



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

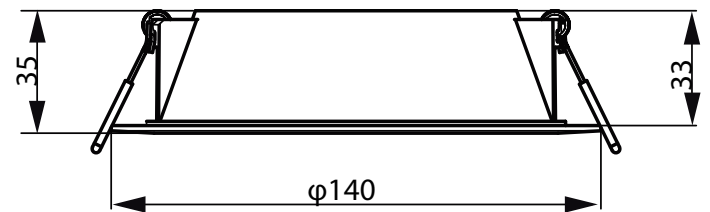
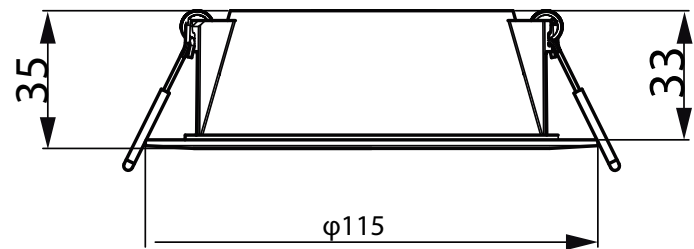
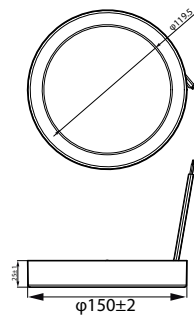
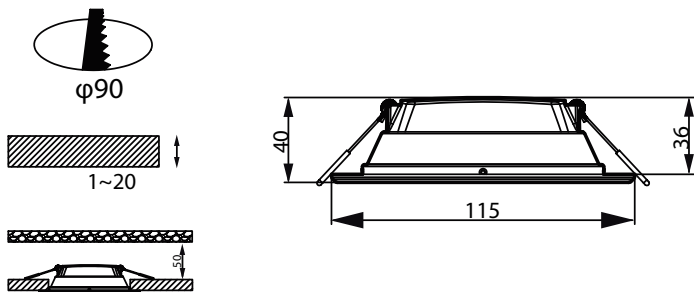
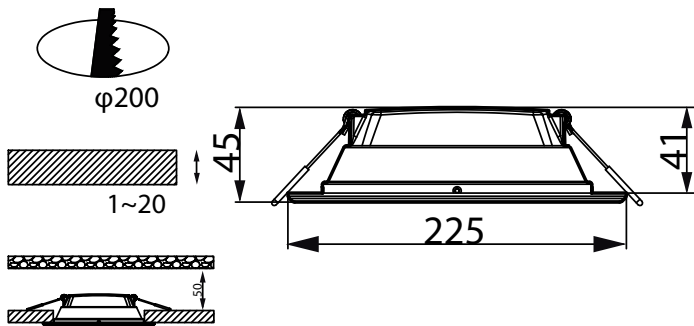
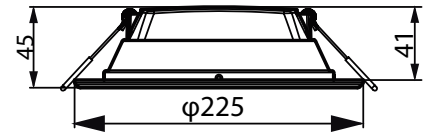
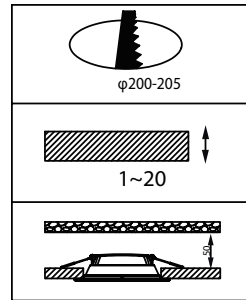
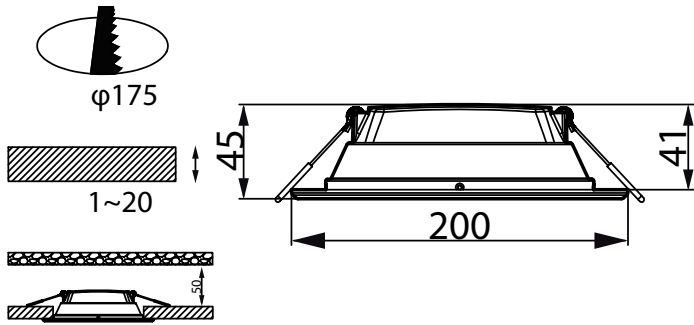
- Long life time: 20Khrs to 30Khrs(L70B50@25°C)
- System efficiency: up to 85lm/W
- One family offers recess round, square and surface mount options
- Slim design: 33mm housing body height

