PHILIPS

Lighting

Less Hassle, More Savings

Essential SmartBright LED Downlight

Essential SmartBright G2 LED Downlight is value for money product with high efficacy, good quality and reliability. It offers multiple configurations from 300lm to 2000lm output, to replace conventional downlight. It can be used for shopping mall, retail store, residential and office. It's an ideal product family to distribute in trade market.

Benefits

- Reliability and safety: meets national and international regulation
- Energy saving: High system efficacy with lower power consumption
- Diversity: One stop shopping with multiple choices of recess round, square as well as surface-mount to fit your dedicated applications
- Easy to install with slim design

Features

- Long life time: 20Khrs to 30Khrs(L70B50@25°C)
- System efficiency: up to 85lm/W
- One family offers recess round, square and surface mount options
- Slim design: 33mm housing body height

Application

- Retail
- Office
- Residential

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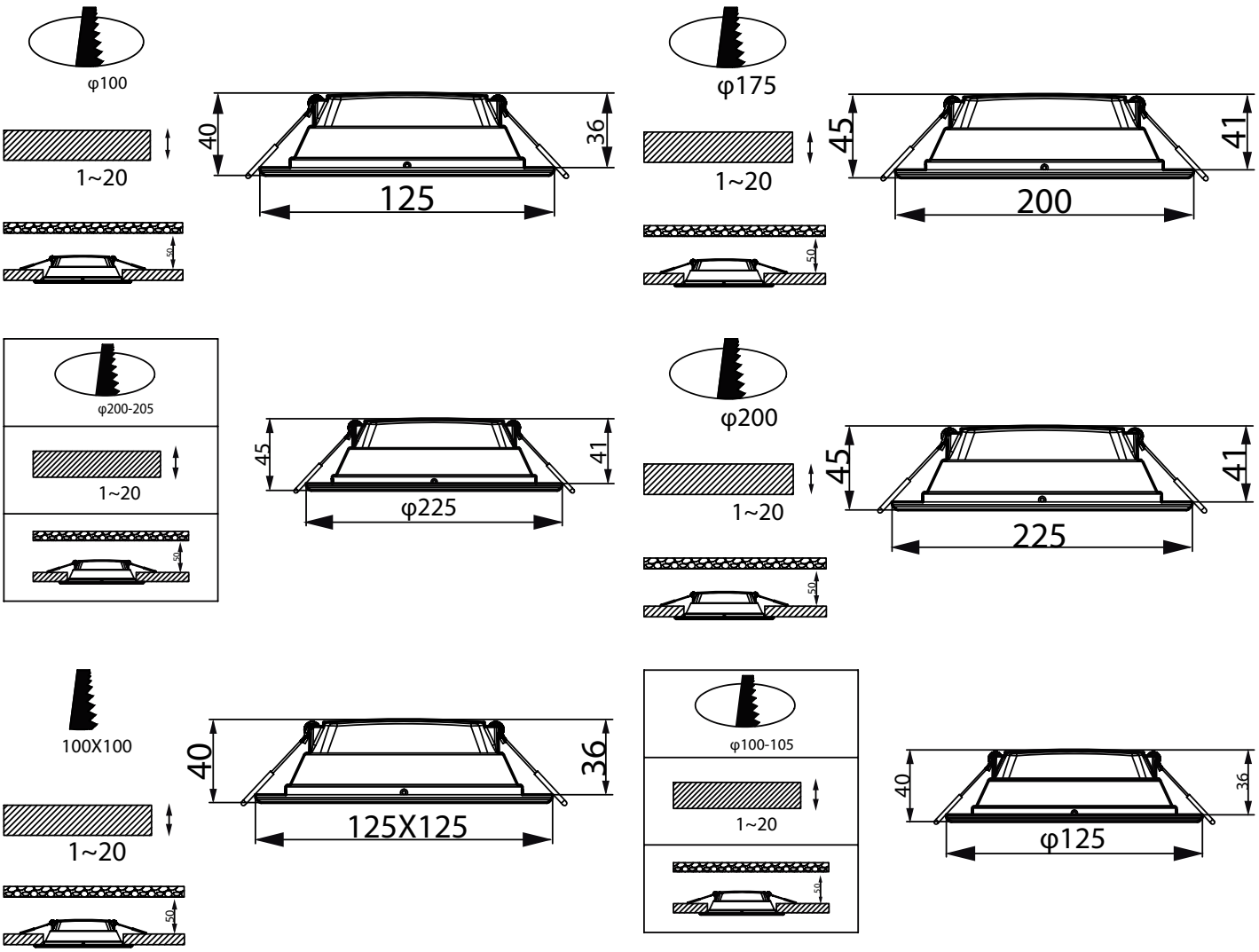
Versions

