



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

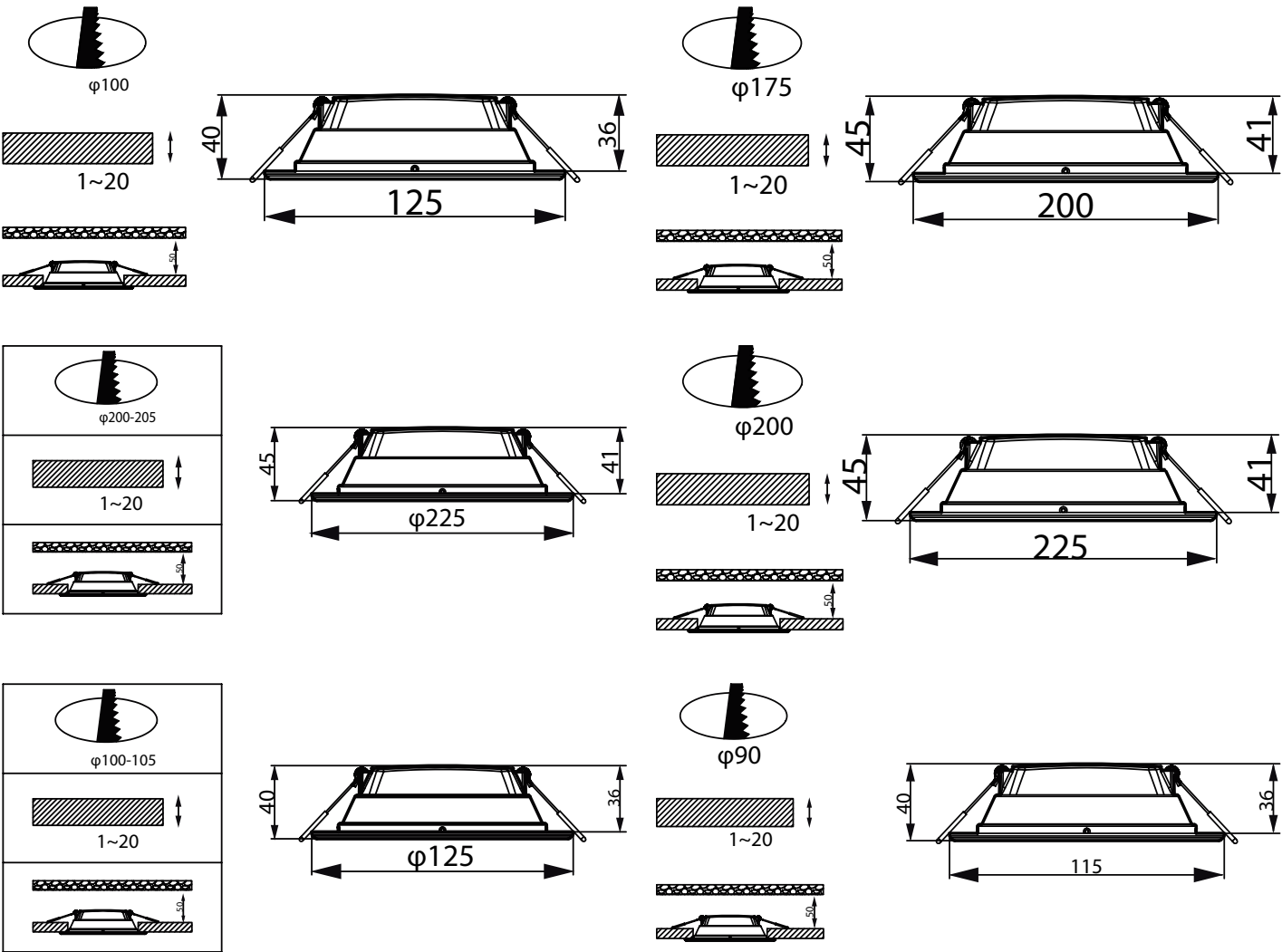
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Versions