Application

- Retail
- Office
- Residential

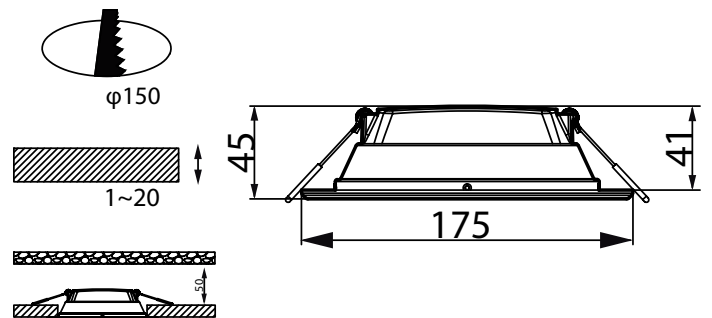
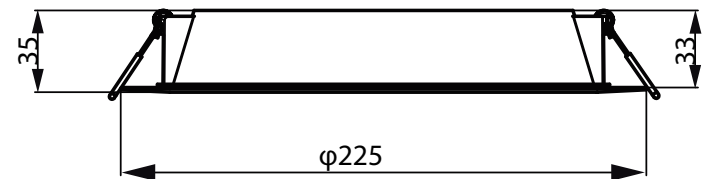
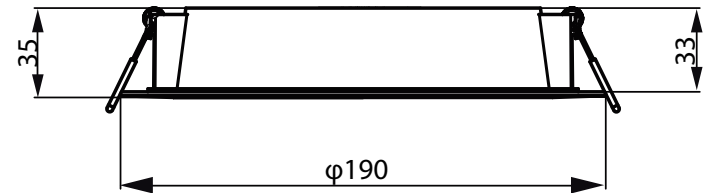
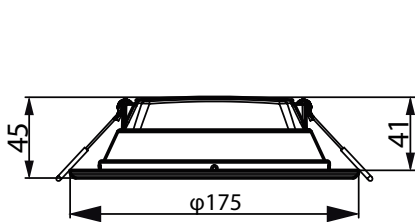
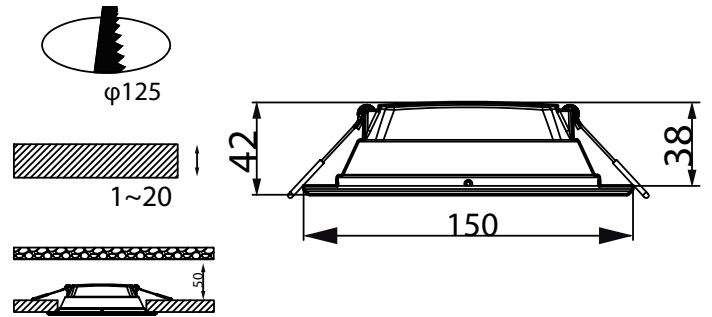
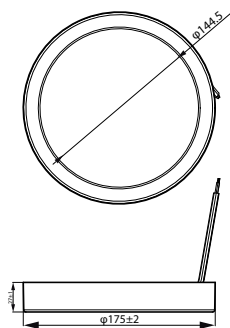
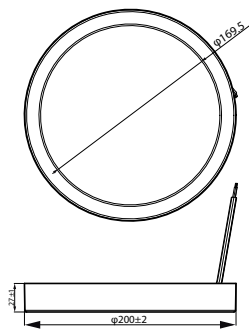
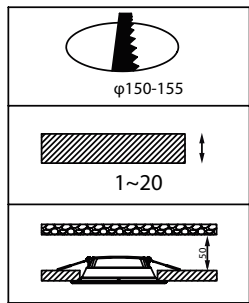
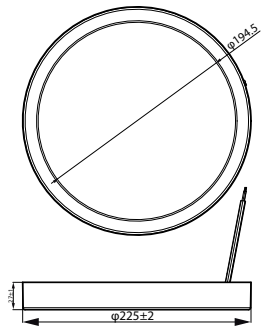
Essential SmartBright LED Downlight

