



# 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

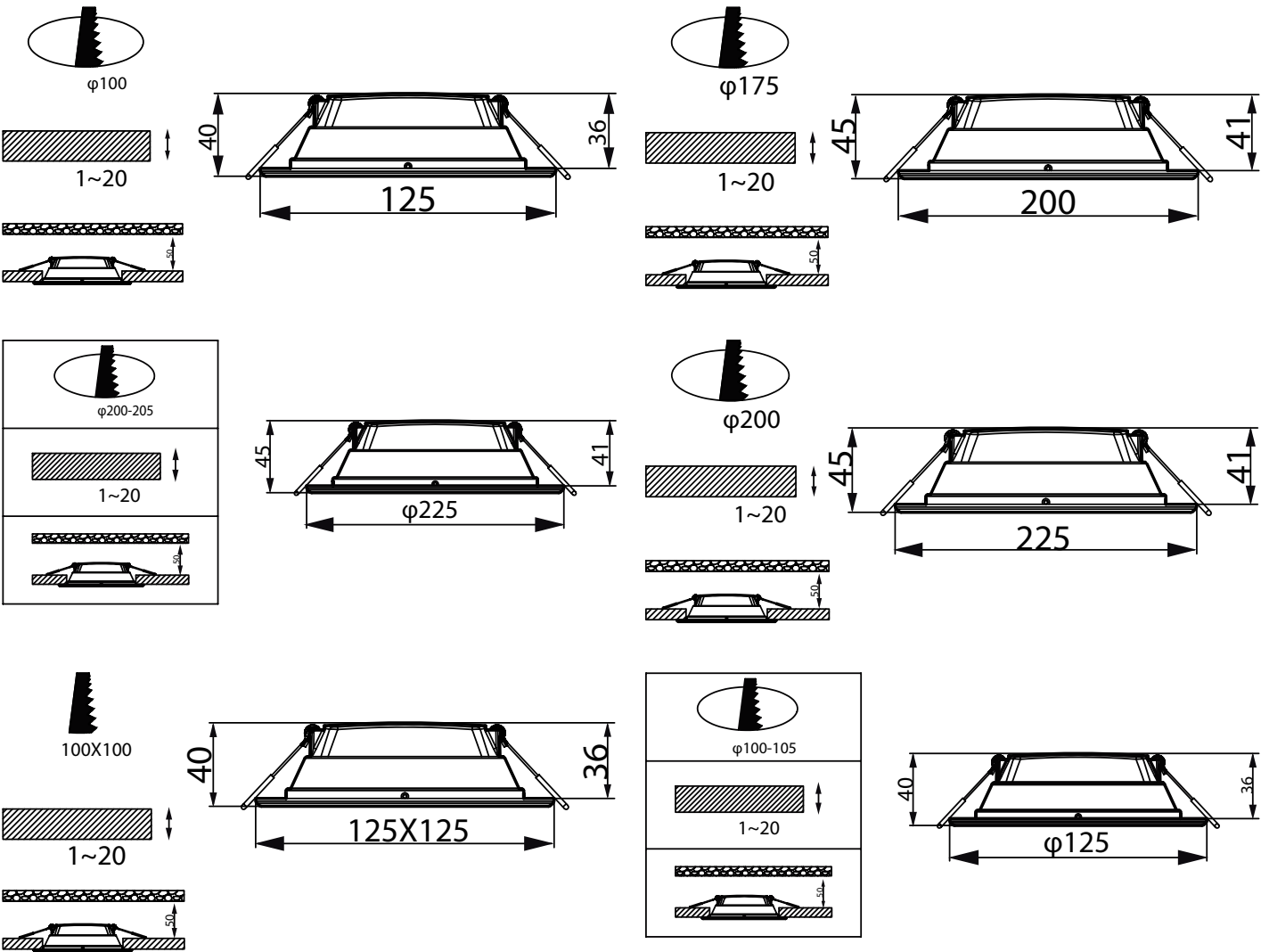
# Essential SmartBright LED Downlight

## Versions



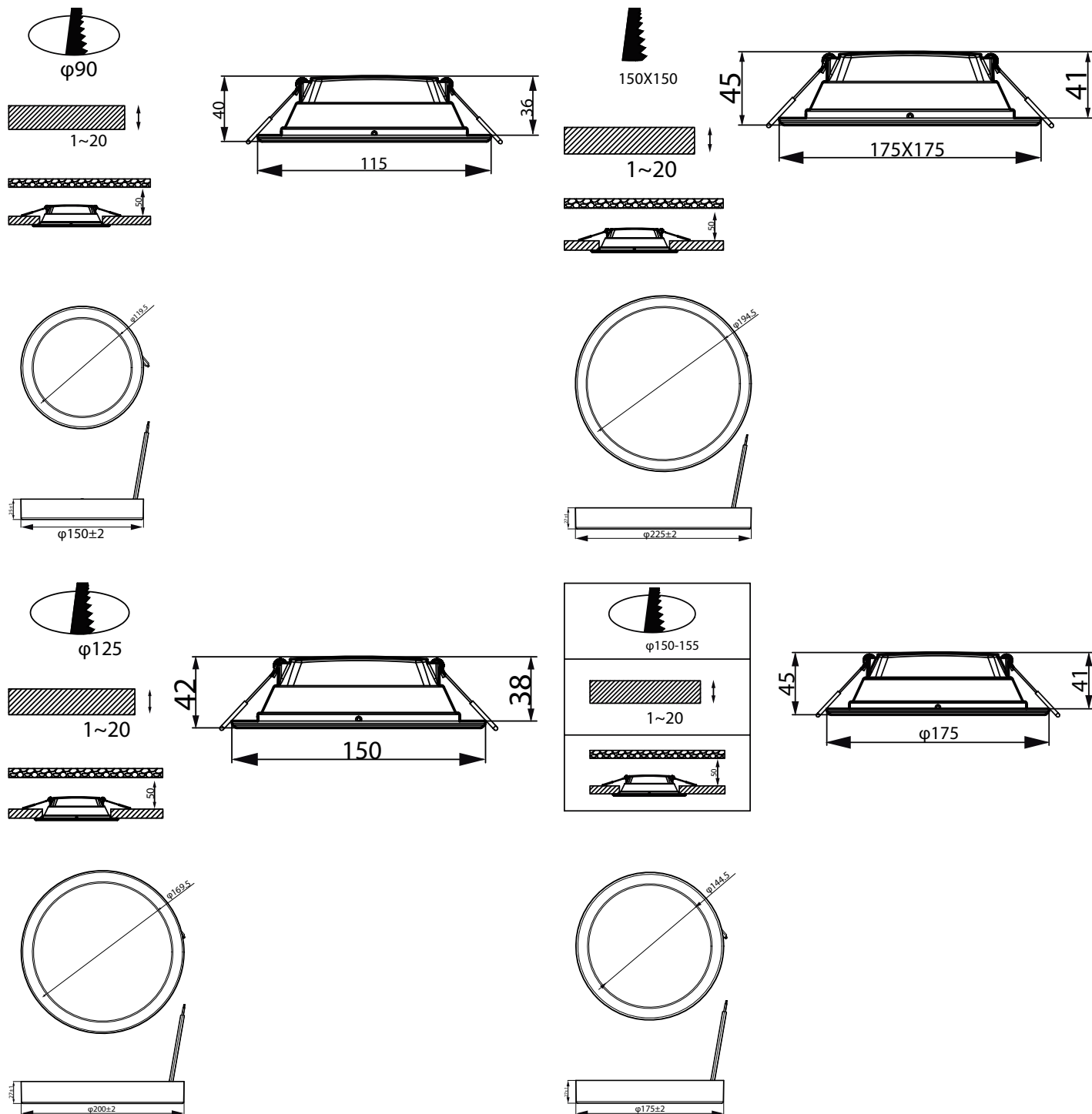
Downlight DN027C G3 RD

## Dimensional drawing



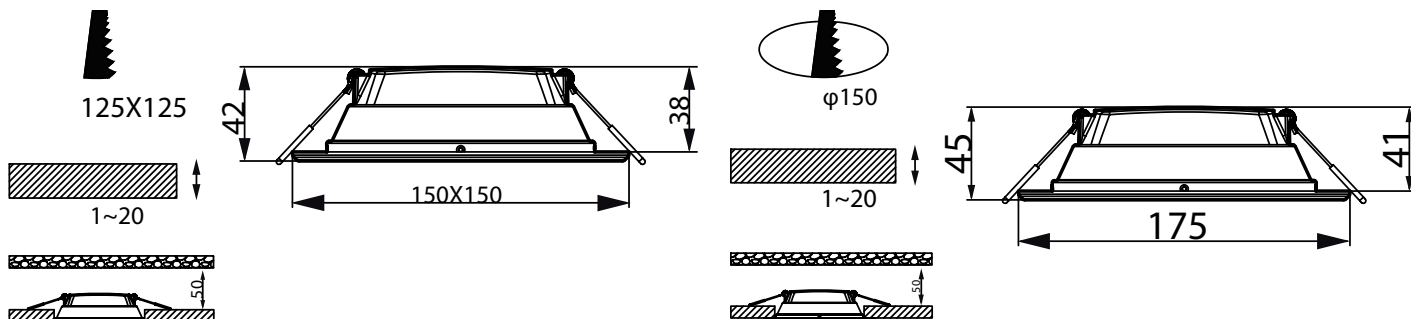
# Essential SmartBright LED Downlight

## Dimensional drawing



# Essential SmartBright LED Downlight

## 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 |
|----------|----|

### 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% |
|-------------------------|--------|

### Over Time Performance (IEC Compliant)

|                               |         |
|-------------------------------|---------|
| Driver failure rate at 5000 h | 0.012 % |
|-------------------------------|---------|

### Light Technical

| Order Code   | Full Product Name                          | Correlated Color Temperature (Nom) | Luminous Efficacy (rated) (Nom) | Luminous Flux |
|--------------|--------------------------------------------|------------------------------------|---------------------------------|---------------|
| 929002674838 | DN027B G3 LED6/WW 6W<br>220-240V L100 SQ   | 3000 K                             | 100.00 lm/W                     | 600 lm        |