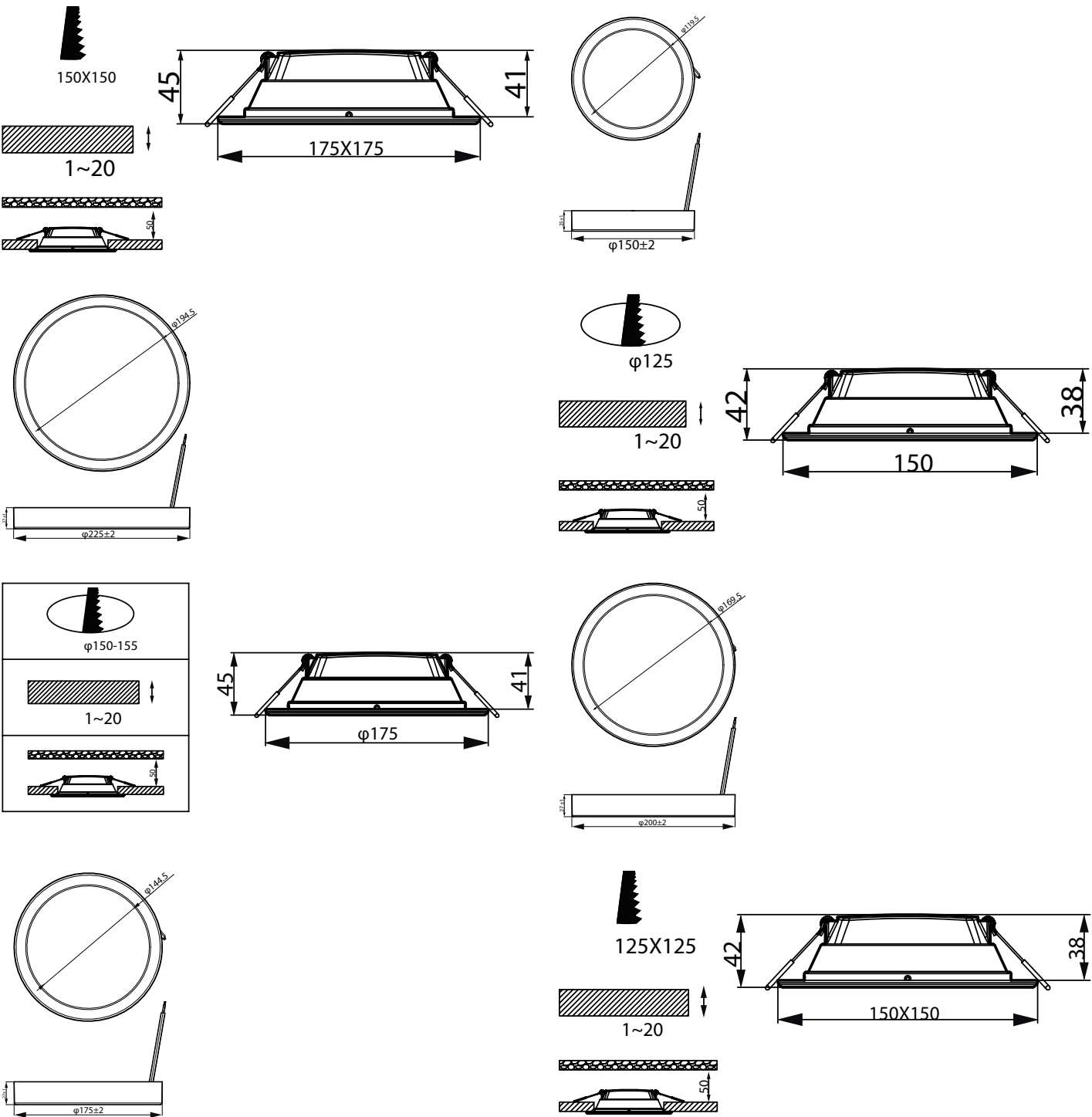
Downlight DN027B G3 RD

Dimensional drawing



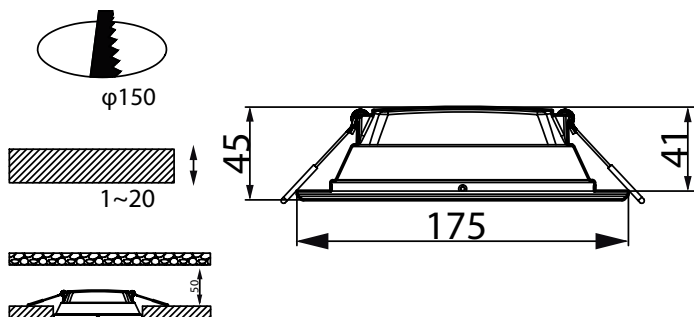
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Dimensional drawing



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Dimensional drawing



General Information

Driver included	Yes
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

Protection class IEC	Safety class II
Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz
Suitable for random switching	No

Controls and Dimming

Dimmable	No
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Mechanical and Housing

Housing Color	White
Mech. impact protection code	IK03
Ingress protection code	IP20/40

Approval and Application

Ambient temperature range	-20 to +40 °C
Flammability mark	For mounting on normally flammable surfaces
Glow-wire test	Temperature 650 °C, duration 30 s

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
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Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	0.012 %
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Light Technical

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux
929002675238	DN027B G3 LED9/NW 9W 220-240V L125 SQ	4000 K	105.00 lm/W	950 lm
929002675338	DN027B G3 LED9/CW 9W 220-240V L125 SQ	6500 K	105.00 lm/W	950 lm
929002675538	DN027B G3 LED12/NW 12W 220-240V L150 SQ	4000 K	108.00 lm/W	1,300 lm
929002675638	DN027B G3 LED12/CW 12W 220-240V L150 SQ	6500 K	108.00 lm/W	1,300 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
929002672338	DN027B G3 LED6/CW 6W 220-240V D100 RD	6500 K	100.00 lm/W	600 lm
929002672738	DN027B G3 LED9/WW 9W 220-240V D125 RD	3000 K	100.00 lm/W	900 lm
