

Design & Manufacturers of Lighting solutions
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DLV-R 6" Downlight

Product Overview



Dimensions:

Trim ring diameter: 170mm

Height: 155mm

Cut-out: 155mm

Total weight (CKD): 1.11 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



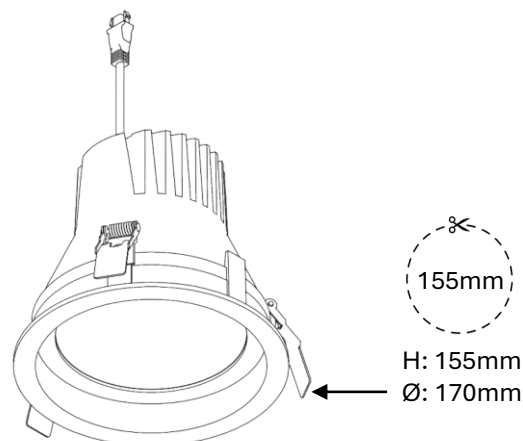
Public
Facilities



Hospitality



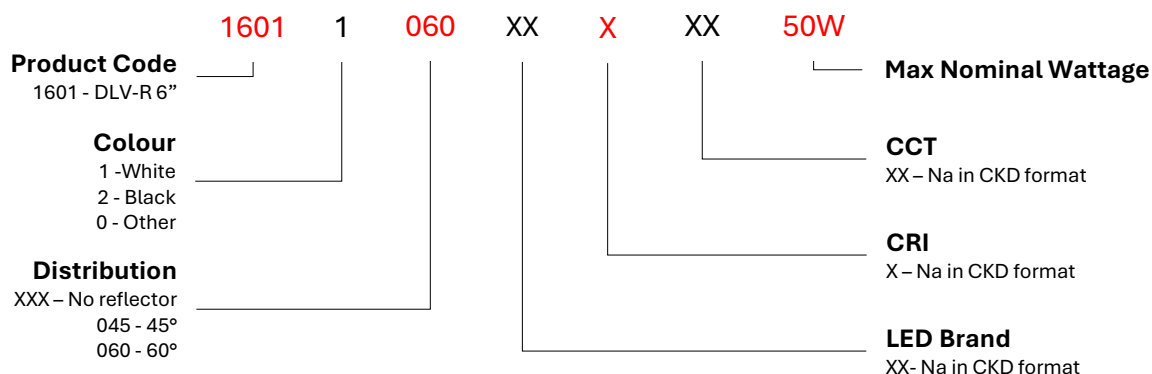
Commercial



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DLV-R 6" Downlight CKD format



DLV-R 6" Downlight CKD format

Colour	Distribution (°)	Code
White	No Reflector	16011XXXXXXXXX50W
Black	No Reflector	16012XXXXXXXXX50W
White	45	16011045XXXXXX50W
Black	45	16012045XXXXXX50W
White	60	16011060XXXXXX50W
Black	60	16012060XXXXXX50W

Complete knock-down kit – excludes LED component

DLV-R 6" Downlight reflector

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

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DLV-R 6" Downlight populated format

1601 1 060 BR 8 30 50W

Product Code
1601 - DLV-R 6"

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 (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 (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

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.

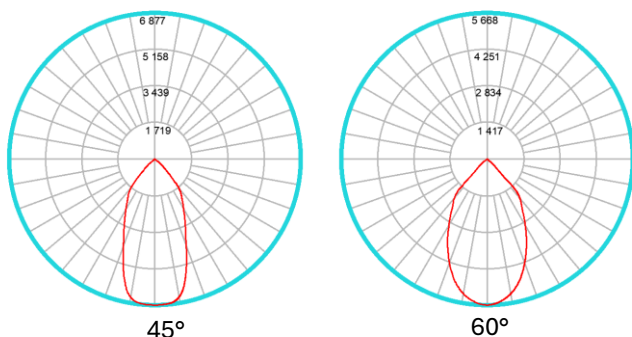
Please note: Data may be rounded up/down for illustrative purposes. We reserve the right to amend or change details without prior notification. E&OE

REV20241010

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DLV-R 6" Downlight distributions



DLV-R 6" Downlight parts

Number	Parts	Units
	Heatsink	1
	DLV-R 6" ring	1
	DLV-R 6" mounting clip	2
	Reflector	1
	Reflector clip	1
	Male/female connector	1
	COB mounting screw	2
	Unit packaging	1
	Packaging insert	1

DLV-R 6" Downlight packaging CKD Format

Packaging	Dimensions (cm)	Net weight (Kg)	Gross Weight (Kg)	Units
Box Size	20.5 x 20.5 x 17.8	1.108	1.276	1
Carton Size	43.0 43.0 x 37.6	9	11	8

DLV-R 6" Downlight packaging Populated Format

Packaging	Dimensions (cm)	Net weight (Kg)	Gross Weight (Kg)	Units
Box Size	20.5 x 20.5 x 17.8	1.115	1.283	1
Carton Size	43.0 43.0 x 37.6	9	11	8

