



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

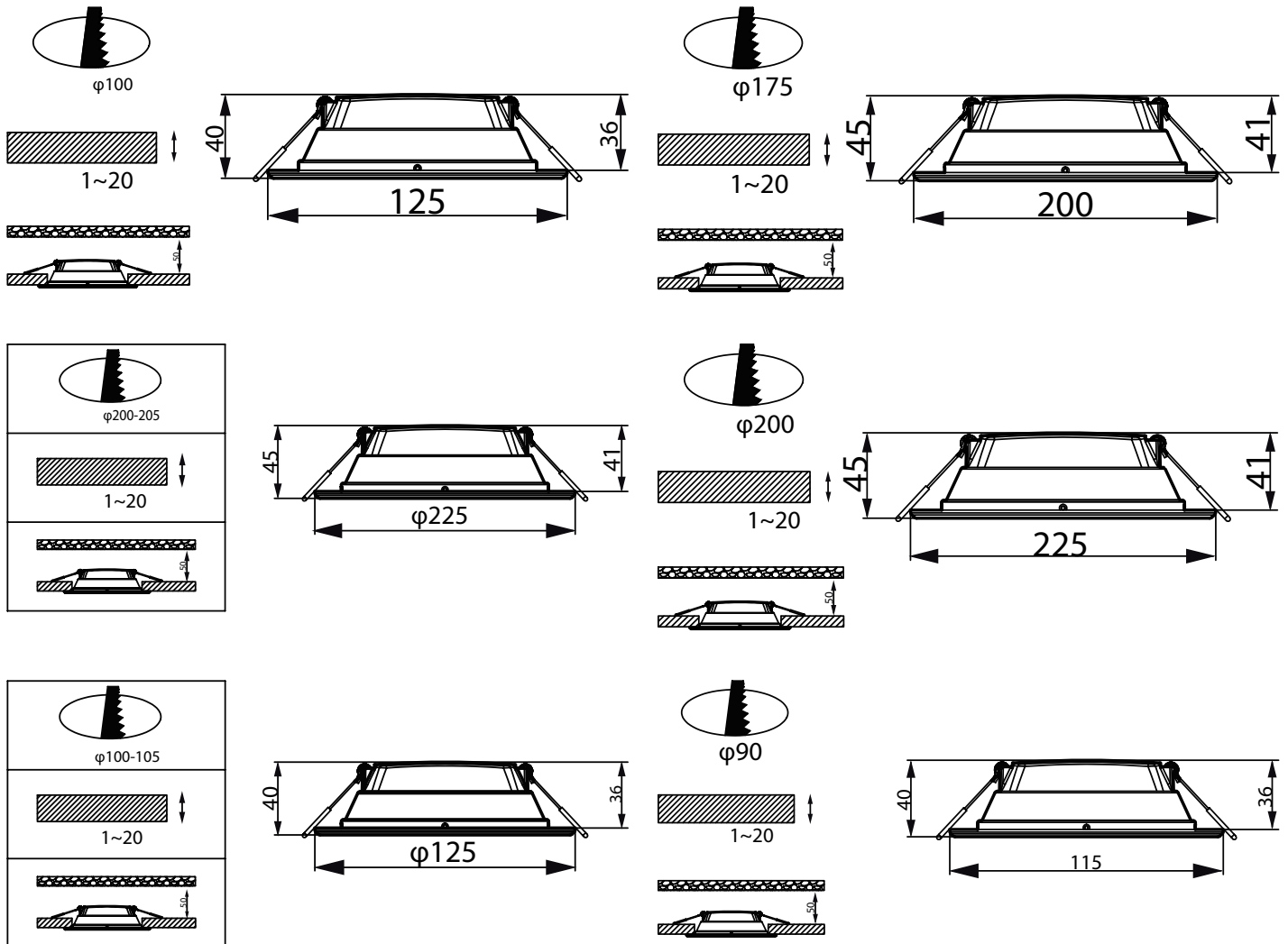
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Versions



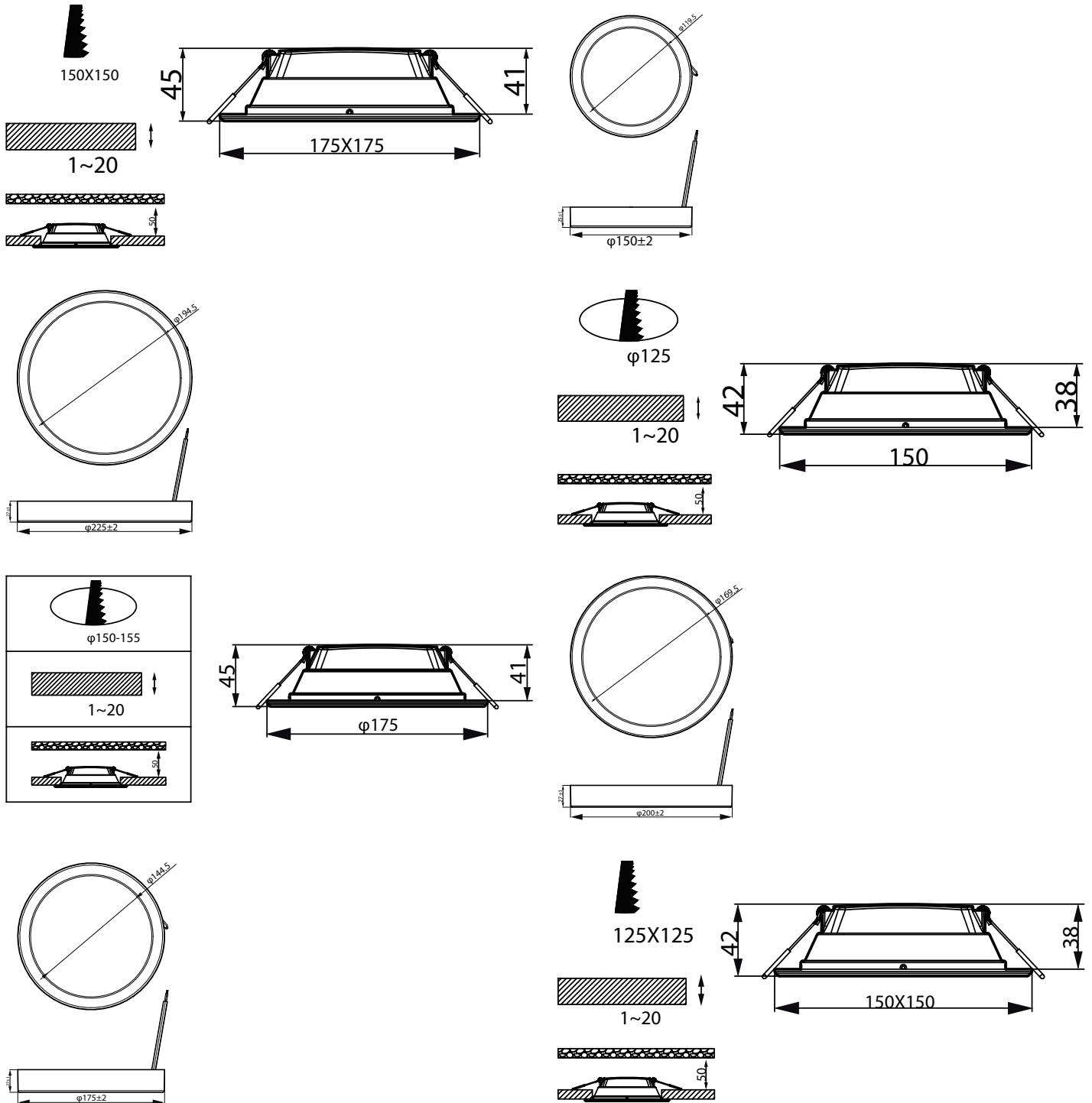
Downlight DN027B G3 SQ

Dimensional drawing



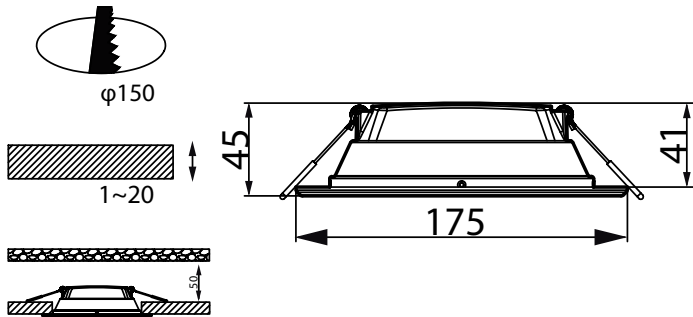
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Dimensional drawing



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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
34534800	DN027B G3 LED9/NW 9W 220-240V L125 SQ	4000 K	105.00 lm/W	950 lm
34536200	DN027B G3 LED9/CW 9W 220-240V L125 SQ	6500 K	105.00 lm/W	950 lm
34540900	DN027B G3 LED12/NW 12W 220-240V L150 SQ	4000 K	108.00 lm/W	1,300 lm
34542300	DN027B G3 LED12/CW 12W 220-240V L150 SQ	6500 K	108.00 lm/W	1,300 lm
34550800	DN027B G3 LED6/WW 6W 220-240V D90 RD	3000 K	100.00 lm/W	600 lm
34552200	DN027B G3 LED6/NW 6W 220-240V D90 RD	4000 K	100.00 lm/W	600 lm
34554600	DN027B G3 LED6/CW 6W 220-240V D90 RD	6500 K	100.00 lm/W	600 lm
34562100	DN027B G3 LED6/WW 6W 220-240V D100 RD	3000 K	100.00 lm/W	600 lm
34564500	DN027B G3 LED6/NW 6W 220-240V D100 RD	4000 K	100.00 lm/W	600 lm
34488400	DN027B G3 LED6/CW 6W 220-240V D100 RD	6500 K	100.00 lm/W	600 lm