929002672838	DN027B G3 LED9/NW 9W 220-240V D125 RD	4000 K	105.00 lm/W	950 lm
929002672938	DN027B G3 LED9/CW 9W 220-240V D125 RD	6500 K	105.00 lm/W	950 lm
929002673338	DN027B G3 LED12/WW 12W 220-240V D150 RD	3000 K	100.00 lm/W	1,200 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
929002673938	DN027B G3 LED15/WW 15W 220-240 D175 RD	3000 K	100.00 lm/W	1,500 lm

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Order Code	Full Product Name	Correlated Color	Luminous Efficacy	
		Temperature (Nom)	(rated) (Nom)	Luminous Flux
929002674038	DN027B G3 LED15/NW 15W 220-240V D175 RD	4000 K	106.00 lm/W	1,600 lm
929002674138	DN027B G3 LED15/CW 15W 220-240V D175 RD	6500 K	106.00 lm/W	1,600 lm
929002674538	DN027B G3 LED20/WW 19W 220-240V D200 RD	3000 K	105.00 lm/W	2,000 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
929002675738	DN027C G3 LED9/WW 9W 220-240V D150	3000 K	100.00 lm/W	900 lm
929002675838	DN027C G3 LED9/NW 9W 220-240V D150	4000 K	105.00 lm/W	950 lm
929002675938	DN027C G3 LED9/CW 9W 220-240V D150	6500 K	105.00 lm/W	950 lm
929002676038	DN027C G3 LED12/WW 12W 220-240V D175	3000 K	100.00 lm/W	1,200 lm
929002676138	DN027C G3 LED12/NW 12W 220-240V D175	4000 K	108.00 lm/W	1,300 lm
929002676238	DN027C G3 LED12/CW 12W 220-240V D175	6500 K	108.00 lm/W	1,300 lm
929002676338	DN027C G3 LED15/WW 15W 220-240V D200	3000 K	100.00 lm/W	1,500 lm
929002676438	DN027C G3 LED15/NW 15W 220-240V D200	4000 K	106.00 lm/W	1,600 lm
929002676538	DN027C G3 LED15/CW 15W 220-240V D200	6500 K	106.00 lm/W	1,600 lm
929002676638	DN027C G3 LED20/WW 19W 220-240V D225	3000 K	105.00 lm/W	2,000 lm
929002676738	DN027C G3 LED20/NW 19W 220-240V D225	4000 K	110.00 lm/W	2,100 lm
929002676838	DN027C G3 LED20/CW 19W 220-240V D225	6500 K	110.00 lm/W	2,100 lm

