

Design & Manufacturers of Lighting solutions  
Industrial • Commercial • Retail • Bespoke

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## DLV-R 8" Downlight

## Product Overview



### Dimensions:

Trim ring diameter: 260mm

Height: 155mm

Cut-out: 215-250mm

Total weight (CKD): 1.38 Kg

### Material:

Heatsink: Aluminium LM6

Trim ring: Aluminium LM6

Reflector: Aluminium 1090

Reflector clip: Stainless steel 201

Glass: Transparent

Mounting clips: Nickel plated iron

### Mechanical parameters:

IP rating: 20

### LED Module parameters:

Type: COB + D50 COB holder required

Mounting distance: 35mm

COB LES: 18mm

COB height: 3.5mm

Max LED wattage: 50W

### Features:

Distributions: 45° / 60°

Trim ring finish: White / Black / Other

Male / female connector for plug and play (COB to LED driver)

### Available in:

CKD format

Populated

### Applications:



Retail



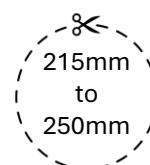
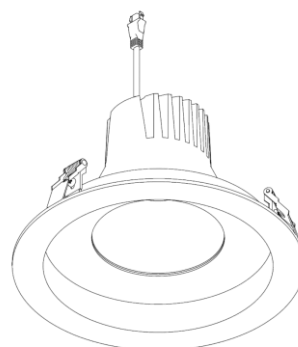
Public  
Facilities



Hospitality



Commercial

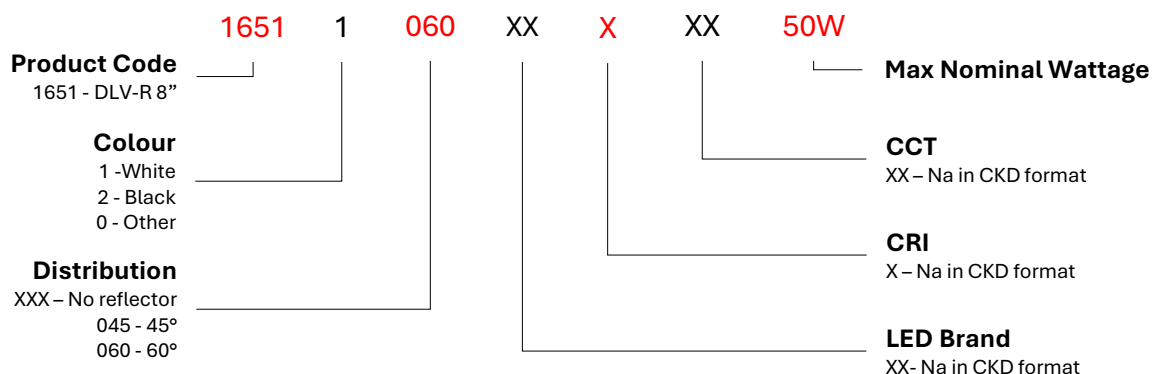


H: 155mm  
Ø: 260mm

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## DLV-R 8" Downlight CKD format



## DLV-R 8" Downlight CKD format

| Colour | Distribution (°) | Code              |
|--------|------------------|-------------------|
| White  | No Reflector     | 16511XXXXXXXXX50W |
| Black  | No Reflector     | 16512XXXXXXXXX50W |
| White  | 45               | 16511045XXXXXX50W |
| Black  | 45               | 16512045XXXXXX50W |
| White  | 60               | 16511060XXXXXX50W |
| Black  | 60               | 16512060XXXXXX50W |

Complete knock-down kit – excludes LED component

## DLV-R 8" Downlight reflector

| Distribution (°) | Code       |
|------------------|------------|
| 45               | 160/R045/0 |
| 60               | 160/R060/0 |

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## DLV-R 8" Downlight populated format