34496900	DN027B G3 LED9/WW 9W 220-240V D125 RD	3000 K	100.00 lm/W	900 lm
34498300	DN027B G3 LED9/NW 9W 220-240V D125 RD	4000 K	105.00 lm/W	950 lm
34500300	DN027B G3 LED9/CW 9W 220-240V D125 RD	6500 K	105.00 lm/W	950 lm
34508900	DN027B G3 LED12/WW 12W 220-240V D150 RD	3000 K	100.00 lm/W	1,200 lm
34510200	DN027B G3 LED12/NW 12W 220-240V D150 RD	4000 K	108.00 lm/W	1,300 lm
34512600	DN027B G3 LED12/CW 12W 220-240V D150 RD	6500 K	108.00 lm/W	1,300 lm
34566900	DN027B G3 LED15/WW 15W 220-240V D175 RD	3000 K	100.00 lm/W	1,500 lm

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Order Code	Full Product Name	Correlated Color	Luminous Efficacy	Luminous Flux
		Temperature (Nom)	(rated) (Nom)	
34568300	DN027B G3 LED15/NW 15W 220-240 D175 RD	4000 K	106.00 lm/W	1,600 lm
34570600	DN027B G3 LED15/CW 15W 220-240 D175 RD	6500 K	106.00 lm/W	1,600 lm
34520100	DN027B G3 LED20/WW 19W 220-240V D200 RD	3000 K	105.00 lm/W	2,000 lm
34522500	DN027B G3 LED20/NW 19W 220-240V D200 RD	4000 K	110.00 lm/W	2,100 lm
34524900	DN027B G3 LED20/CW 19W 220-240V D200 RD	6500 K	110.00 lm/W	2,100 lm
35099100	DN027C G3 LED9/WW 9W 220-240V D150	3000 K	100.00 lm/W	900 lm
35101100	DN027C G3 LED9/NW 9W 220-240V D150	4000 K	105.00 lm/W	950 lm