Dimensional drawing



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Dimensional drawing



Essential SmartBright LED Downlight

General Information

Driver included	Yes
Light source replaceable	No
Number of gear units	1 unit

Light Technical

Color rendering index (CRI)	80
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Operating and Electrical

Protection class IEC	Safety class II
Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz

Controls and Dimming

Dimmable	No
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Mechanical and Housing

Housing Color	White
Mech. impact protection code	IK03

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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Light Technical

Order Code	Full Product Name	Correlated Color	Luminous		Optic type
		Temperature (Nom)	Efficacy (rated) (Nom)	Luminous Flux	
929003270510	DN200 G3 LED6 840 7W D100 CN	4000 K	85 lm/W	600 lm	Matt optic decorative
929003270610	DN200 G3 LED6 865 7W D100 CN	6500 K	85 lm/W	600 lm	Matt optic decorative
929003271010	DN200 G3 LED9 830 10.5W D125 CN	3000 K	80 lm/W	850 lm	Matt optic decorative
929003271110	DN200 G3 LED9 840 10.5W D125 CN	4000 K	85 lm/W	900 lm	Matt optic decorative
929003271210	DN200 G3 LED9 865 10.5W D125 CN	6500 K	85 lm/W	900 lm	Matt optic decorative
929003271610	DN200 G3 LED12 830 13W D150 CN	3000 K	88 lm/W	1,150 lm	Matt optic decorative
929003271710	DN200 G3 LED12 840 13W D150 CN	4000 K	92 lm/W	1,200 lm	Matt optic decorative
929003271810	DN200 G3 LED12 865 13W D150 CN	6500 K	92 lm/W	1,200 lm	Matt optic decorative
929003271910	DN200 G3 LED15 830 16W D175 CN	3000 K	90 lm/W	1,450 lm	Matt optic decorative
929003272010	DN200 G3 LED15 840 16W D175 CN	4000 K	93 lm/W	1,500 lm	Matt optic decorative
929003272110	DN200 G3 LED15 865 16W D175 CN	6500 K	93 lm/W	1,500 lm	Matt optic decorative
929003272210	DN200 G3 LED20 830 20W D200 CN	3000 K	95 lm/W	1,900 lm	Matt optic decorative
929003272310	DN200 G3 LED20 840 20W D200 CN	4000 K	100 lm/W	2,000 lm	Matt optic decorative
929003272410	DN200 G3 LED20 865 20W D200 CN	6500 K	100 lm/W	2,000 lm	Matt optic decorative
929002671538	DN027B G3 LED6/WW 6W 220-240V D90 RD	3000 K	100.00 lm/W	600 lm	Beam angle 110°
929002671638	DN027B G3 LED6/NW 6W 220-240V D90 RD	4000 K	100.00 lm/W	600 lm	Beam angle 110°
929002672738	DN027B G3 LED9/WW 9W 220-240V D125 RD	3000 K	100.00 lm/W	900 lm	Beam angle 110°
929002672838	DN027B G3 LED9/NW 9W 220-240V D125 RD	4000 K	105.00 lm/W	950 lm	Beam angle 110°
929002673338	DN027B G3 LED12/WW 12W 220-240V D150 RD	3000 K	100.00 lm/W	1,200 lm	Beam angle 110°
929002673438	DN027B G3 LED12/NW 12W 220-240V D150 RD	4000 K	108.00 lm/W	1,300 lm	Beam angle 110°
929002673538	DN027B G3 LED12/CW 12W 220-240V D150 RD	6500 K	108.00 lm/W	1,300 lm	Beam angle 110°
929002674038	DN027B G3 LED15/NW 15W 220-240V D175 RD	4000 K	106.00 lm/W	1,600 lm	Beam angle 110°
929002674538	DN027B G3 LED20/WW 19W 220-240V D200 RD	3000 K	105.00 lm/W	2,000 lm	Beam angle 110°
929002674638	DN027B G3 LED20/NW 19W 220-240V D200 RD	4000 K	110.00 lm/W	2,100 lm	Beam angle 110°