1651 1 060 BR 8 30 50W

**Product Code** 1651 - DLV-R 8"

**Colour**  
1 - White  
2 - Black  
0 - Other

**Distribution**  
XXX - No reflector  
045 - 45°  
060 - 60°

**LED Brand**  
BR - Bridgelux

**CRI**  
8 - 80  
9 - 90

**CCT**  
30 - 3000K  
40 - 4000K  
50 - 5000K

**Max Nominal Wattage**

| CCT            | Distribution | Nominal wattage | Drive current | Voltage | Lumens | Lumen/Watt | UGR   |
|----------------|--------------|-----------------|---------------|---------|--------|------------|-------|
| (K)            | (°)          | (W)             | (mA)          | (Vf)    | (lm)   | (lm/W)     | (UGR) |
| 3000<br>(Gen7) | 45           | 23.3            | 700           | 33.2    | 2 869  | 12.8       | 19.1  |
|                |              | 28.5            | 850           | 33.6    | 3 432  | 120        | 19.7  |
|                |              | 35.7            | 1050          | 34.0    | 4 153  | 116        | 20.5  |
|                |              | 41.2            | 1200          | 34.3    | 4 672  | 113        | 21.0  |
|                |              | 48.7            | 1400          | 34.8    | 5 340  | 110        | 21.4  |
|                | 60           | 23.3            | 700           | 33.2    | 2 870  | 123        | 18.9  |
|                |              | 28.5            | 850           | 33.6    | 3 435  | 120        | 19.7  |
|                |              | 35.7            | 1050          | 34.0    | 4 154  | 116        | 20.4  |
|                |              | 41.2            | 1200          | 34.3    | 4 670  | 114        | 20.9  |
|                |              | 48.7            | 1400          | 34.8    | 5 326  | 109        | 21.4  |
| 4000<br>(Gen8) | 45           | 23.3            | 700           | 33.2    | 3 065  | 132        | 18.4  |
|                |              | 28.5            | 850           | 33.6    | 3 669  | 129        | 19.1  |
|                |              | 35.7            | 1050          | 34.0    | 4 445  | 125        | 19.9  |
|                |              | 41.2            | 1200          | 34.3    | 4 987  | 121        | 20.3  |
|                |              | 48.7            | 1400          | 34.8    | 5 691  | 117        | 20.8  |
|                | 60           | 23.3            | 700           | 33.2    | 3 121  | 134        | 20.0  |
|                |              | 28.5            | 850           | 33.6    | 3 735  | 131        | 20.7  |
|                |              | 35.7            | 1050          | 34.0    | 4 526  | 127        | 21.4  |
|                |              | 41.2            | 1200          | 34.3    | 5 102  | 124        | 21.9  |
|                |              | 48.7            | 1400          | 34.8    | 5 833  | 120        | 22.4  |

Based on: Bridgelux / CRI > 80 / DLV-R 6"

5-year warranty

Tolerance range of optical and electrical data is ± 7%.

Data excludes losses of a constant current power supply

Optical and electrical data may increase or decrease with a change of specifications and availability of components.

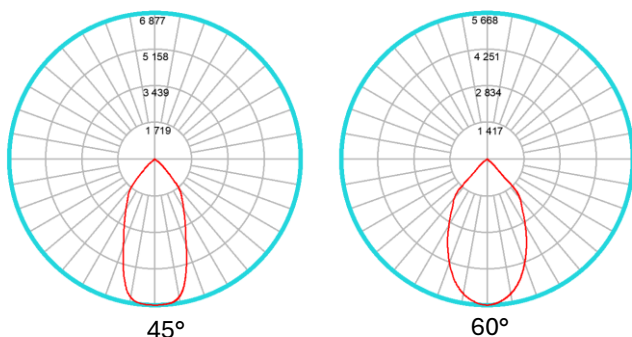
Please note: Data may be rounded up/down for illustrative purposes. We reserve the right to amend or change details without prior notification. E&OE

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## DLV-R 8" Downlight distributions



## DLV-R 8" Downlight parts

| Number | Parts                  | Units |
|--------|------------------------|-------|
|        | Heatsink               | 1     |
|        | DLV-R 8" ring          | 1     |
|        | DLV-R 8" mounting clip | 2     |
|        | Reflector              | 1     |
|        | Reflector clip         | 1     |
|        | Male/female connector  | 1     |
|        | COB mounting screw     | 2     |
|        | Unit packaging         | 1     |
|        | Packaging insert       | 1     |

## DLV-R 8" Downlight packaging CKD Format

| Packaging   | Dimensions (cm)    | Net weight (Kg) | Gross Weight (Kg) | Units |
|-------------|--------------------|-----------------|-------------------|-------|
| Box Size    | 27.0 x 27.0 x 17.8 | 1.376           | 1.638             | 1     |
| Carton Size | 56.0 x 56.0 x 37.6 | 11              | 14                | 8     |

## DLV-R 8" Downlight packaging Populated Format

| Packaging   | Dimensions (cm)    | Net weight (Kg) | Gross Weight (Kg) | Units |
|-------------|--------------------|-----------------|-------------------|-------|
| Box Size    | 13.8 x 13.8 x 13.5 | 0.427           | 0.512             | 1     |
| Carton Size | 43.5 x 43.5 x 30.0 | 11              | 14                | 8     |