| 929002674938 | DN027B G3 LED6/NW 6W<br>220-240V L100 SQ   | 4000 K                             | 100.00 lm/W                     | 600 lm        |
| 929002675038 | DN027B G3 LED6/CW 6W<br>220-240V L100 SQ   | 6500 K                             | 100.00 lm/W                     | 600 lm        |
| 929002675138 | DN027B G3 LED9/WW 9W<br>220-240V L125 SQ   | 3000 K                             | 100.00 lm/W                     | 900 lm        |
| 929002675238 | DN027B G3 LED9/NW 9W<br>220-240V L125 SQ   | 4000 K                             | 105.00 lm/W                     | 950 lm        |
| 929002675338 | DN027B G3 LED9/CW 9W<br>220-240V L125 SQ   | 6500 K                             | 105.00 lm/W                     | 950 lm        |
| 929002675438 | DN027B G3 LED12/WW 12W<br>220-240V L150 SQ | 3000 K                             | 100.00 lm/W                     | 1,200 lm      |
| 929002675538 | DN027B G3 LED12/NW 12W<br>220-240V L150 SQ | 4000 K                             | 108.00 lm/W                     | 1,300 lm      |
| 929002675638 | DN027B G3 LED12/CW 12W<br>220-240V L150 SQ | 6500 K                             | 108.00 lm/W                     | 1,300 lm      |