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Order Code	Full Product Name	Correlated Color	Luminous		Optic type
		Temperature (Nom)	Efficacy (rated) (Nom)	Luminous Flux	
929002675838	DN027C G3 LED9/NW 9W 220-240V D150	4000 K	105.00 lm/W	950 lm	Beam angle 110°
929002676138	DN027C G3 LED12/NW 12W 220-240V D175	4000 K	108.00 lm/W	1,300 lm	Beam angle 110°
929002676438	DN027C G3 LED15/NW 15W 220-240V D200	4000 K	106.00 lm/W	1,600 lm	Beam angle 110°
929002676538	DN027C G3 LED15/CW 15W 220-240V D200	6500 K	106.00 lm/W	1,600 lm	Beam angle 110°
929002676738	DN027C G3 LED20/NW 19W 220-240V D225	4000 K	110.00 lm/W	2,100 lm	Beam angle 110°

Operating and Electrical

Order Code	Full Product Name	Power Consumption	Suitable for random switching	Order Code	Full Product Name	Power Consumption	Suitable for random switching
929003270510	DN200 G3 LED6 840 7W D100 CN	7 W	Not applicable	929002671638	DN027B G3 LED6/NW 6W 220-240V D90 RD	6 W	No
929003270610	DN200 G3 LED6 865 7W D100 CN	7 W	Not applicable	929002672738	DN027B G3 LED9/WW 9W 220-240V D125 RD	9 W	No
929003271010	DN200 G3 LED9 830 10.5W D125 CN	10.5 W	Not applicable	929002672838	DN027B G3 LED9/NW 9W 220-240V D125 RD	9 W	No
929003271110	DN200 G3 LED9 840 10.5W D125 CN	10.5 W	Not applicable	929002673338	DN027B G3 LED12/WW 12W 220-240V D150 RD	12 W	No
929003271210	DN200 G3 LED9 865 10.5W D125 CN	10.5 W	Not applicable	929002673438	DN027B G3 LED12/NW 12W 220-240V D150 RD	12 W	No
929003271610	DN200 G3 LED12 830 13W D150 CN	13 W	Not applicable	929002673538	DN027B G3 LED12/CW 12W 220-240V D150 RD	12 W	No
929003271710	DN200 G3 LED12 840 13W D150 CN	13 W	Not applicable	929002674038	DN027B G3 LED15/NW 15W 220-240 D175 RD	15 W	No
929003271810	DN200 G3 LED12 865 13W D150 CN	13 W	Not applicable	929002674538	DN027B G3 LED20/WW 19W 220-240V D200 RD	19 W	No
929003271910	DN200 G3 LED15 830 16W D175 CN	16 W	Not applicable	929002674638	DN027B G3 LED20/NW 19W 220-240V D200 RD	19 W	No
929003272010	DN200 G3 LED15 840 16W D175 CN	16 W	Not applicable	929002675838	DN027C G3 LED9/NW 9W 220-240V D150	9 W	No
929003272110	DN200 G3 LED15 865 16W D175 CN	16 W	Not applicable	929002676138	DN027C G3 LED12/NW 12W 220-240V D175	12 W	No
929003272210	DN200 G3 LED20 830 20W D200 CN	20 W	Not applicable	929002676438	DN027C G3 LED15/NW 15W 220-240V D200	15 W	No
929003272310	DN200 G3 LED20 840 20W D200 CN	20 W	Not applicable	929002676538	DN027C G3 LED15/CW 15W 220-240V D200	15 W	No
929003272410	DN200 G3 LED20 865 20W D200 CN	20 W	Not applicable	929002676738	DN027C G3 LED20/NW 19W 220-240V D225	19 W	No
929002671538	DN027B G3 LED6/WW 6W 220-240V D90 RD	6 W	No				