35103500	DN027C G3 LED9/CW 9W 220-240V D150	6500 K	105.00 lm/W	950 lm
35105900	DN027C G3 LED12/WW 12W 220-240V D175	3000 K	100.00 lm/W	1,200 lm
35107300	DN027C G3 LED12/NW 12W 220-240V D175	4000 K	108.00 lm/W	1,300 lm
35109700	DN027C G3 LED12/CW 12W 220-240V D175	6500 K	108.00 lm/W	1,300 lm
35111000	DN027C G3 LED15/WW 15W 220-240V D200	3000 K	100.00 lm/W	1,500 lm
35113400	DN027C G3 LED15/NW 15W 220-240V D200	4000 K	106.00 lm/W	1,600 lm
35115800	DN027C G3 LED15/CW 15W 220-240V D200	6500 K	106.00 lm/W	1,600 lm
35117200	DN027C G3 LED20/WW 19W 220-240V D225	3000 K	105.00 lm/W	2,000 lm
35119600	DN027C G3 LED20/NW 19W 220-240V D225	4000 K	110.00 lm/W	2,100 lm
35121900	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
34534800	DN027B G3 LED9/NW 9W 220-240V L125 SQ	9 W	34508900	DN027B G3 LED12/WW 12W 220-240V D150 RD	12 W
34536200	DN027B G3 LED9/CW 9W 220-240V L125 SQ	9 W	34510200	DN027B G3 LED12/NW 12W 220-240V D150 RD	12 W
34540900	DN027B G3 LED12/NW 12W 220-240V L150 SQ	12 W	34512600	DN027B G3 LED12/CW 12W 220-240V D150 RD	12 W
34542300	DN027B G3 LED12/CW 12W 220-240V L150 SQ	12 W	34566900	DN027B G3 LED15/WW 15W 220-240 D175 RD	15 W