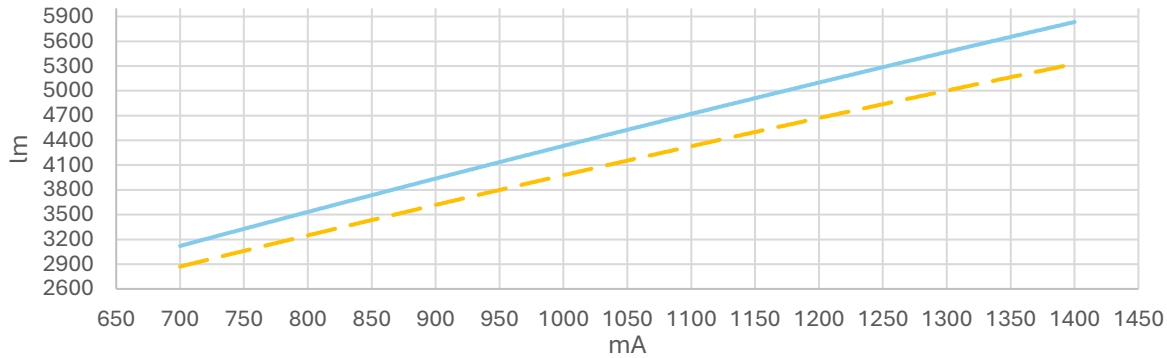
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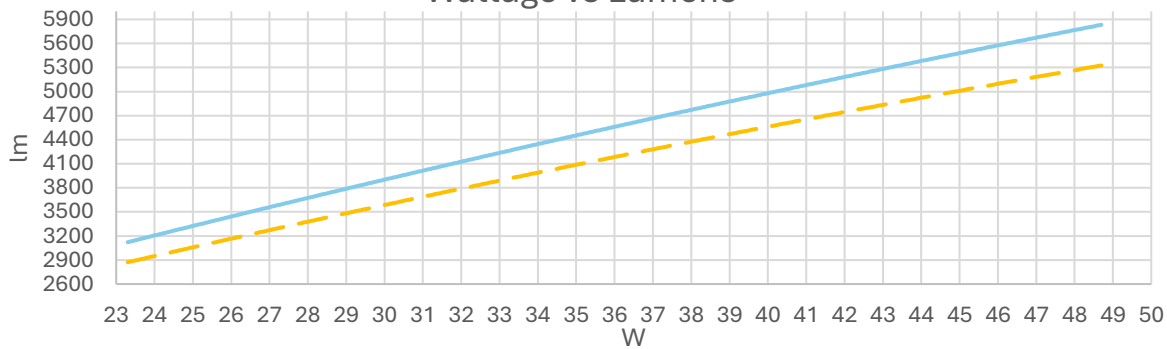
## DLV-R 8" Downlight Performance Curve

CRI > 80 / 60°      — 3000K      — 4000K

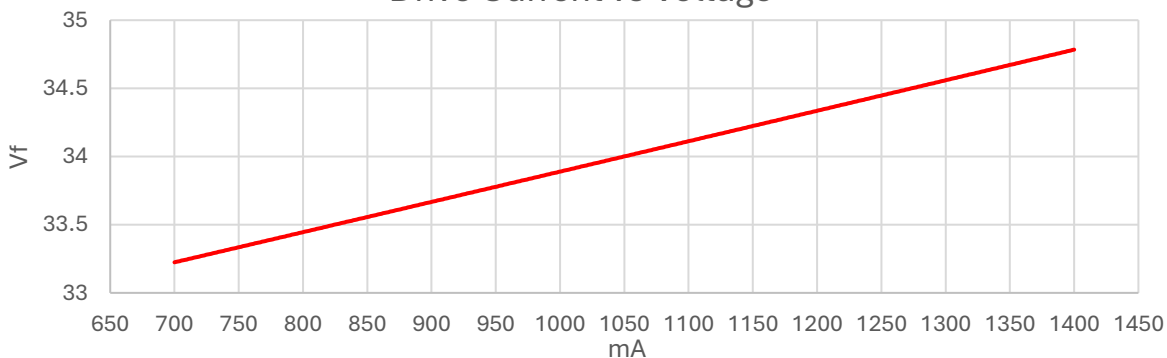
Drive Current vs Lumens



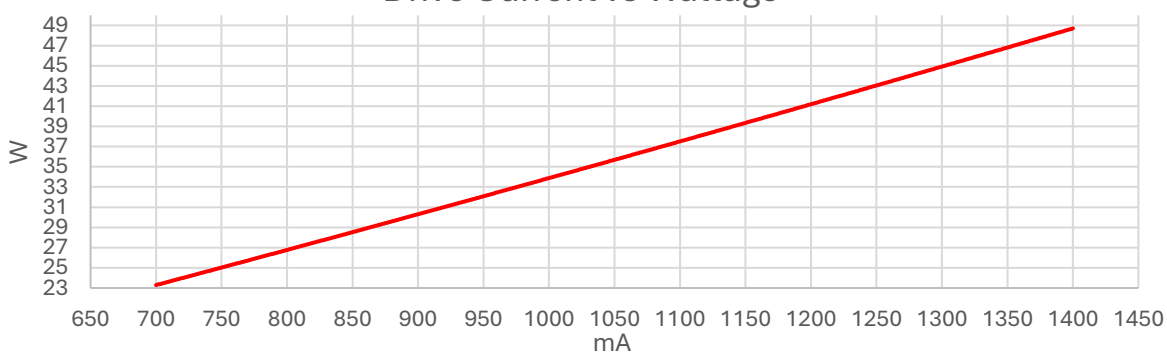
Wattage vs Lumens



Drive Current vs Voltage



Drive Current vs Wattage



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## DLV-R 6" Downlight compatibility products

| Image | Compatible attachment: |
|-------|------------------------|
| 1     | DLV-R 8"ring           |



| Image | Compatible Heatsink: |
|-------|----------------------|
| 2     | EDL-R 8" Heatsink    |