Mechanical and Housing

Essential SmartBright LED Downlight

Order Code	Full Product Name	Ingress protection code
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929003270610	DN200 G3 LED6 865 7W D100 CN	IP20
929003271010	DN200 G3 LED9 830 10.5W D125 CN	IP20
929003271110	DN200 G3 LED9 840 10.5W D125 CN	IP20
929003271210	DN200 G3 LED9 865 10.5W D125 CN	IP20
929003271610	DN200 G3 LED12 830 13W D150 CN	IP20
929003271710	DN200 G3 LED12 840 13W D150 CN	IP20
929003271810	DN200 G3 LED12 865 13W D150 CN	IP20
929003271910	DN200 G3 LED15 830 16W D175 CN	IP20
929003272010	DN200 G3 LED15 840 16W D175 CN	IP20
929003272110	DN200 G3 LED15 865 16W D175 CN	IP20
929003272210	DN200 G3 LED20 830 20W D200 CN	IP20
929003272310	DN200 G3 LED20 840 20W D200 CN	IP20
929003272410	DN200 G3 LED20 865 20W D200 CN	IP20
929002671538	DN027B G3 LED6/WW 6W 220-240V D90 RD	IP20/40

Order Code	Full Product Name	Ingress protection code
929002671638	DN027B G3 LED6/NW 6W 220-240V D90 RD	IP20/40
929002672738	DN027B G3 LED9/WW 9W 220-240V D125 RD	IP20/40
929002672838	DN027B G3 LED9/NW 9W 220-240V D125 RD	IP20/40
929002673338	DN027B G3 LED12/WW 12W 220-240V D150 RD	IP20/40
929002673438	DN027B G3 LED12/NW 12W 220-240V D150 RD	IP20/40
929002673538	DN027B G3 LED12/CW 12W 220-240V D150 RD	IP20/40
929002674038	DN027B G3 LED15/NW 15W 220-240V D175 RD	IP20/40
929002674538	DN027B G3 LED20/WW 19W 220-240V D200 RD	IP20/40
929002674638	DN027B G3 LED20/NW 19W 220-240V D200 RD	IP20/40
929002675838	DN027C G3 LED9/NW 9W 220-240V D150	IP20/40
929002676138	DN027C G3 LED12/NW 12W 220-240V D175	IP20/40
929002676438	DN027C G3 LED15/NW 15W 220-240V D200	IP20/40
929002676538	DN027C G3 LED15/CW 15W 220-240V D200	IP20/40
929002676738	DN027C G3 LED20/NW 19W 220-240V D225	IP20/40

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial chromaticity
929003270510	DN200 G3 LED6 840 7W D100 CN	(X=, 0.3863 ; Y=, 0.3863) 5SDCM
929003270610	DN200 G3 LED6 865 7W D100 CN	(X=, 0.3115 ; Y=, 0.3258) 5SDCM
929003271010	DN200 G3 LED9 830 10.5W D125 CN	(X=, 0.4377 ; Y=, 0.4055) 5SDCM
929003271110	DN200 G3 LED9 840 10.5W D125 CN	(X=, 0.3863 ; Y=, 0.3863) 5SDCM
929003271210	DN200 G3 LED9 865 10.5W D125 CN	(X=, 0.3115 ; Y=, 0.3258) 5SDCM
929003271610	DN200 G3 LED12 830 13W D150 CN	(X=, 0.4377 ; Y=, 0.4055) 5SDCM
929003271710	DN200 G3 LED12 840 13W D150 CN	(X=, 0.3863 ; Y=, 0.3863) 5SDCM
929003271810	DN200 G3 LED12 865 13W D150 CN	(X=, 0.3115 ; Y=, 0.3258) 5SDCM
929003271910	DN200 G3 LED15 830 16W D175 CN	(X=, 0.4377 ; Y=, 0.4055) 5SDCM
929003272010	DN200 G3 LED15 840 16W D175 CN	(X=, 0.3863 ; Y=, 0.3863) 5SDCM
929003272110	DN200 G3 LED15 865 16W D175 CN	(X=, 0.3115 ; Y=, 0.3258) 5SDCM
929003272210	DN200 G3 LED20 830 20W D200 CN	(X=, 0.4377 ; Y=, 0.4055) 5SDCM
929003272310	DN200 G3 LED20 840 20W D200 CN	(X=, 0.3863 ; Y=, 0.3863) 5SDCM
929003272410	DN200 G3 LED20 865 20W D200 CN	(X=, 0.3115 ; Y=, 0.3258) 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
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