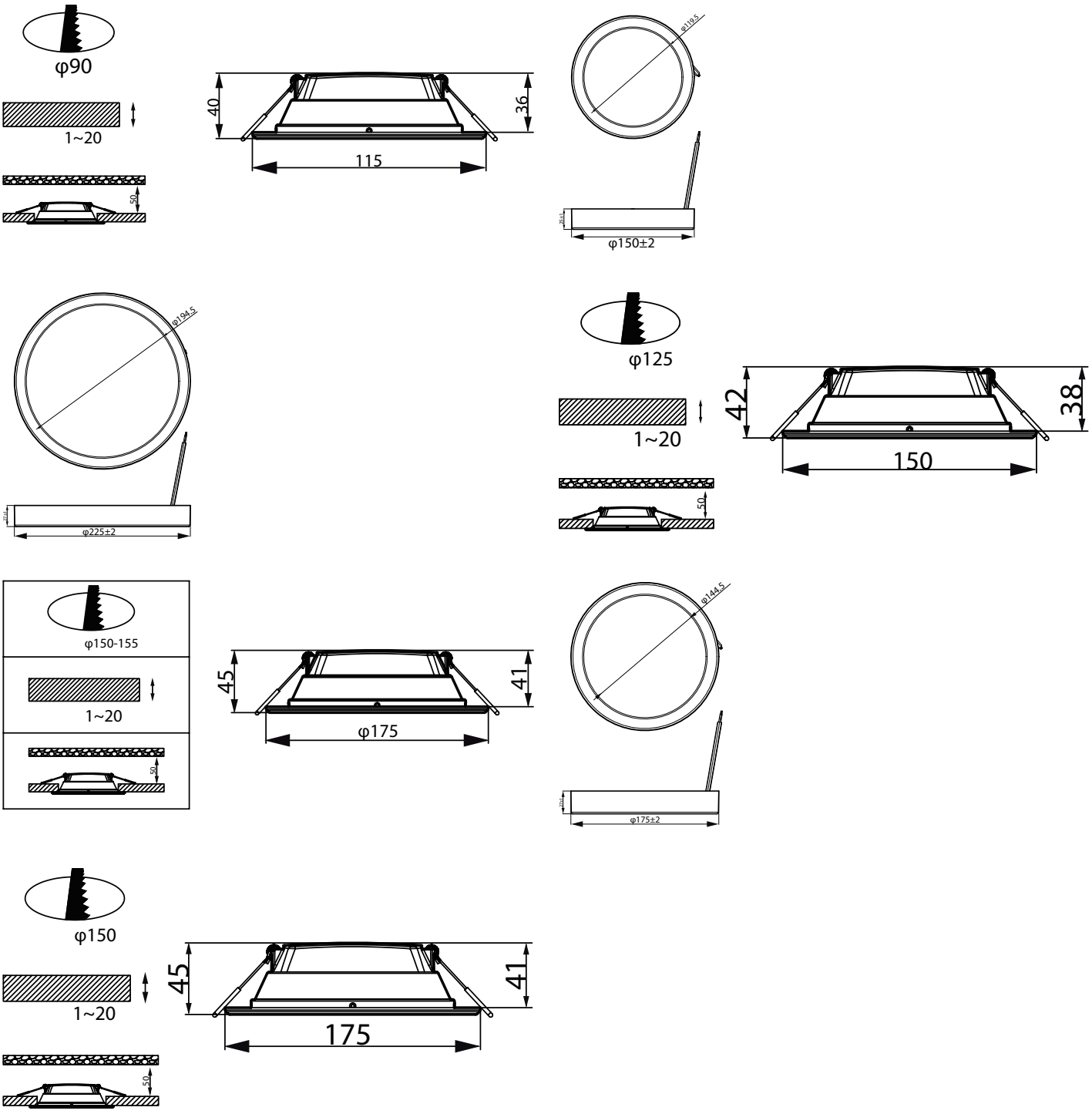
Downlight DN027B G3 SQ

Downlight DN027C G3 RD

Dimensional drawing



Dimensional drawing



Essential SmartBright LED Downlight

General Information	
Driver included	Yes
Flammability mark	For mounting on normally flammable surfaces
Glow-wire test	Temperature 650 °C, duration 30 s
Light source replaceable	No
Number of gear units	1 unit
Light Technical	
Color rendering index (CRI)	80
Optic type	Beam angle 110°
Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz
Temperature	
Ambient temperature range	-20 to +40 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Housing Color	White
Approval and Application	
Protection class IEC	Safety class II
Mech. impact protection code	IK03
Ingress protection code	IP20/40
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Over Time Performance (IEC Compliant)	
Driver failure rate at 5000 h	0.012 %
Application Conditions	
Suitable for random switching	No

Light Technical

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux
929002674838	DN027B G3 LED6/WW 6W 220-240V L100 SQ	3000 K	100.00 lm/W	600 lm
929002671538	DN027B G3 LED6/WW 6W 220-240V D90 RD	3000 K	100.00 lm/W	600 lm
929002671638	DN027B G3 LED6/NW 6W 220-240V D90 RD	4000 K	100.00 lm/W	600 lm
929002671738	DN027B G3 LED6/CW 6W 220-240V D90 RD	6500 K	100.00 lm/W	600 lm
929002672138	DN027B G3 LED6/WW 6W 220-240V D100 RD	3000 K	100.00 lm/W	600 lm
929002672238	DN027B G3 LED6/NW 6W 220-240V D100 RD	4000 K	100.00 lm/W	600 lm