| 929002671538 | DN027B G3 LED6/WW 6W<br>220-240V D90 RD    | 3000 K                             | 100.00 lm/W                     | 600 lm        |
| 929002671638 | DN027B G3 LED6/NW 6W<br>220-240V D90 RD    | 4000 K                             | 100.00 lm/W                     | 600 lm        |
| 929002671738 | DN027B G3 LED6/CW 6W<br>220-240V D90 RD    | 6500 K                             | 100.00 lm/W                     | 600 lm        |
| 929002672138 | DN027B G3 LED6/WW 6W<br>220-240V D100 RD   | 3000 K                             | 100.00 lm/W                     | 600 lm        |
| 929002672238 | DN027B G3 LED6/NW 6W<br>220-240V D100 RD   | 4000 K                             | 100.00 lm/W                     | 600 lm        |
| 929002672338 | DN027B G3 LED6/CW 6W<br>220-240V D100 RD   | 6500 K                             | 100.00 lm/W                     | 600 lm        |
| 929002672738 | DN027B G3 LED9/WW 9W<br>220-240V D125 RD   | 3000 K                             | 100.00 lm/W                     | 900 lm        |
| 929002672838 | DN027B G3 LED9/NW 9W<br>220-240V D125 RD   | 4000 K                             | 105.00 lm/W                     | 950 lm        |