Operating and Electrical

Order Code	Full Product Name	Power Consumption	Order Code	Full Product Name	Power Consumption
929002675238	DN027B G3 LED9/NW 9W 220-240V L125 SQ	9 W	929002673338	DN027B G3 LED12/WW 12W 220-240V D150 RD	12 W
929002675338	DN027B G3 LED9/CW 9W 220-240V L125 SQ	9 W	929002673438	DN027B G3 LED12/NW 12W 220-240V D150 RD	12 W
929002675538	DN027B G3 LED12/NW 12W 220-240V L150 SQ	12 W	929002673538	DN027B G3 LED12/CW 12W 220-240V D150 RD	12 W
929002675638	DN027B G3 LED12/CW 12W 220-240V L150 SQ	12 W	929002673938	DN027B G3 LED15/WW 15W 220-240V D175 RD	15 W
929002671538	DN027B G3 LED6/WW 6W 220-240V D90 RD	6 W	929002674038	DN027B G3 LED15/NW 15W 220-240V D175 RD	15 W
929002671638	DN027B G3 LED6/NW 6W 220-240V D90 RD	6 W	929002674138	DN027B G3 LED15/CW 15W 220-240V D175 RD	15 W
929002671738	DN027B G3 LED6/CW 6W 220-240V D90 RD	6 W	929002674538	DN027B G3 LED20/WW 19W 220-240V D200 RD	19 W
929002672138	DN027B G3 LED6/WW 6W 220-240V D100 RD	6 W	929002674638	DN027B G3 LED20/NW 19W 220-240V D200 RD	19 W
929002672238	DN027B G3 LED6/NW 6W 220-240V D100 RD	6 W	929002674738	DN027B G3 LED20/CW 19W 220-240V D200 RD	19 W
929002672338	DN027B G3 LED6/CW 6W 220-240V D100 RD	6 W	929002675738	DN027C G3 LED9/WW 9W 220-240V D150	9 W
929002672738	DN027B G3 LED9/WW 9W 220-240V D125 RD	9 W	929002675838	DN027C G3 LED9/NW 9W 220-240V D150	9 W
929002672838	DN027B G3 LED9/NW 9W 220-240V D125 RD	9 W	929002675938	DN027C G3 LED9/CW 9W 220-240V D150	9 W
929002672938	DN027B G3 LED9/CW 9W 220-240V D125 RD	9 W	929002676038	DN027C G3 LED12/WW 12W 220-240V D175	12 W

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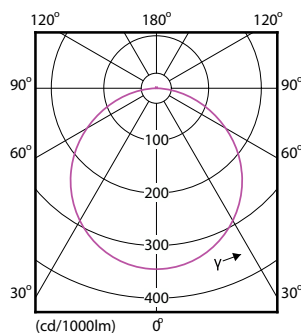
Order Code	Full Product Name	Power Consumption
929002676138	DN027C G3 LED12/NW 12W 220-240V D175	12 W
929002676238	DN027C G3 LED12/CW 12W 220-240V D175	12 W
929002676338	DN027C G3 LED15/WW 15W 220-240V D200	15 W
929002676438	DN027C G3 LED15/NW 15W 220-240V D200	15 W

Initial Performance (IEC Compliant)

