



Zadora LED, fixed

BBG462 LED40-7W-2700GU10 ALU 50W

BBG462 - MASTER LED

Zadora LED is a range of recessed fixed and adjustable downlights for MASTERLEDspot lamps. They come in ready-to-install KIT versions including the MASTERLEDspot MV lamp or MASTER LEDspot GU5.3 10 W lamp and its driver. MASTER LEDspot delivers huge energy savings and minimizes maintenance cost without compromising on brightness, enabling owners to achieve a return on their investment within one year. The adjustable version offers 30° orientation from the vertical. Both lamps deliver a flux equivalent to that of a 50 W halogen lamp. Zadora LED downlights are available in different color finishes. Maintenance is easy as the lamp can be accessed directly.



PHILIPS
sense and simplicity

Product data

• General information

Product family code	BBG462 [BBG462]
Number of lamps	1 [1 pc]
Lamp family code	LED [MASTER LED]
Beam angle of light source	40 D [40°]
Lamp power	7 W [7 W]
Lamp color code	WW [Warm white]
Lamp color temperature	2700 [2700 K]
Cap-base	GU10 [GU10]
Kombipack	K [Lamp(s) included]
Light source replaceable	true [Yes]
Transformer/ power supply unit	No [-]
Dimmable	true [Yes]
Connection	SCREW [Screw connector]
Safety class	CLI [Safety class I]
IP code	IP20 [Finger-protected]
Ambient temperature	-20 to +45°C [-20 to +45 °C]
Color	ALU [Aluminum]
Glow-wire test	850/5 [Temperature 850 °C, duration 5 s]
Flammability mark	F [For mounting on normally flammable surfaces]
Type description	50W [50 W equivalent]
European Community mark	CE [CE mark]
Lifetime to 70% luminous flux	40000 hr

• Light technical

Color rendering index	80 [80]
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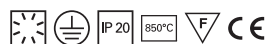
Total luminous flux	270 Lm
Luminous efficacy	38.5 Lm/W

• Electrical

System power	7 W [7 W]
Supply voltage	220-240 V [220 to 240 V]
Line frequency	50-60 Hz [50 to 60 Hz]

• Product Data

Order code	892037 99
Full product code	871794389203799
Full product name	BBG462 LED40-7W-2700GU10 ALU 50W
Order product name	BBG462 LED40-7W-2700GU10 ALU 50W
Pieces per pack	1
Packs per outerbox	36
Bar code on pack - EAN1	8717943892037
Bar code on intermediate packing - EAN2	8717943892099
Bar code on outerbox - EAN3	8717943892150
Logistic code(s) - 12NC	910503667718
Net weight per piece	0.260 kg