Essential SmartBright LED Downlight

| Order Code   | Full Product Name                          | Correlated Color  | Luminous Efficacy |               |
|--------------|--------------------------------------------|-------------------|-------------------|---------------|
|              |                                            | Temperature (Nom) | (rated) (Nom)     | Luminous Flux |
| 929002672938 | DN027B G3 LED9/CW 9W<br>220-240V D125 RD   | 6500 K            | 105.00 lm/W       | 950 lm        |
| 929002673338 | DN027B G3 LED12/WW 12W<br>220-240V D150 RD | 3000 K            | 100.00 lm/W       | 1,200 lm      |
| 929002673438 | DN027B G3 LED12/NW 12W<br>220-240V D150 RD | 4000 K            | 108.00 lm/W       | 1,300 lm      |
| 929002673538 | DN027B G3 LED12/CW 12W<br>220-240V D150 RD | 6500 K            | 108.00 lm/W       | 1,300 lm      |
| 929002673938 | DN027B G3 LED15/WW 15W<br>220-240 D175 RD  | 3000 K            | 100.00 lm/W       | 1,500 lm      |
| 929002674038 | DN027B G3 LED15/NW 15W<br>220-240 D175 RD  | 4000 K            | 106.00 lm/W       | 1,600 lm      |
| 929002674138 | DN027B G3 LED15/CW 15W<br>220-240 D175 RD  | 6500 K            | 106.00 lm/W       | 1,600 lm      |
| 929002674538 | DN027B G3 LED20/WW 19W<br>220-240V D200 RD | 3000 K            | 105.00 lm/W       | 2,000 lm      |
| 929002674638 | DN027B G3 LED20/NW 19W<br>220-240V D200 RD | 4000 K            | 110.00 lm/W       | 2,100 lm      |
| 929002674738 | DN027B G3 LED20/CW 19W<br>220-240V D200 RD | 6500 K            | 110.00 lm/W       | 2,100 lm      |
| 929002675738 | DN027C G3 LED9/WW 9W<br>220-240V D150      | 3000 K            | 100.00 lm/W       | 900 lm        |
| 929002675938 | DN027C G3 LED9/CW 9W<br>220-240V D150      | 6500 K            | 105.00 lm/W       | 950 lm        |
| 929002676038 | DN027C G3 LED12/WW 12W<br>220-240V D175    | 3000 K            | 100.00 lm/W       | 1,200 lm      |
| 929002676238 | DN027C G3 LED12/CW 12W<br>220-240V D175    | 6500 K            | 108.00 lm/W       | 1,300 lm      |
| 929002676338 | DN027C G3 LED15/WW 15W<br>220-240V D200    | 3000 K            | 100.00 lm/W       | 1,500 lm      |
| 929002676538 | DN027C G3 LED15/CW 15W<br>220-240V D200    | 6500 K            | 106.00 lm/W       | 1,600 lm      |
| 929002676638 | DN027C G3 LED20/WW 19W<br>220-240V D225    | 3000 K            | 105.00 lm/W       | 2,000 lm      |
| 929002676838 | DN027C G3 LED20/CW 19W<br>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 |
|--------------|-----------------------------------------|-------------------|--------------|-----------------------------------------|-------------------|
| 929002674838 | DN027B G3 LED6/WW 6W 220-240V L100 SQ   | 6 W               | 929002671738 | DN027B G3 LED6/CW 6W 220-240V D90 RD    | 6 W               |
| 929002674938 | DN027B G3 LED6/NW 6W 220-240V L100 SQ   | 6 W               | 929002672138 | DN027B G3 LED6/WW 6W 220-240V D100 RD   | 6 W               |
| 929002675038 | DN027B G3 LED6/CW 6W 220-240V L100 SQ   | 6 W               | 929002672238 | DN027B G3 LED6/NW 6W 220-240V D100 RD   | 6 W               |
| 929002675138 | DN027B G3 LED9/WW 9W 220-240V L125 SQ   | 9 W               | 929002672338 | DN027B G3 LED6/CW 6W 220-240V D100 RD   | 6 W               |
| 929002675238 | DN027B G3 LED9/NW 9W 220-240V L125 SQ   | 9 W               | 929002672738 | DN027B G3 LED9/WW 9W 220-240V D125 RD   | 9 W               |
| 929002675338 | DN027B G3 LED9/CW 9W 220-240V L125 SQ   | 9 W               | 929002672838 | DN027B G3 LED9/NW 9W 220-240V D125 RD   | 9 W               |
| 929002675438 | DN027B G3 LED12/WW 12W 220-240V L150 SQ | 12 W              | 929002672938 | DN027B G3 LED9/CW 9W 220-240V D125 RD   | 9 W               |
| 929002675538 | DN027B G3 LED12/NW 12W 220-240V L150 SQ | 12 W              | 929002673338 | DN027B G3 LED12/WW 12W 220-240V D150 RD | 12 W              |
| 929002675638 | DN027B G3 LED12/CW 12W 220-240V L150 SQ | 12 W              | 929002673438 | DN027B G3 LED12/NW 12W 220-240V D150 RD | 12 W              |
| 929002671538 | DN027B G3 LED6/WW 6W 220-240V D90 RD    | 6 W               | 929002673538 | DN027B G3 LED12/CW 12W 220-240V D150 RD | 12 W              |
| 929002671638 | DN027B G3 LED6/NW 6W 220-240V D90 RD    | 6 W               | 929002673938 | DN027B G3 LED15/WW 15W 220-240 D175 RD  | 15 W              |