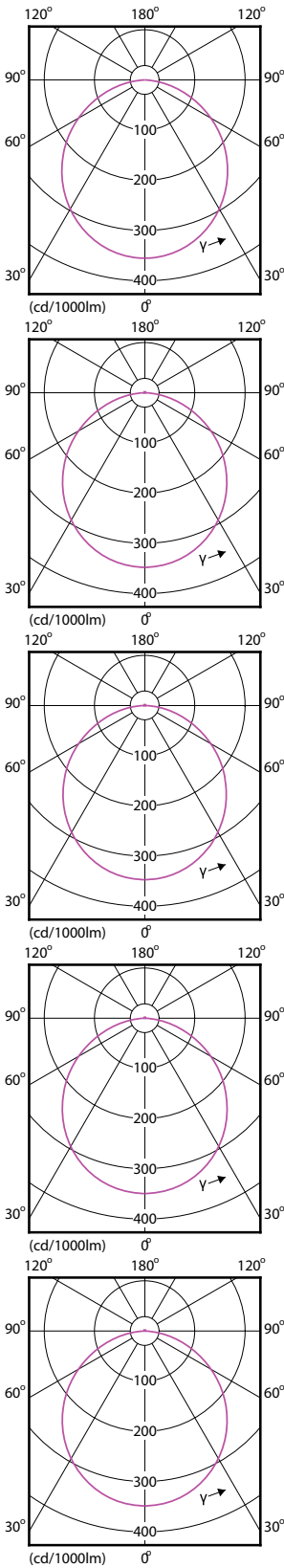
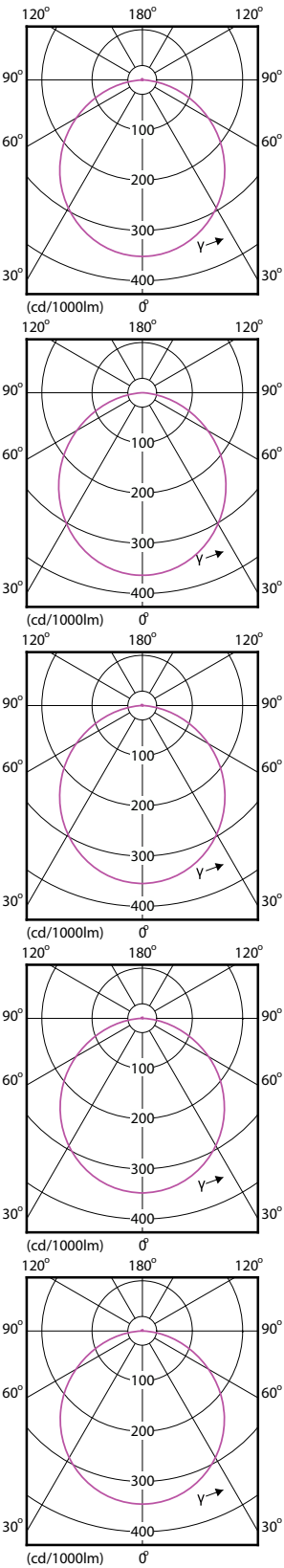
Order Code	Full Product Name	Initial chromaticity
929002675238	DN027B G3 LED9/NW 9W 220-240V L125 SQ	(IEC4000K, 0.38, 0.38) < 5SDCM
929002675338	DN027B G3 LED9/CW 9W 220-240V L125 SQ	(IEC6500K, 0.313, 0.337) < 5SDCM
929002675538	DN027B G3 LED12/NW 12W 220-240V L150 SQ	(IEC4000K, 0.38, 0.38) < 5SDCM
929002675638	DN027B G3 LED12/CW 12W 220-240V L150 SQ	(IEC6500K, 0.313, 0.337) < 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
929002672338	DN027B G3 LED6/CW 6W 220-240V D100 RD	(IEC6500K, 0.313, 0.337) < 5SDCM
929002672738	DN027B G3 LED9/WW 9W 220-240V D125 RD	(IEC3000K, 0.44, 0.403) < 5SDCM
929002672838	DN027B G3 LED9/NW 9W 220-240V D125 RD	(IEC4000K, 0.38, 0.38) < 5SDCM
929002672938	DN027B G3 LED9/CW 9W 220-240V D125 RD	(IEC6500K, 0.313, 0.337) < 5SDCM
929002673338	DN027B G3 LED12/WW 12W 220-240V D150 RD	(IEC3000K, 0.44, 0.403) < 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
929002673938	DN027B G3 LED15/WW 15W 220-240V D175 RD	(IEC3000K, 0.44, 0.403) < 5SDCM
929002674038	DN027B G3 LED15/NW 15W 220-240V D175 RD	(IEC4000K, 0.38, 0.38) < 5SDCM
929002674138	DN027B G3 LED15/CW 15W 220-240V D175 RD	(IEC6500K, 0.313, 0.337) < 5SDCM
929002674538	DN027B G3 LED20/WW 19W 220-240V D200 RD	(IEC3000K, 0.44, 0.403) < 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