34550800	DN027B G3 LED6/WW 6W 220-240V D90 RD	6 W	34568300	DN027B G3 LED15/NW 15W 220-240 D175 RD	15 W
34552200	DN027B G3 LED6/NW 6W 220-240V D90 RD	6 W	34570600	DN027B G3 LED15/CW 15W 220-240 D175 RD	15 W
34554600	DN027B G3 LED6/CW 6W 220-240V D90 RD	6 W	34520100	DN027B G3 LED20/WW 19W 220-240V D200 RD	19 W
34562100	DN027B G3 LED6/WW 6W 220-240V D100 RD	6 W	34522500	DN027B G3 LED20/NW 19W 220-240V D200 RD	19 W
34564500	DN027B G3 LED6/NW 6W 220-240V D100 RD	6 W	34524900	DN027B G3 LED20/CW 19W 220-240V D200 RD	19 W
34488400	DN027B G3 LED6/CW 6W 220-240V D100 RD	6 W	35099100	DN027C G3 LED9/WW 9W 220-240V D150	9 W
34496900	DN027B G3 LED9/WW 9W 220-240V D125 RD	9 W	35101100	DN027C G3 LED9/NW 9W 220-240V D150	9 W
34498300	DN027B G3 LED9/NW 9W 220-240V D125 RD	9 W	35103500	DN027C G3 LED9/CW 9W 220-240V D150	9 W
34500300	DN027B G3 LED9/CW 9W 220-240V D125 RD	9 W	35105900	DN027C G3 LED12/WW 12W 220-240V D175	12 W

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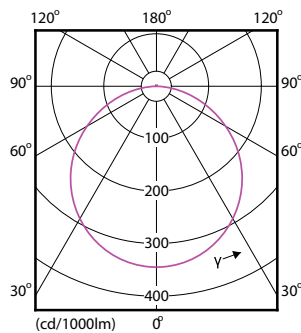
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35107300	DN027C G3 LED12/NW 12W 220-240V D175	12 W
35109700	DN027C G3 LED12/CW 12W 220-240V D175	12 W
35111000	DN027C G3 LED15/WW 15W 220-240V D200	15 W
35113400	DN027C G3 LED15/NW 15W 220-240V D200	15 W