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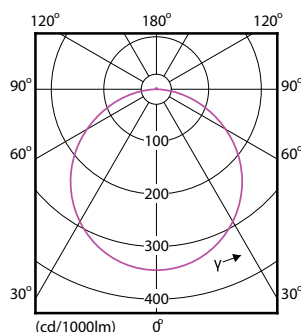
| Order Code   | Full Product Name                       | Power Consumption |
|--------------|-----------------------------------------|-------------------|
| 929002674038 | DN027B G3 LED15/NW 15W 220-240V D175 RD | 15 W              |
| 929002674138 | DN027B G3 LED15/CW 15W 220-240V D175 RD | 15 W              |
| 929002674538 | DN027B G3 LED20/WW 19W 220-240V D200 RD | 19 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              |
| 929002675738 | DN027C G3 LED9/WW 9W 220-240V D150      | 9 W               |
| 929002675938 | DN027C G3 LED9/CW 9W 220-240V D150      | 9 W               |

### Initial Performance (IEC Compliant)

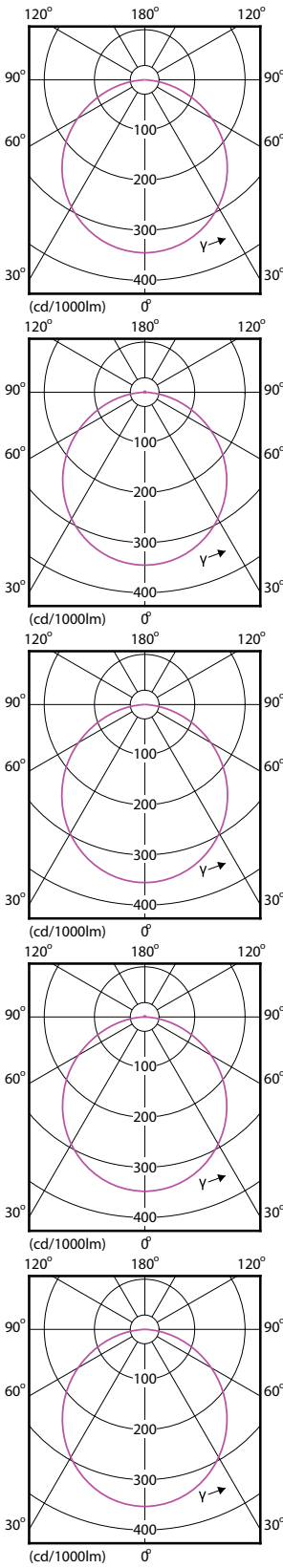
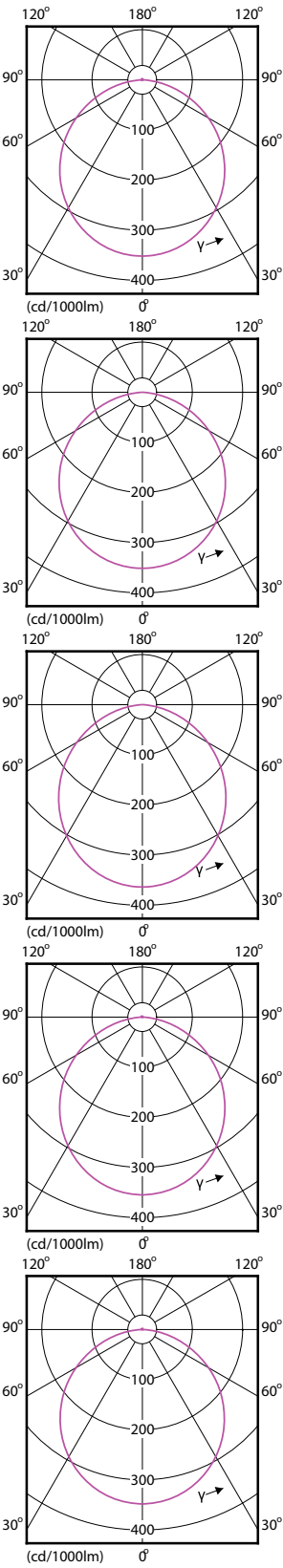
| Order Code   | Full Product Name                       | Initial chromaticity             |
|--------------|-----------------------------------------|----------------------------------|
| 929002674838 | DN027B G3 LED6/WW 6W 220-240V L100 SQ   | (IEC3000K, 0.44, 0.403) < 5SDCM  |
| 929002674938 | DN027B G3 LED6/NW 6W 220-240V L100 SQ   | (IEC4000K, 0.38, 0.38) < 5SDCM   |
| 929002675038 | DN027B G3 LED6/CW 6W 220-240V L100 SQ   | (IEC6500K, 0.313, 0.337) < 5SDCM |
| 929002675138 | DN027B G3 LED9/WW 9W 220-240V L125 SQ   | (IEC3000K, 0.44, 0.403) < 5SDCM  |
| 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 |
| 929002675438 | DN027B G3 LED12/WW 12W 220-240V L150 SQ | (IEC3000K, 0.44, 0.403) < 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   |

| Order Code   | Full Product Name                    | Power Consumption |
|--------------|--------------------------------------|-------------------|
| 929002676038 | DN027C G3 LED12/WW 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              |
| 929002676538 | DN027C G3 LED15/CW 15W 220-240V D200 | 15 W              |
| 929002676638 | DN027C G3 LED20/WW 19W 220-240V D225 | 19 W              |
| 929002676838 | DN027C G3 LED20/CW 19W 220-240V D225 | 19 W              |