929002672438	DN027B G3 LED6/WW 6W 220-240V D125 RD	3000 K	100.00 lm/W	600 lm
929002672538	DN027B G3 LED6/NW 6W 220-240V D125 RD	4000 K	108.00 lm/W	650 lm
929002672638	DN027B G3 LED6/CW 6W 220-240V D125 RD	6500 K	108.00 lm/W	650 lm
929002672838	DN027B G3 LED9/NW 9W 220-240V D125 RD	4000 K	105.00 lm/W	950 lm
929002673138	DN027B G3 LED9/NW 9W 220-240V D150 RD	4000 K	111.00 lm/W	1,000 lm
929002673438	DN027B G3 LED12/NW 12W 220-240V D150 RD	4000 K	108.00 lm/W	1,300 lm
929002673538	DN027B G3 LED12/CW 12W 220-240V D150 RD	6500 K	108.00 lm/W	1,300 lm
929002673638	DN027B G3 LED12/WW 12W 220-240V D175 RD	3000 K	100.00 lm/W	1,200 lm
929002673738	DN027B G3 LED12/NW 12W 220-240V D175 RD	4000 K	108.00 lm/W	1,300 lm
929002673838	DN027B G3 LED12/CW 12W 220-240V D175 RD	6500 K	108.00 lm/W	1,300 lm
929002673938	DN027B G3 LED15/WW 15W 220-240 D175 RD	3000 K	100.00 lm/W	1,500 lm
929002674038	DN027B G3 LED15/NW 15W 220-240 D175 RD	4000 K	106.00 lm/W	1,600 lm
929002674138	DN027B G3 LED15/CW 15W 220-240 D175 RD	6500 K	106.00 lm/W	1,600 lm
929002674638	DN027B G3 LED20/NW 19W 220-240V D200 RD	4000 K	110.00 lm/W	2,100 lm
929002674738	DN027B G3 LED20/CW 19W 220-240V D200 RD	6500 K	110.00 lm/W	2,100 lm
929002675838	DN027C G3 LED9/NW 9W 220-240V D150	4000 K	105.00 lm/W	950 lm
929002676138	DN027C G3 LED12/NW 12W 220-240V D175	4000 K	108.00 lm/W	1,300 lm
929002676738	DN027C G3 LED20/NW 19W 220-240V D225	4000 K	110.00 lm/W	2,100 lm