Order Code	Full Product Name	Initial chromaticity
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
929002674038	DN027B G3 LED15/NW 15W 220-240V D175 RD	(IEC4000K, 0.38, 0.38) < 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
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
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
929002676738	DN027C G3 LED20/NW 19W 220-240V D225	(IEC4000K, 0.38, 0.38) < 5SDCM

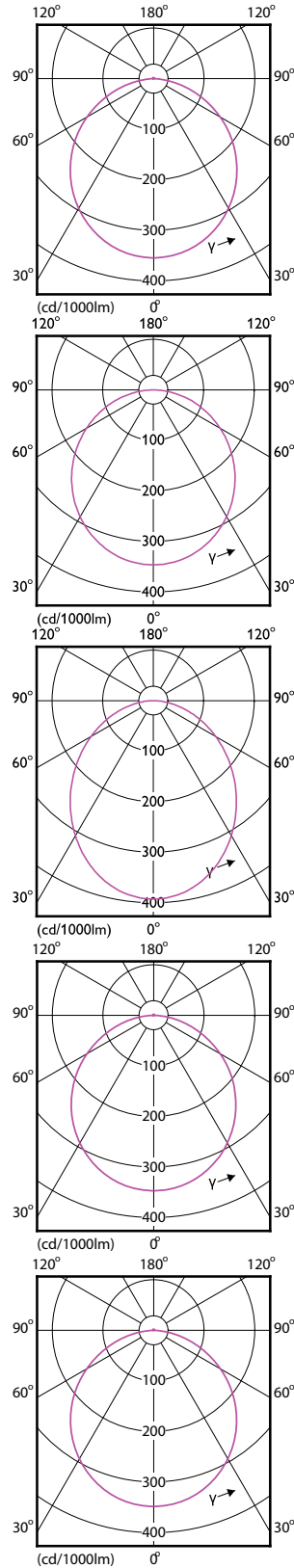
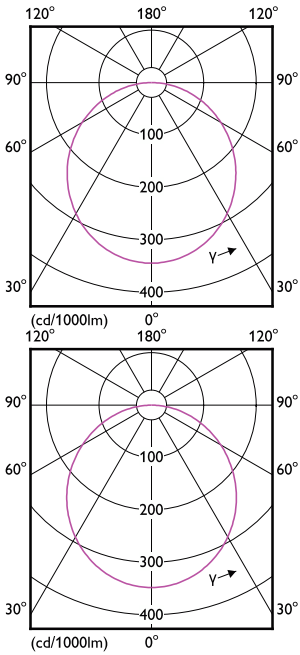
Over Time Performance (IEC Compliant)

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929003270510	DN200 G3 LED6 840 7W D100 CN	1.2 %
929003270610	DN200 G3 LED6 865 7W D100 CN	1.2 %
929003271010	DN200 G3 LED9 830 10.5W D125 CN	1.2 %
929003271110	DN200 G3 LED9 840 10.5W D125 CN	1.2 %