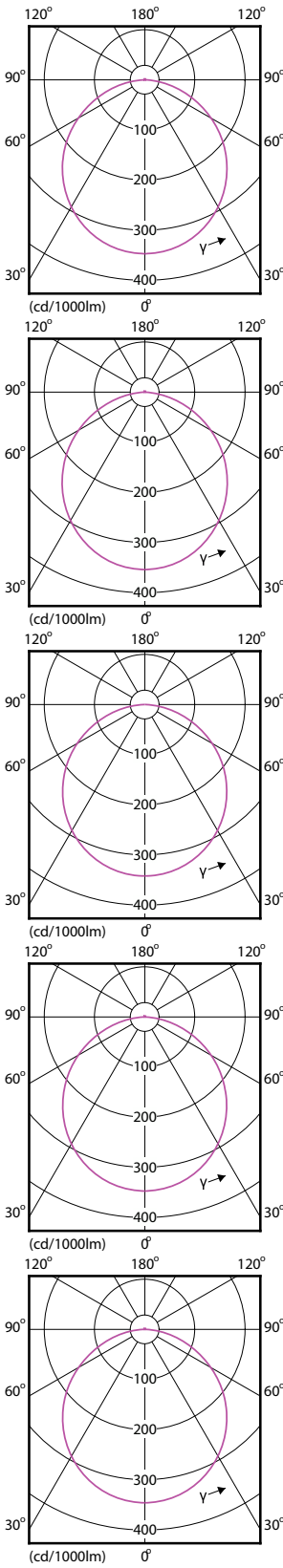
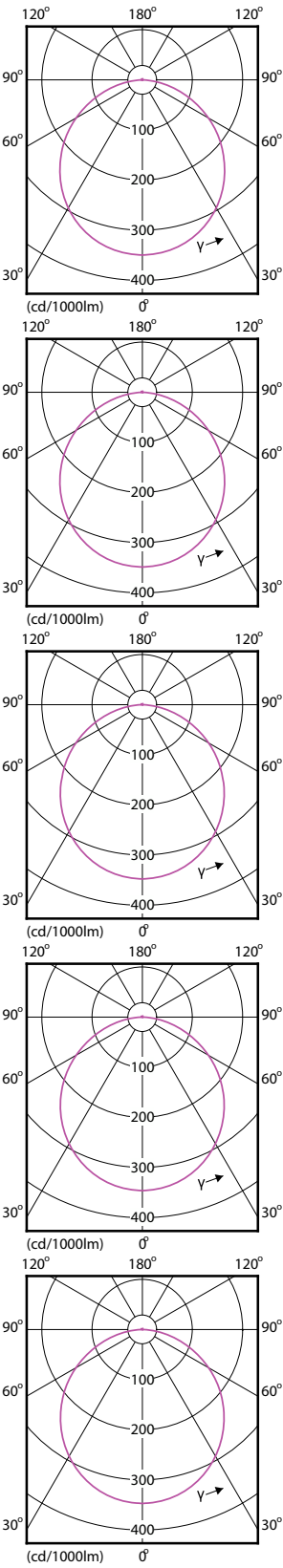
| Order Code   | Full Product Name                       | Initial chromaticity             |
|--------------|-----------------------------------------|----------------------------------|
| 929002673538 | DN027B G3 LED12/CW 12W 220-240V D150 RD | (IEC6500K, 0.313, 0.337) < 5SDCM |
| 929002673938 | DN027B 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 |
| 929002675738 | DN027C G3 LED9/WW 9W 220-240V D150      | (IEC3000K, 0.44, 0.403) < 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  |
| 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  |
| 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  |
| 929002676838 | DN027C G3 LED20/CW 19W 220-240V D225    | (IEC6500K, 0.313, 0.337) < 5SDCM |