Operating and Electrical

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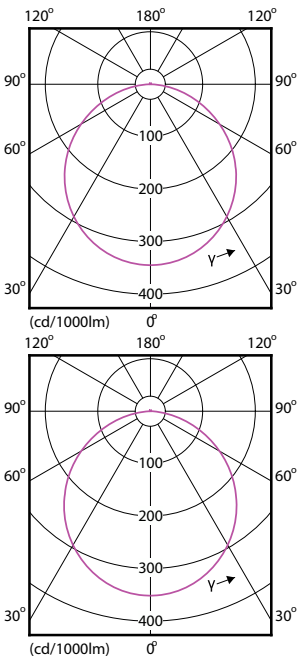
Order Code	Full Product Name	Power Consumption
929002674838	DN027B G3 LED6/WW 6W 220-240V L100 SQ	6 W
929002671538	DN027B G3 LED6/WW 6W 220-240V D90 RD	6 W
929002671638	DN027B G3 LED6/NW 6W 220-240V D90 RD	6 W
929002671738	DN027B G3 LED6/CW 6W 220-240V D90 RD	6 W
929002672138	DN027B G3 LED6/WW 6W 220-240V D100 RD	6 W
929002672238	DN027B G3 LED6/NW 6W 220-240V D100 RD	6 W
929002672438	DN027B G3 LED6/WW 6W 220-240V D125 RD	6 W
929002672538	DN027B G3 LED6/NW 6W 220-240V D125 RD	6 W
929002672638	DN027B G3 LED6/CW 6W 220-240V D125 RD	6 W
929002672838	DN027B G3 LED9/NW 9W 220-240V D125 RD	9 W
929002673138	DN027B G3 LED9/NW 9W 220-240V D150 RD	9 W
929002673438	DN027B G3 LED12/NW 12W 220-240V D150 RD	12 W

Order Code	Full Product Name	Power Consumption
929002673538	DN027B G3 LED12/CW 12W 220-240V D150 RD	12 W
929002673638	DN027B G3 LED12/WW 12W 220-240V D175 RD	12 W
929002673738	DN027B G3 LED12/NW 12W 220-240V D175 RD	12 W
929002673838	DN027B G3 LED12/CW 12W 220-240V D175 RD	12 W
929002673938	DN027B G3 LED15/WW 15W 220-240 D175 RD	15 W
929002674038	DN027B G3 LED15/NW 15W 220-240 D175 RD	15 W
929002674138	DN027B G3 LED15/CW 15W 220-240 D175 RD	15 W
929002674638	DN027B G3 LED20/NW 19W 220-240V D200 RD	19 W
929002674738	DN027B G3 LED20/CW 19W 220-240V D200 RD	19 W
929002675838	DN027C G3 LED9/NW 9W 220-240V D150	9 W
929002676138	DN027C G3 LED12/NW 12W 220-240V D175	12 W
929002676738	DN027C G3 LED20/NW 19W 220-240V D225	19 W