Order Code	Full Product Name	Power Consumption
35115800	DN027C G3 LED15/CW 15W 220-240V D200	15 W
35117200	DN027C G3 LED20/WW 19W 220-240V D225	19 W
35119600	DN027C G3 LED20/NW 19W 220-240V D225	19 W
35121900	DN027C G3 LED20/CW 19W 220-240V D225	19 W

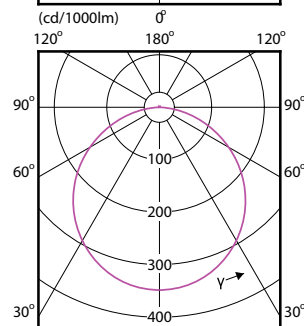
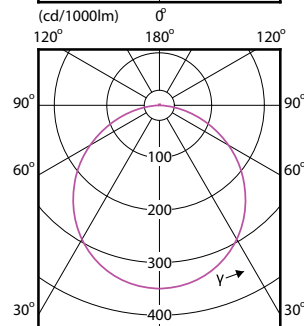
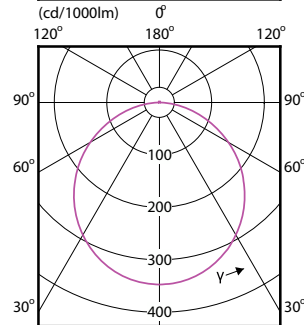
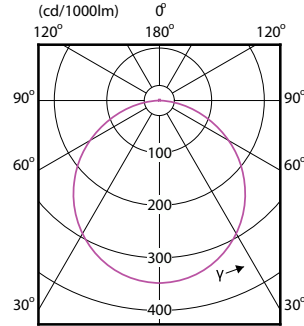
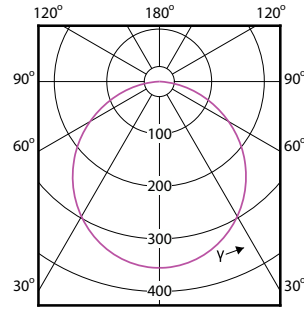
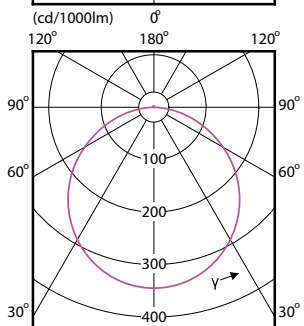
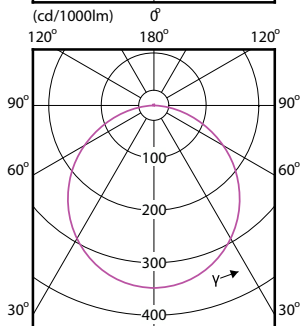
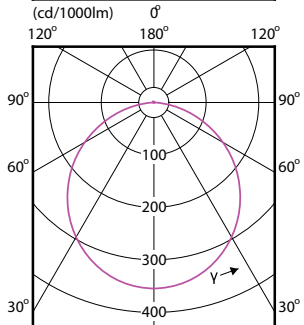
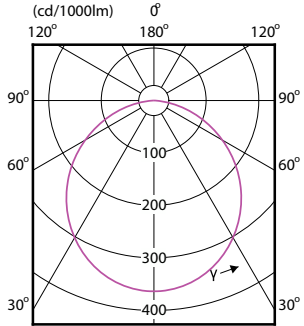
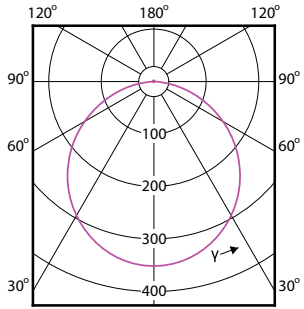
Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial chromaticity
34534800	DN027B G3 LED9/NW 9W 220-240V L125 SQ	(IEC4000K, 0.38, 0.38) < 5SDCM
34536200	DN027B G3 LED9/CW 9W 220-240V L125 SQ	(IEC6500K, 0.313, 0.337) < 5SDCM
34540900	DN027B G3 LED12/NW 12W 220-240V L150 SQ	(IEC4000K, 0.38, 0.38) < 5SDCM
34542300	DN027B G3 LED12/CW 12W 220-240V L150 SQ	(IEC6500K, 0.313, 0.337) < 5SDCM
34550800	DN027B G3 LED6/WW 6W 220-240V D90 RD	(IEC3000K, 0.44, 0.403) < 5SDCM
34552200	DN027B G3 LED6/NW 6W 220-240V D90 RD	(IEC4000K, 0.38, 0.38) < 5SDCM