Order Code	Full Product Name	Power Consumption
929002676538	DN027C G3 LED15/CW 15W 220-240V D200	15 W
929002676638	DN027C G3 LED20/WW 19W 220-240V D225	19 W
929002676738	DN027C G3 LED20/NW 19W 220-240V D225	19 W
929002676838	DN027C G3 LED20/CW 19W 220-240V D225	19 W

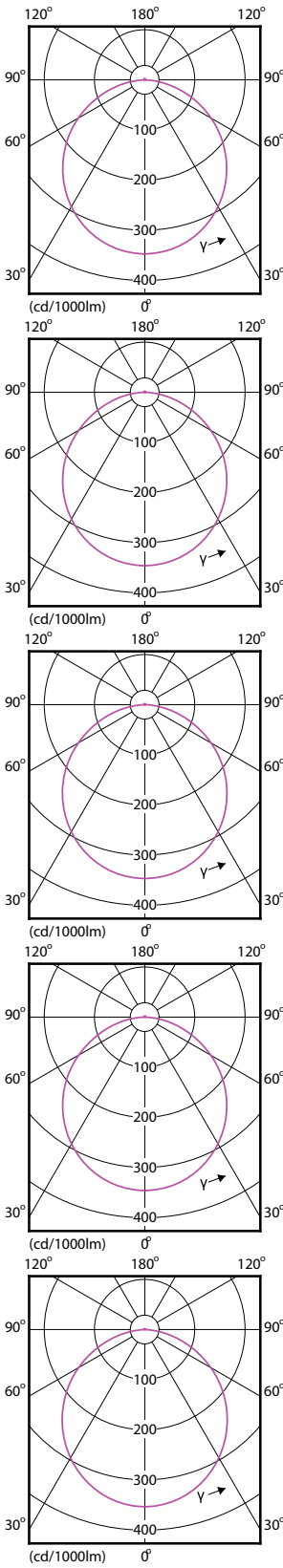
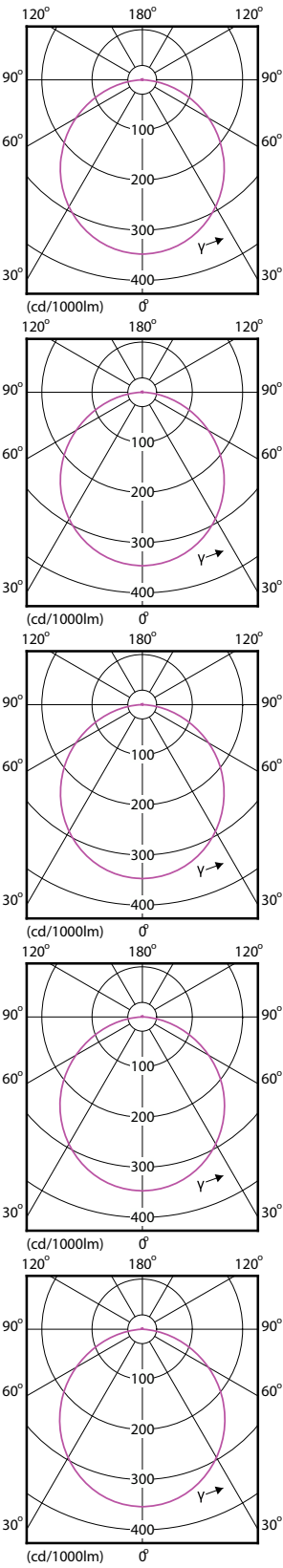
Order Code	Full Product Name	Initial chromaticity
929002675738	DN027C G3 LED9/WW 9W 220-240V D150	(IEC3000K, 0.44, 0.403) < 5SDCM
929002675838	DN027C G3 LED9/NW 9W 220-240V D150	(IEC4000K, 0.38, 0.38) < 5SDCM
929002675938	DN027C G3 LED9/CW 9W 220-240V D150	(IEC6500K, 0.313, 0.337) < 5SDCM
929002676038	DN027C G3 LED12/WW 12W 220-240V D175	(IEC3000K, 0.44, 0.403) < 5SDCM
929002676138	DN027C G3 LED12/NW 12W 220-240V D175	(IEC4000K, 0.38, 0.38) < 5SDCM
929002676238	DN027C G3 LED12/CW 12W 220-240V D175	(IEC6500K, 0.313, 0.337) < 5SDCM
929002676338	DN027C G3 LED15/WW 15W 220-240V D200	(IEC3000K, 0.44, 0.403) < 5SDCM
929002676438	DN027C G3 LED15/NW 15W 220-240V D200	(IEC4000K, 0.38, 0.38) < 5SDCM
929002676538	DN027C G3 LED15/CW 15W 220-240V D200	(IEC6500K, 0.313, 0.337) < 5SDCM
929002676638	DN027C G3 LED20/WW 19W 220-240V D225	(IEC3000K, 0.44, 0.403) < 5SDCM
929002676738	DN027C G3 LED20/NW 19W 220-240V D225	(IEC4000K, 0.38, 0.38) < 5SDCM
929002676838	DN027C G3 LED20/CW 19W 220-240V D225	(IEC6500K, 0.313, 0.337) < 5SDCM