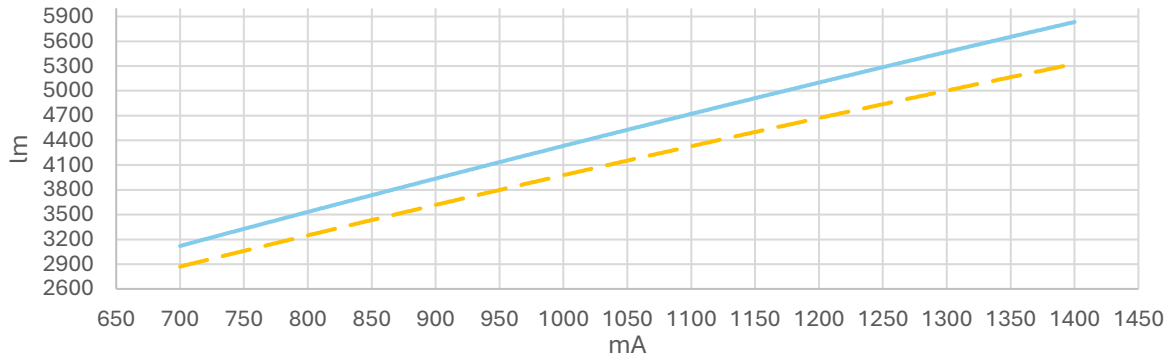
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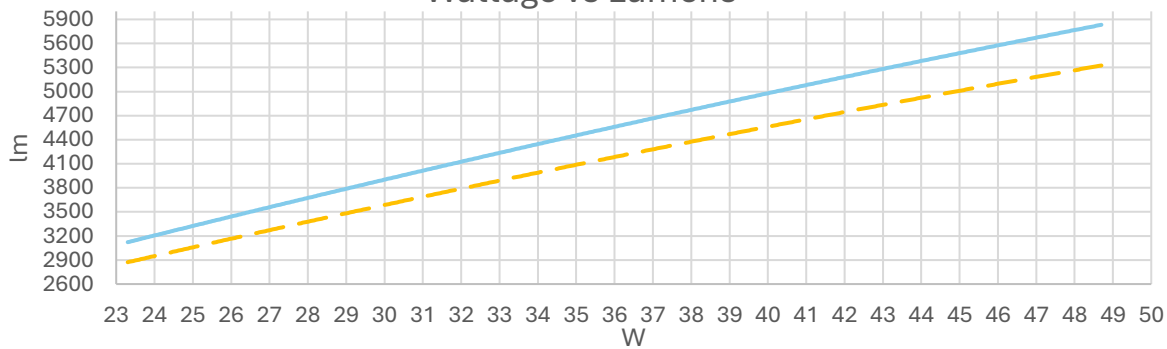
DLV-R 6" Downlight Performance Curve

CRI > 80 / 60° — 3000K — 4000K

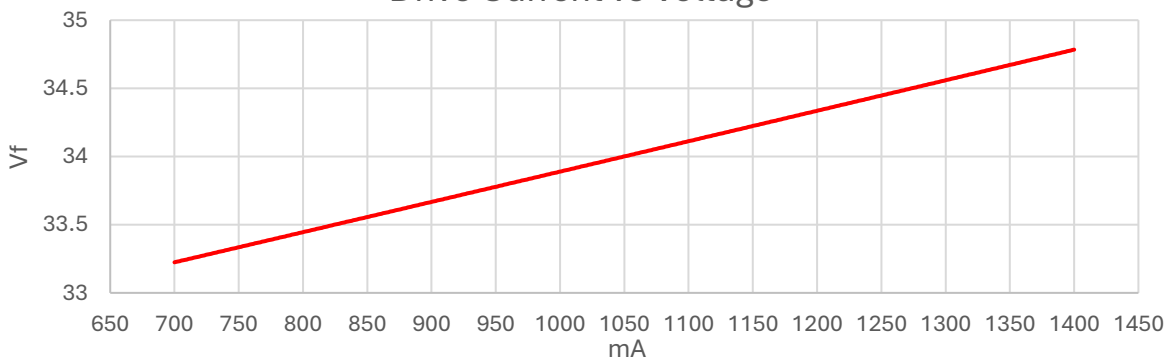
Drive Current vs Lumens



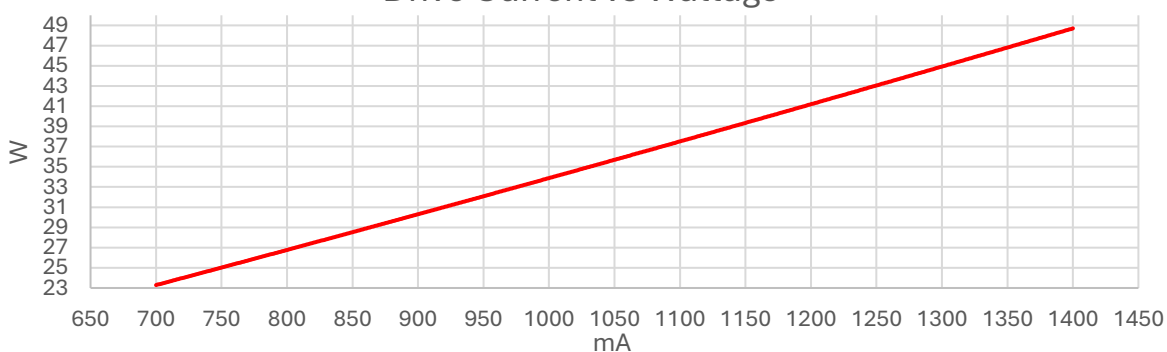
Wattage vs Lumens



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

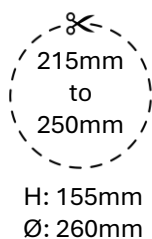


Image	Compatible Heatsink:
2	EDL-R 6" Heatsink