34554600	DN027B G3 LED6/CW 6W 220-240V D90 RD	(IEC6500K, 0.313, 0.337) < 5SDCM
34562100	DN027B G3 LED6/WW 6W 220-240V D100 RD	(IEC3000K, 0.44, 0.403) < 5SDCM
34564500	DN027B G3 LED6/NW 6W 220-240V D100 RD	(IEC4000K, 0.38, 0.38) < 5SDCM
34488400	DN027B G3 LED6/CW 6W 220-240V D100 RD	(IEC6500K, 0.313, 0.337) < 5SDCM
34496900	DN027B G3 LED9/WW 9W 220-240V D125 RD	(IEC3000K, 0.44, 0.403) < 5SDCM
34498300	DN027B G3 LED9/NW 9W 220-240V D125 RD	(IEC4000K, 0.38, 0.38) < 5SDCM
34500300	DN027B G3 LED9/CW 9W 220-240V D125 RD	(IEC6500K, 0.313, 0.337) < 5SDCM
34508900	DN027B G3 LED12/WW 12W 220-240V D150 RD	(IEC3000K, 0.44, 0.403) < 5SDCM
34510200	DN027B G3 LED12/NW 12W 220-240V D150 RD	(IEC4000K, 0.38, 0.38) < 5SDCM
34512600	DN027B G3 LED12/CW 12W 220-240V D150 RD	(IEC6500K, 0.313, 0.337) < 5SDCM
34566900	DN027B G3 LED15/WW 15W 220-240V D175 RD	(IEC3000K, 0.44, 0.403) < 5SDCM
34568300	DN027B G3 LED15/NW 15W 220-240V D175 RD	(IEC4000K, 0.38, 0.38) < 5SDCM
34570600	DN027B G3 LED15/CW 15W 220-240V D175 RD	(IEC6500K, 0.313, 0.337) < 5SDCM
34520100	DN027B G3 LED20/WW 19W 220-240V D200 RD	(IEC3000K, 0.44, 0.403) < 5SDCM
34522500	DN027B G3 LED20/NW 19W 220-240V D200 RD	(IEC4000K, 0.38, 0.38) < 5SDCM