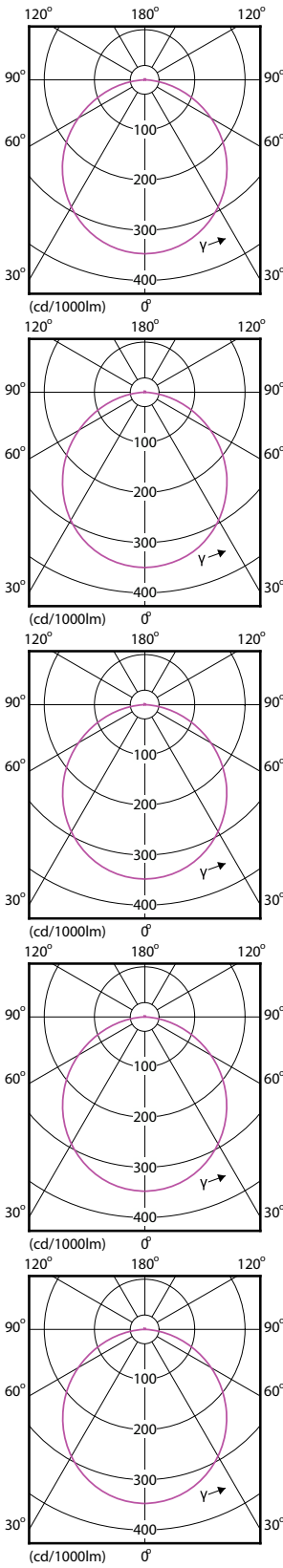
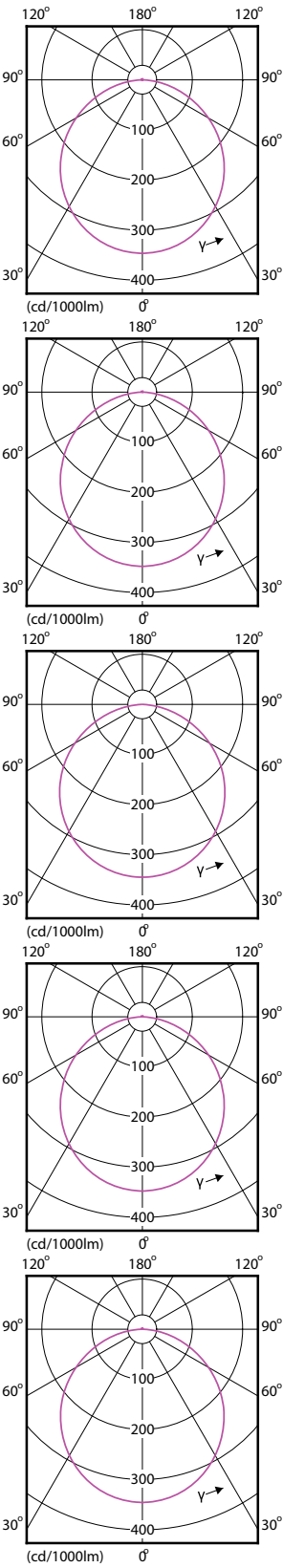
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