling mounted

Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	97006	98441	94496
50.0	61087	63454	64530
55.0	35535	36540	37746
60.0	24256	23841	24394
65.0	28206	18658	28697
70.0	17460	16584	17460
75.0	14432	13719	14521
80.0	11419	10888	11552
85.0	7143	6878	7936
90.0	-	-	-

(cd/m2)

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data subject to change