34524900	DN027B G3 LED20/CW 19W 220-240V D200 RD	(IEC6500K, 0.313, 0.337) < 5SDCM

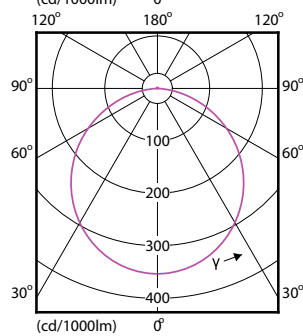
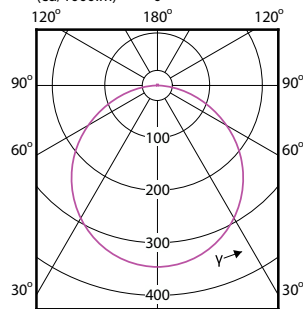
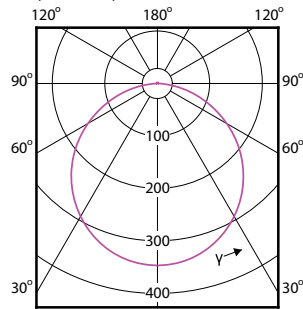
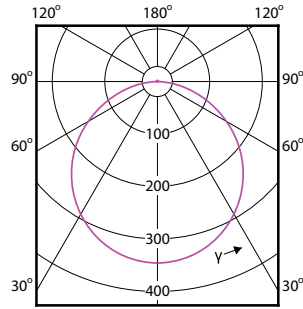
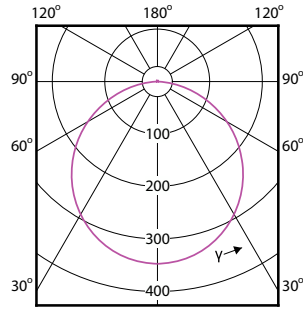
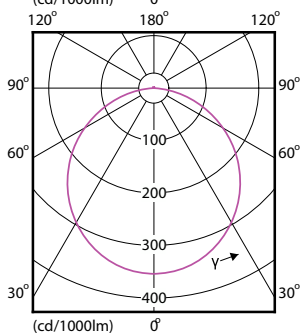
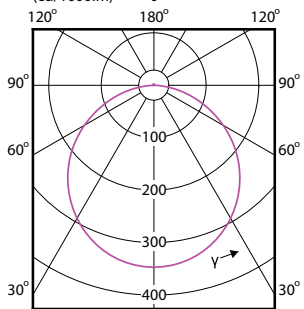
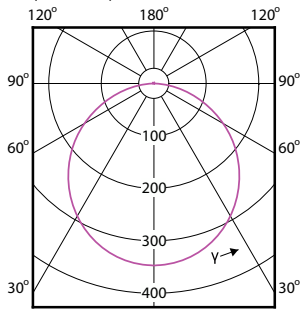
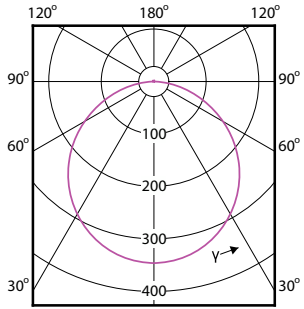
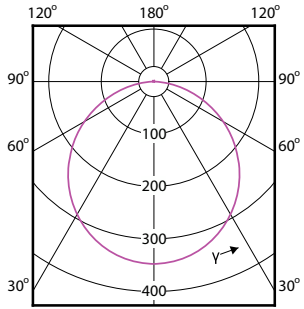
Order Code	Full Product Name	Initial chromaticity
35099100	DN027C G3 LED9/WW 9W 220-240V D150	(IEC3000K, 0.44, 0.403) < 5SDCM
35101100	DN027C G3 LED9/NW 9W 220-240V D150	(IEC4000K, 0.38, 0.38) < 5SDCM
35103500	DN027C G3 LED9/CW 9W 220-240V D150	(IEC6500K, 0.313, 0.337) < 5SDCM
35105900	DN027C G3 LED12/WW 12W 220-240V D175	(IEC3000K, 0.44, 0.403) < 5SDCM
35107300	DN027C G3 LED12/NW 12W 220-240V D175	(IEC4000K, 0.38, 0.38) < 5SDCM
35109700	DN027C G3 LED12/CW 12W 220-240V D175	(IEC6500K, 0.313, 0.337) < 5SDCM
35111000	DN027C G3 LED15/WW 15W 220-240V D200	(IEC3000K, 0.44, 0.403) < 5SDCM
35113400	DN027C G3 LED15/NW 15W 220-240V D200	(IEC4000K, 0.38, 0.38) < 5SDCM