Dimensional drawing

BBG462/465

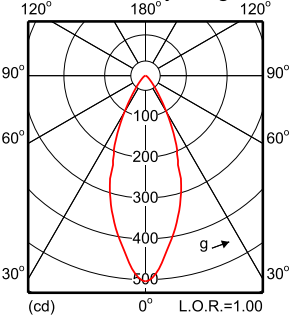
BBG462/465

Photometric data

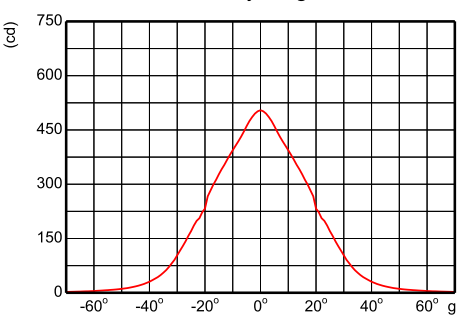
BBG462 1xLED-40--2700-GU10

1 x 270 lm

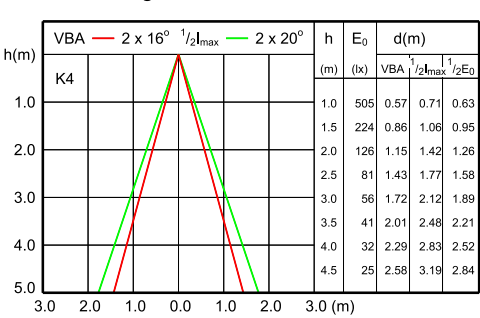
Polar Intensity Diagram



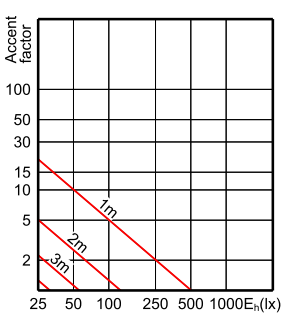
Cartesian intensity diagram



Beam diagram



Visual impact diagram



Light output ratio 1.00
Service upward 0.00
Service downward 1.00

I_{max} 505 cd

VBA 2 x 16°
BS ($\frac{1}{2}I_{max}$) 2 x 20°
BS ($\frac{1}{2}E_0$) 2 x 18°

K4

RZ080321

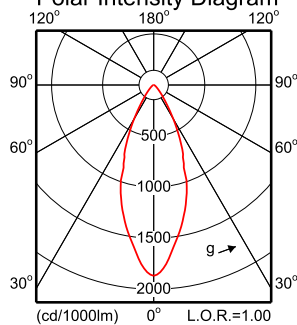
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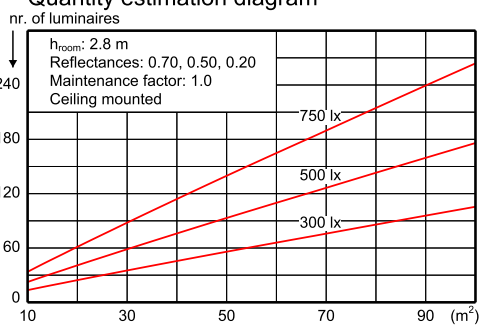
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1 x 270 lm

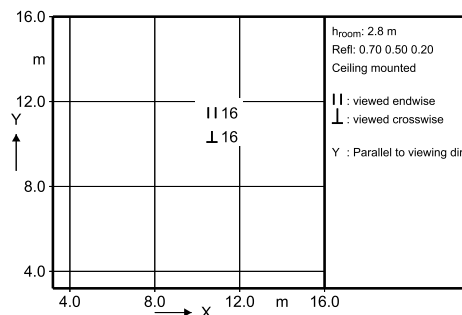
Polar Intensity Diagram



Quantity estimation diagram



UGR diagram



Light output ratio 1.00
 Service upward 0.00
 Service downward 1.00

CIE flux code 92 98 100 100 100

S/H ratio crosswise max. 0.7
 lengthwise max. 0.8

UGRcen (4Hx8H, 0.25H) 16
 UTE71-121: 1.00A + 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	0.00
0.60	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00	0.00
0.80	0.87	0.82	0.86	0.83	0.81	0.77	0.77	0.74	0.76	0.74	0.73	0.73
1.00	0.93	0.87	0.92	0.89	0.86	0.83	0.82	0.79	0.81	0.79	0.78	0.78
1.25	0.99	0.91	0.97	0.94	0.90	0.87	0.86	0.84	0.85	0.83	0.82	0.82
1.50	1.03	0.94	1.01	0.97	0.93	0.90	0.89	0.87	0.88	0.86	0.85	0.85
2.00	1.10	0.98	1.08	1.02	0.97	0.95	0.94	0.92	0.93	0.92	0.90	0.90
2.50	1.14	1.01	1.12	1.06	1.00	0.98	0.97	0.96	0.96	0.95	0.93	0.93
3.00	1.18	1.03	1.15	1.08	1.02	1.01	0.99	0.98	0.98	0.97	0.95	0.95
4.00	1.21	1.05	1.18	1.11	1.04	1.03	1.02	1.01	1.00	0.99	0.97	0.97
5.00	1.24	1.06	1.20	1.12	1.05	1.04	1.03	1.02	1.01	1.01	0.99	0.99

Ceiling mounted

Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	12684	12684	12684
50.0	8611	8611	8611
55.0	6464	6464	6464
60.0	4772	4772	4772
65.0	4063	4063	4063
70.0	3372	3372	3372
75.0	2076	2076	2076
80.0	940	940	940
85.0	0	0	0
90.0	-	-	-

(cd/m²)

RZ080321

2012-03-19

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2012, November 7
 data subject to change