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial chromaticity
929002674838	DN027B G3 LED6/WW 6W 220-240V L100 SQ	(IEC3000K, 0.44, 0.403) < 5SDCM
929002671538	DN027B G3 LED6/WW 6W 220-240V D90 RD	(IEC3000K, 0.44, 0.403) < 5SDCM
929002671638	DN027B G3 LED6/NW 6W 220-240V D90 RD	(IEC4000K, 0.38, 0.38) < 5SDCM
929002671738	DN027B G3 LED6/CW 6W 220-240V D90 RD	(IEC6500K, 0.313, 0.337) < 5SDCM
929002672138	DN027B G3 LED6/WW 6W 220-240V D100 RD	(IEC3000K, 0.44, 0.403) < 5SDCM
929002672238	DN027B G3 LED6/NW 6W 220-240V D100 RD	(IEC4000K, 0.38, 0.38) < 5SDCM
929002672438	DN027B G3 LED6/WW 6W 220-240V D125 RD	(IEC3000K, 0.44, 0.403) < 5SDCM
929002672538	DN027B G3 LED6/NW 6W 220-240V D125 RD	(IEC4000K, 0.38, 0.38) < 5SDCM
929002672638	DN027B G3 LED6/CW 6W 220-240V D125 RD	(IEC6500K, 0.313, 0.337) < 5SDCM
929002672838	DN027B G3 LED9/NW 9W 220-240V D125 RD	(IEC4000K, 0.38, 0.38) < 5SDCM
929002673138	DN027B G3 LED9/NW 9W 220-240V D150 RD	(IEC4000K, 0.38, 0.38) < 5SDCM
929002673438	DN027B G3 LED12/NW 12W 220-240V D150 RD	(IEC4000K, 0.38, 0.38) < 5SDCM
929002673538	DN027B G3 LED12/CW 12W 220-240V D150 RD	(IEC6500K, 0.313, 0.337) < 5SDCM
929002673638	DN027B G3 LED12/WW 12W 220-240V D175 RD	(IEC3000K, 0.44, 0.403) < 5SDCM
929002673738	DN027B G3 LED12/NW 12W 220-240V D175 RD	(IEC4000K, 0.38, 0.38) < 5SDCM
929002673838	DN027B G3 LED12/CW 12W 220-240V D175 RD	(IEC6500K, 0.313, 0.337) < 5SDCM
929002673938	DN027B G3 LED15/WW 15W 220-240 D175 RD	(IEC3000K, 0.44, 0.403) < 5SDCM
929002674038	DN027B G3 LED15/NW 15W 220-240 D175 RD	(IEC4000K, 0.38, 0.38) < 5SDCM

Order Code	Full Product Name	Initial chromaticity
929002674138	DN027B G3 LED15/CW 15W 220-240 D175 RD	(IEC6500K, 0.313, 0.337) < 5SDCM
929002674638	DN027B G3 LED20/NW 19W 220-240V D200 RD	(IEC4000K, 0.38, 0.38) < 5SDCM
929002674738	DN027B G3 LED20/CW 19W 220-240V D200 RD	(IEC6500K, 0.313, 0.337) < 5SDCM
929002675838	DN027C G3 LED9/NW 9W 220-240V D150	(IEC4000K, 0.38, 0.38) < 5SDCM
929002676138	DN027C G3 LED12/NW 12W 220-240V D175	(IEC4000K, 0.38, 0.38) < 5SDCM
929002676738	DN027C G3 LED20/NW 19W 220-240V D225	(IEC4000K, 0.38, 0.38) < 5SDCM



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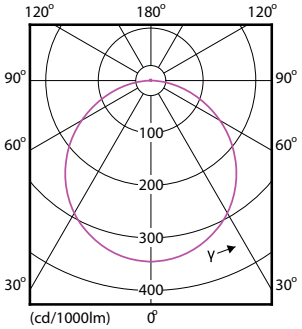