35115800	DN027C G3 LED15/CW 15W 220-240V D200	(IEC6500K, 0.313, 0.337) < 5SDCM
35117200	DN027C G3 LED20/WW 19W 220-240V D225	(IEC3000K, 0.44, 0.403) < 5SDCM
35119600	DN027C G3 LED20/NW 19W 220-240V D225	(IEC4000K, 0.38, 0.38) < 5SDCM
35121900	DN027C G3 LED20/CW 19W 220-240V D225	(IEC6500K, 0.313, 0.337) < 5SDCM



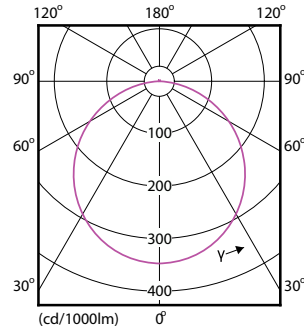
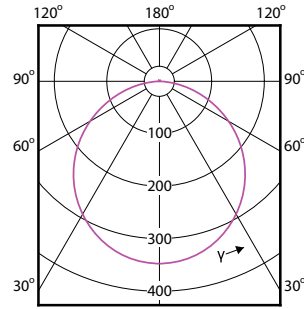
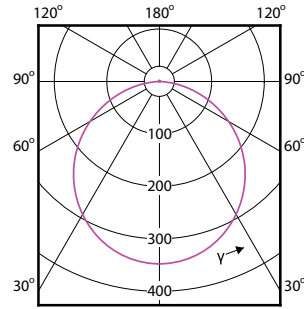
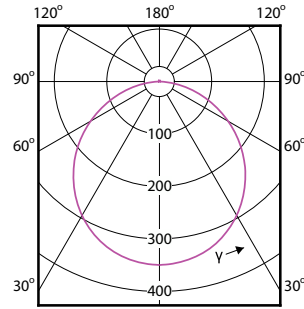
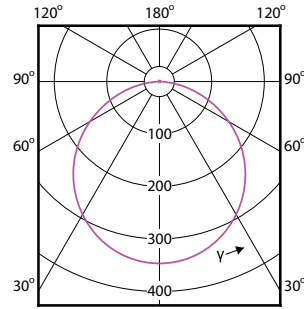
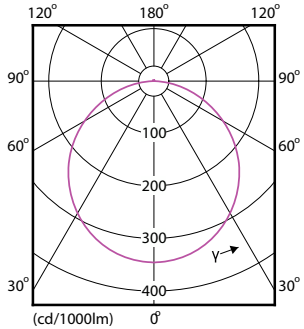
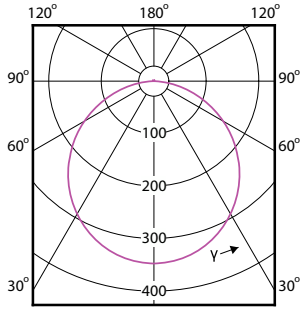
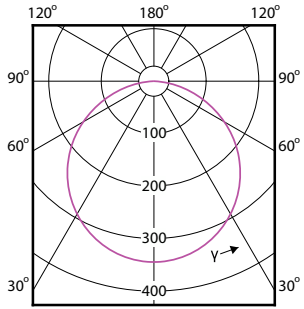
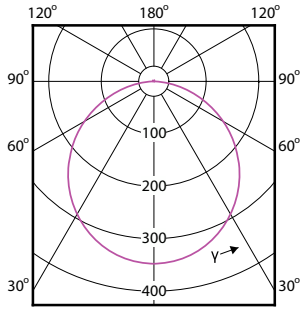
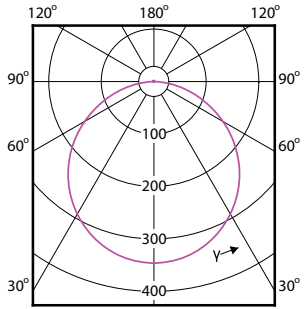
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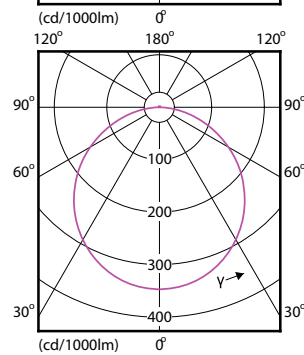
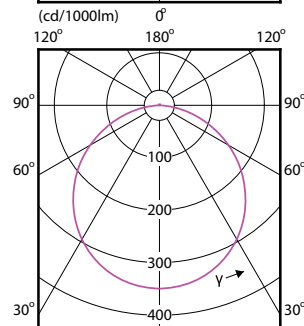
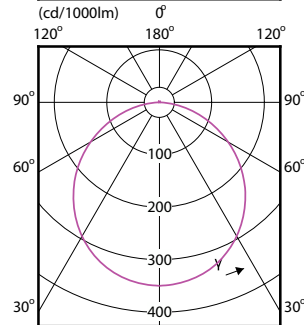
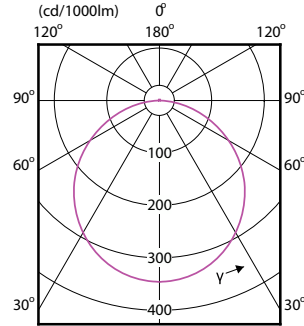
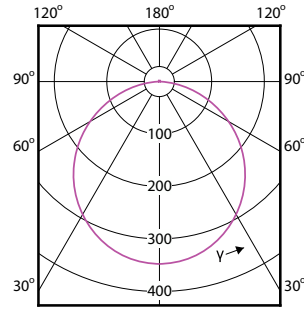
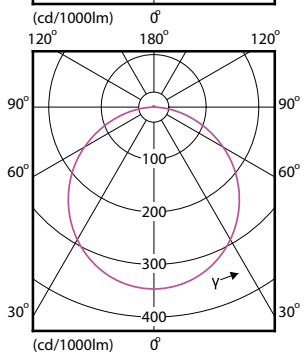
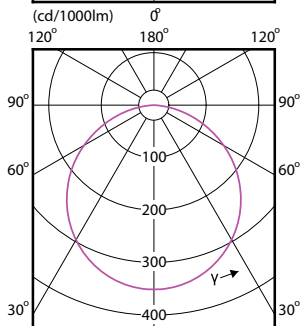
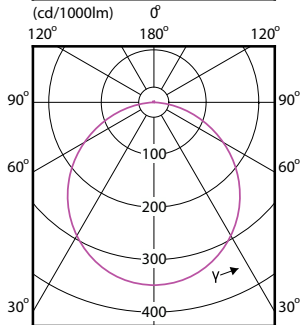
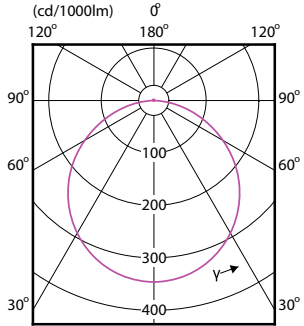
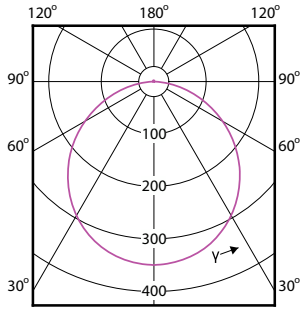
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