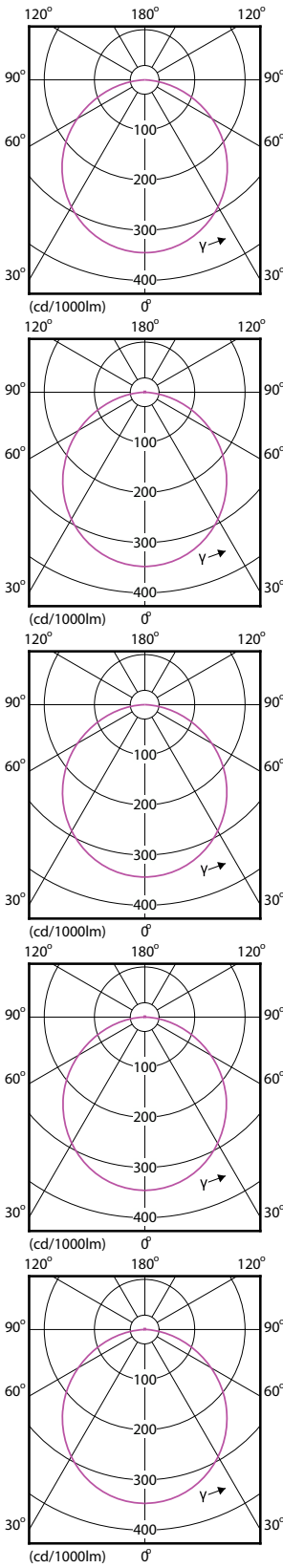
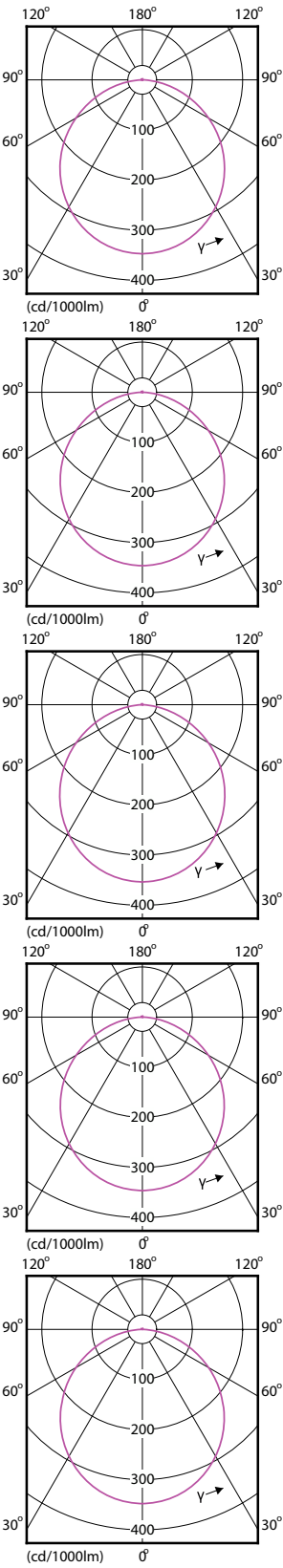
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