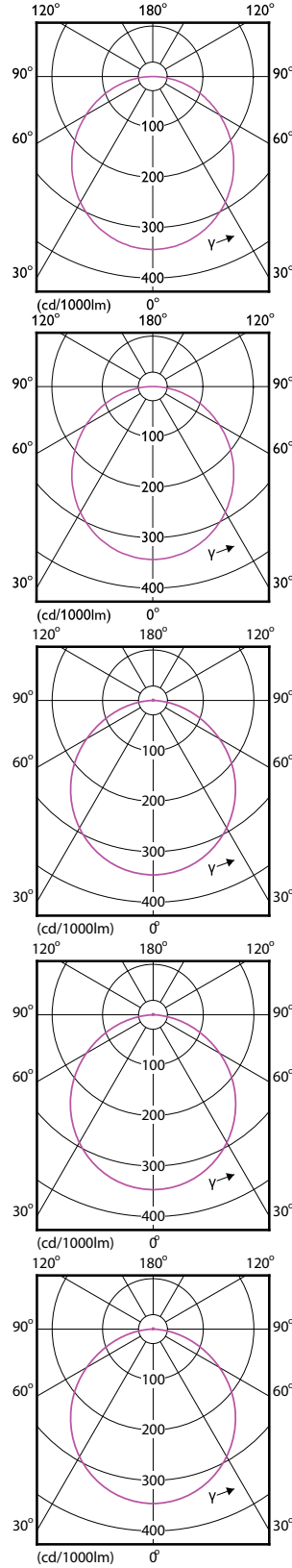
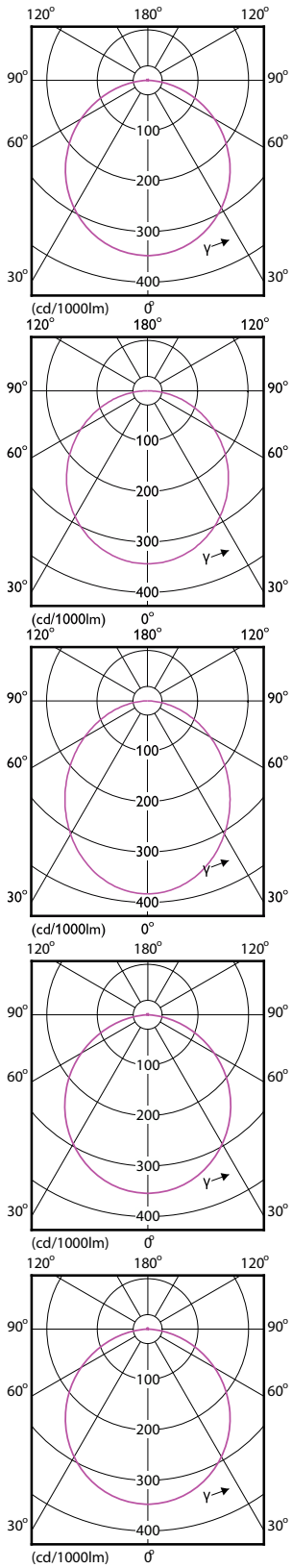
Order Code	Full Product Name	Driver failure rate at 5000 h
929003271210	DN200 G3 LED9 865 10.5W D125 CN	1.2 %
929003271610	DN200 G3 LED12 830 13W D150 CN	1.2 %
929003271710	DN200 G3 LED12 840 13W D150 CN	1.2 %
929003271810	DN200 G3 LED12 865 13W D150 CN	1.2 %