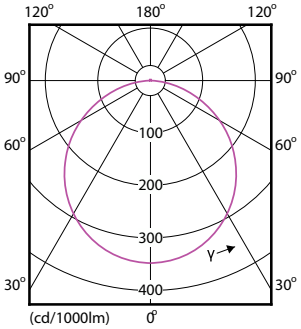

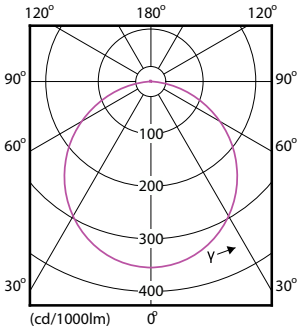

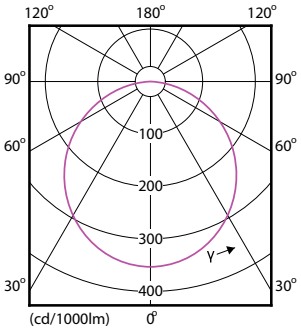

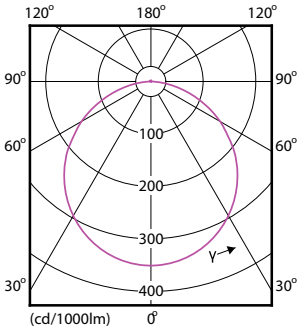

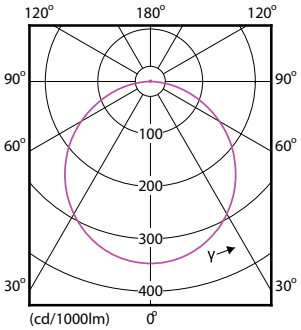

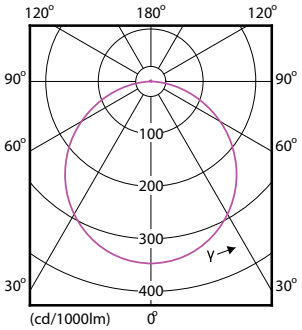

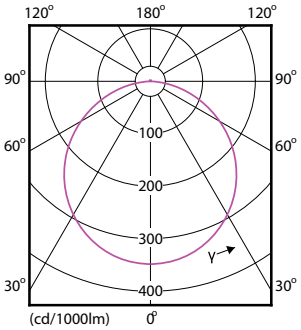

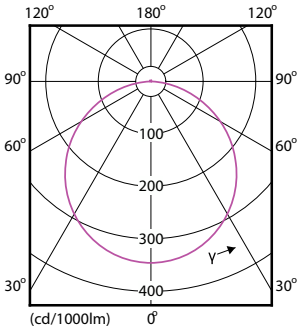

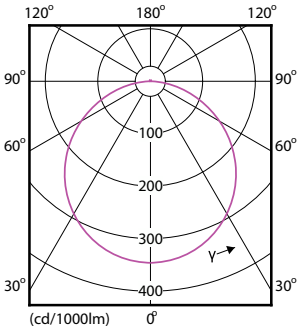

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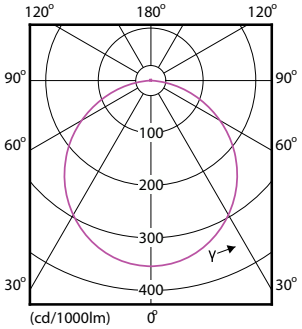