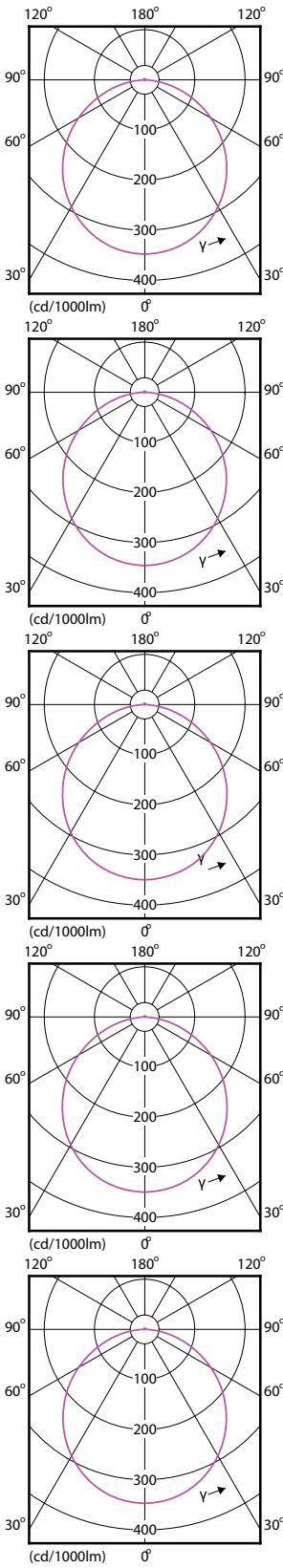
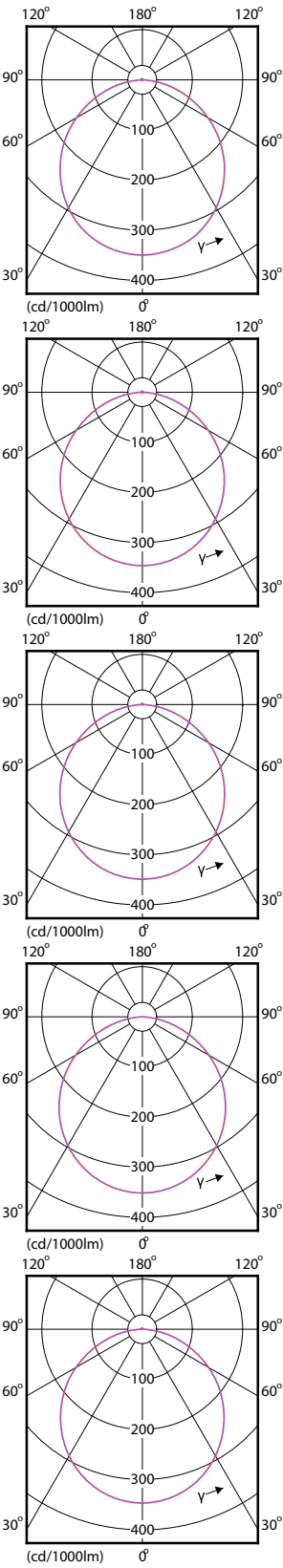
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