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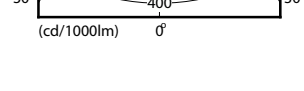
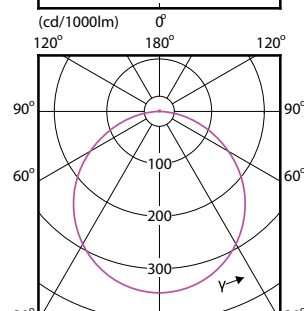
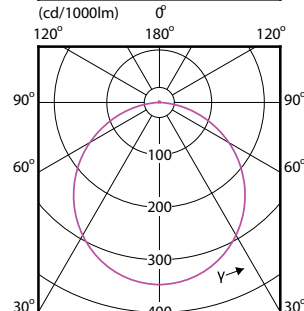
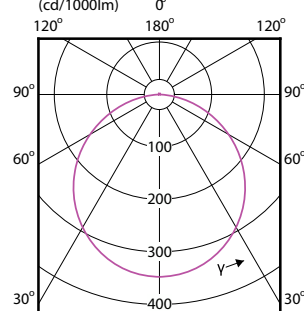
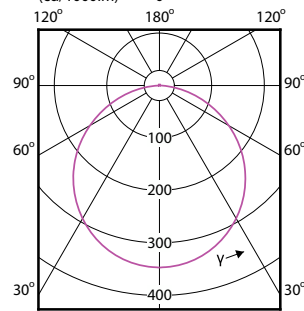
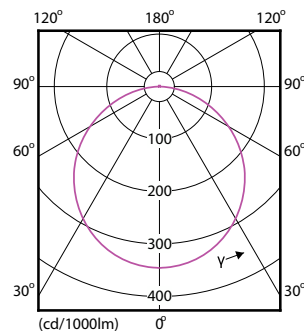
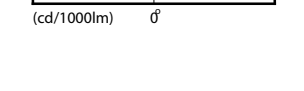
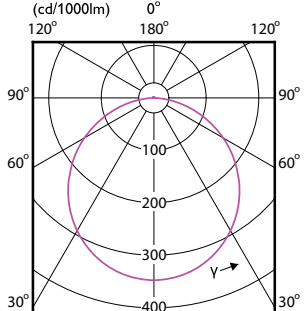
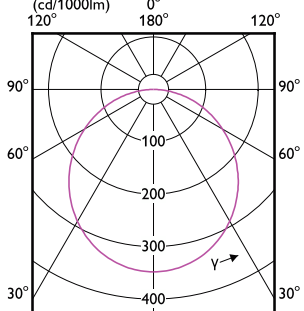
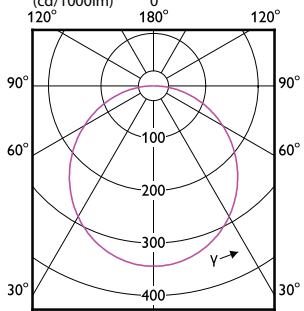
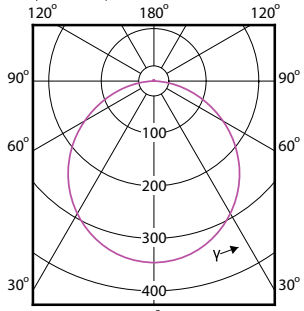
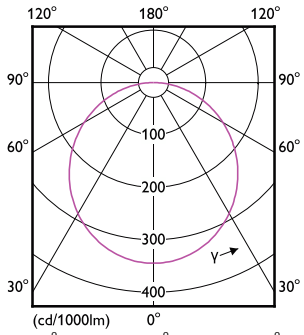
Order Code	Full Product Name	Driver failure rate at 5000 h
929003271910	DN200 G3 LED15 830 16W D175 CN	1.2 %
929003272010	DN200 G3 LED15 840 16W D175 CN	1.2 %
929003272110	DN200 G3 LED15 865 16W D175 CN	1.2 %
929003272210	DN200 G3 LED20 830 20W D200 CN	1.2 %
929003272310	DN200 G3 LED20 840 20W D200 CN	1.2 %
929003272410	DN200 G3 LED20 865 20W D200 CN	1.2 %
929002671538	DNO27B G3 LED6/WW 6W 220-240V D90 RD	0.012 %
929002671638	DNO27B G3 LED6/NW 6W 220-240V D90 RD	0.012 %
929002672738	DNO27B G3 LED9/WW 9W 220-240V D125 RD	0.012 %
929002672838	DNO27B G3 LED9/NW 9W 220-240V D125 RD	0.012 %
929002673338	DNO27B G3 LED12/WW 12W 220-240V D150 RD	0.012 %
929002673438	DNO27B G3 LED12/NW 12W 220-240V D150 RD	0.012 %
929002673538	DNO27B G3 LED12/CW 12W 220-240V D150 RD	0.012 %
929002674038	DNO27B G3 LED15/NW 15W 220-240V D175 RD	0.012 %
929002674538	DNO27B G3 LED20/WW 19W 220-240V D200 RD	0.012 %
929002674638	DNO27B G3 LED20/NW 19W 220-240V D200 RD	0.012 %
929002675838	DNO27C G3 LED9/NW 9W 220-240V D150	0.012 %
929002676138	DNO27C G3 LED12/NW 12W 220-240V D175	0.012 %
929002676438	DNO27C G3 LED15/NW 15W 220-240V D200	0.012 %
929002676538	DNO27C G3 LED15/CW 15W 220-240V D200	0.012 %
929002676738	DNO27C G3 LED20/NW 19W 220-240V D225	0.012 %



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