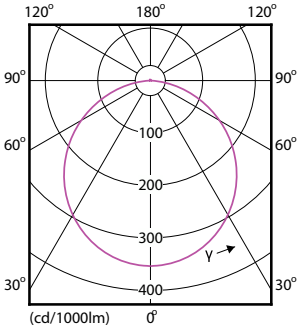

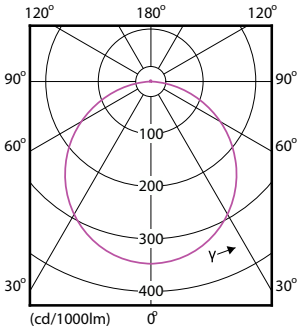

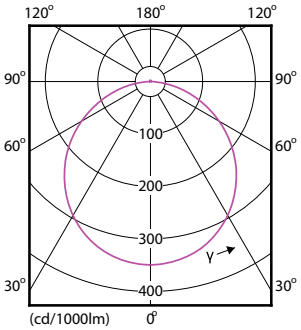

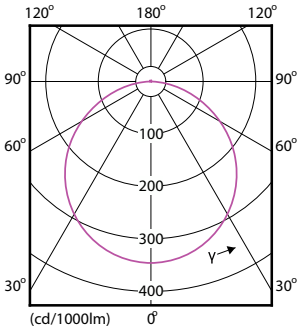

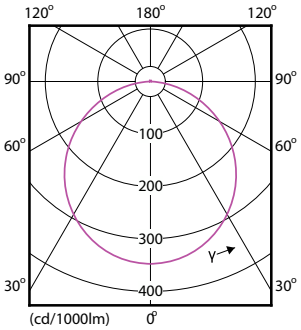

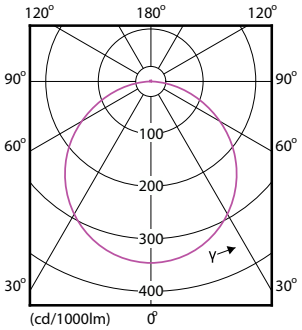

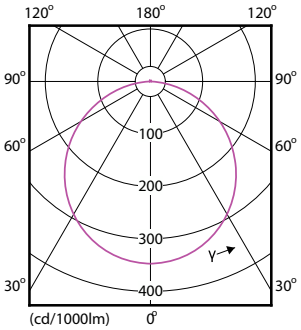

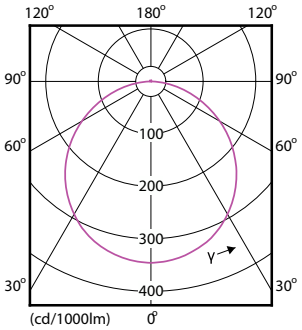

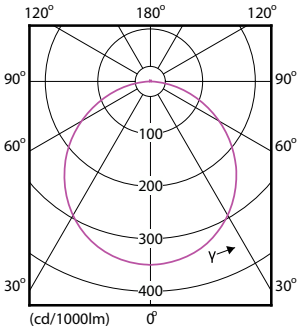

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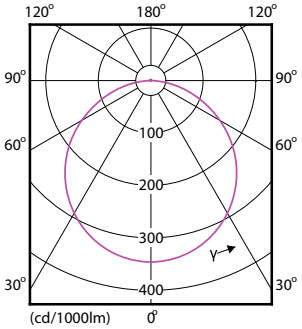

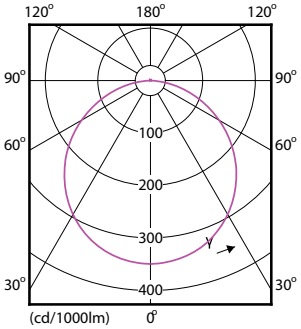

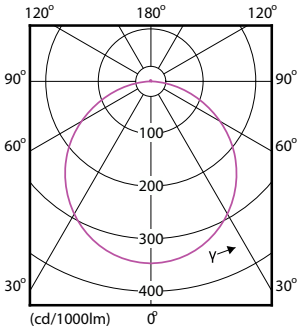

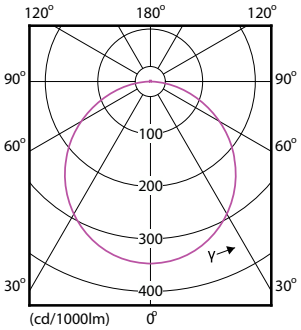

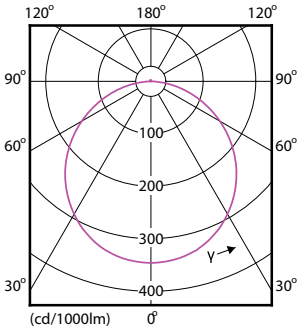

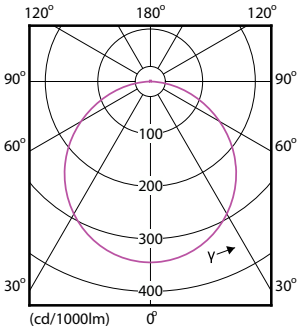

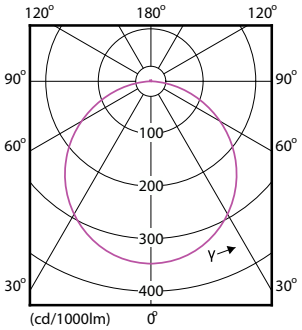

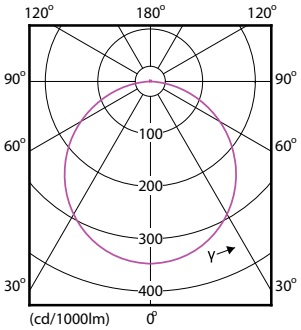

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