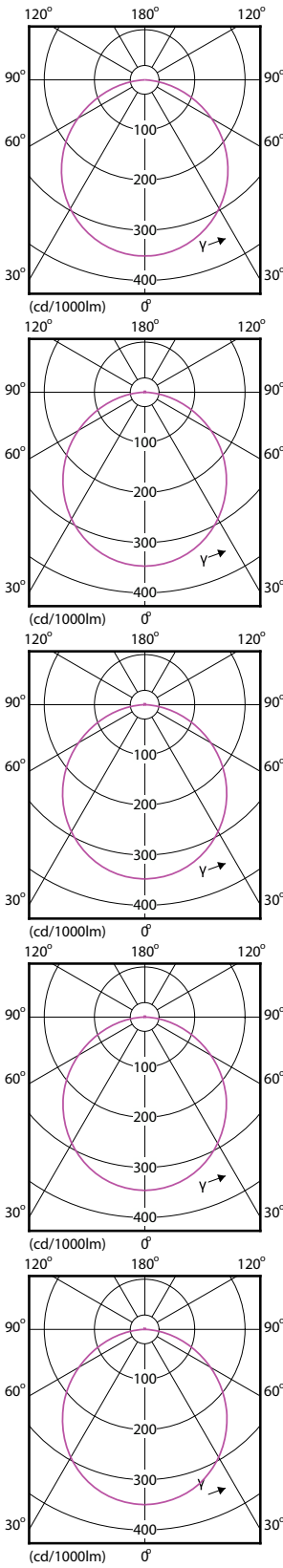
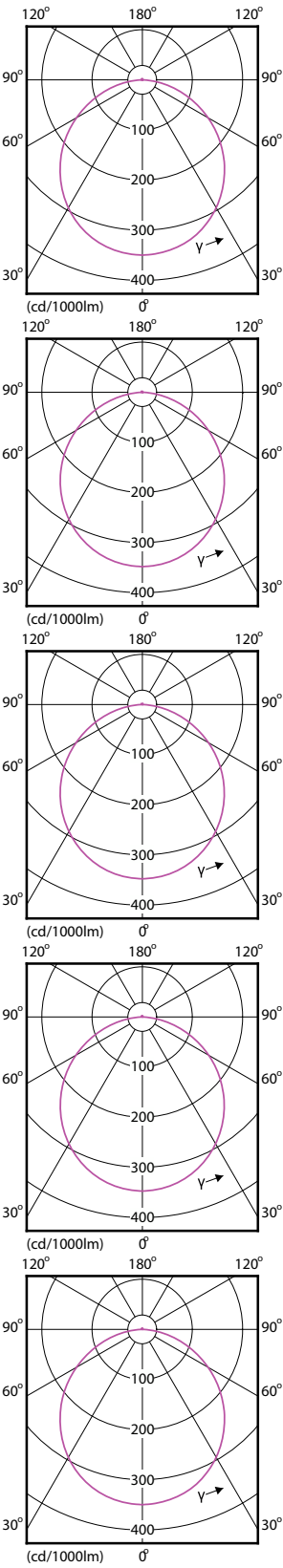
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