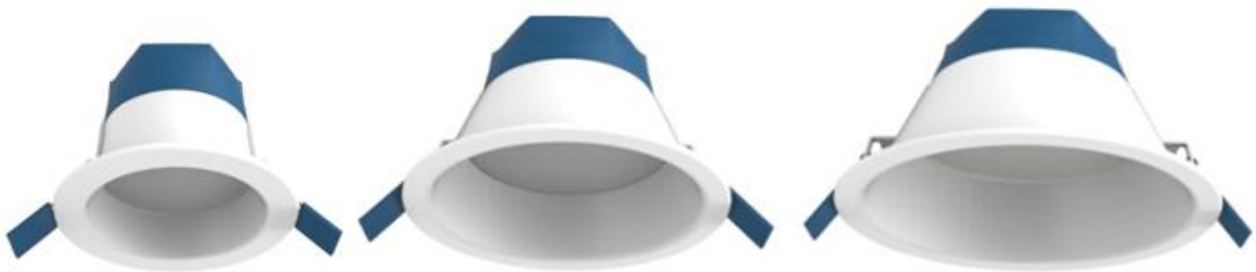


OPTIVALU® DOWNLIGHT

409/612/616/821/830

Data Sheet (Preliminary)



The OPTIVALU® Down Light is an ideal solution with comfortable lighting for general illumination applications. It features very high efficacy & better uniformity offering excellent lighting experience, making it perfect to replace 4" - 1x18W, 6" - 2x13W / 2x18W and 8" - 2x26W/2x32W CFL down light with up to 60% of energy savings.

FEATURES

- **Very Good Efficiency**
Very high efficiency (100lm/W), high efficient ensures energy saving when replace CFL downlight solution
- **Comfortable lighting**
16degree cutoff angle, better SDCM, and special designed micro optics offers good lighting experience
- **Reliable**
50K hours lifetime ensures return on investments
- **Special Wiring Consideration**
Ready for Cable Wiring & Conduit Wiring
- **Good looking**
Robust Design

APPLICATIONS

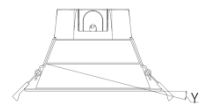
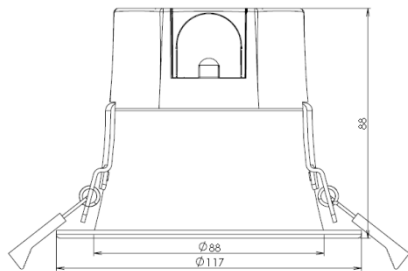
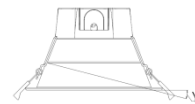
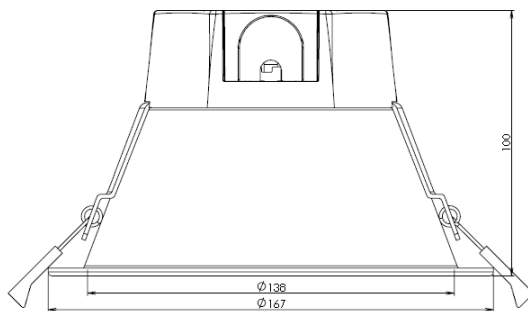
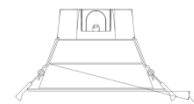
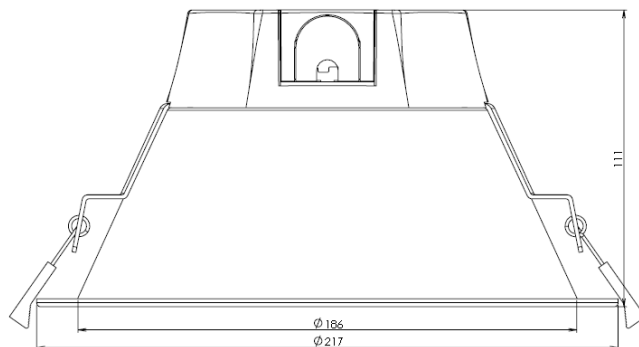
- Office
- Commercial Building
- Retail Stores
- Shopping Malls
- Lobby and Corridor

SPECIFICATION (Preliminary)

Parameter	OPTIVALU DL 4"	OPTIVALU DL 6"		OPTIVALU DL 8"	
Types	9W	12W	16W	21W	30W
Lumens (lm)	750lm 800lm 850lm	1,050lm 1,100lm 1,150lm	1,380lm 1,450lm 1,520lm	1,850lm 1,950lm 2,050lm	2,700lm 2,850lm 3,000lm
Beam Angle	80°	85°	85°	85°	85°
Power (typ.)	8.9W	11.5W	15.2W	20.5W	30.2W
Efficacy (lm/W)	85lm/W 90lm/W 95lm/W	90lm/W 95lm/W 100lm/W	90lm/W 95lm/W 100lm/W	90lm/W 95lm/W 100lm/W	90lm/W 95lm/W 100lm/W
CCT (K)	3000K 4000K 5700K	3000K 4000K 5700K	3000K 4000K 5700K	3000K 4000K 5700K	3000K 4000K 5700K
CRI	80	80	80	80	80
SDCM	<5	<5	<5	<5	<5
Cutoff Angle	16D	16D	16D	16D	16D
Dimension (mm)	Ø117 x 90 (H)	Ø167 x 100 (H)	Ø167 x 100 (H)	Ø217 x 110 (H)	Ø217 x 110 (H)
Mounting Hole	Ø 105mm	Ø 150mm	Ø 150mm	Ø 200mm	Ø 200mm
Installation height	100mm	110mm	110mm	120mm	120mm
Ceiling thickness	2~20mm	2~20mm	2~20mm	2~20mm	2~20mm
Weight	200g	250g	250g	300g	300g
Input Voltage	220~240VAC 50/60Hz				
Power Factor	0.94				
Body Material	Aluminum Body, thickness: 1.2mm Diffuser cover: PC				
Ambient (°C)	-20 ... 40°C (T _a in free air)				
Storage (°C)	-20 ... 80°C				
IP Rating	IP20				
Classification	Class I				
Lifetime (L70, T _a @ 25°C)	50KHours				
Approval Standard	IEC 60598-1, IEC 60598-2-2, IEC 61347-1, IEC 61347-2-13, IEC 62471, IEC/TR 62471-2, CISPR 15, IEC 61547, IEC 61000-3-2, Glow Wire Test (850°C)				
Approval Mark	CB & CCC				
Flammability	F				
Environment	RoHS				

- 1.) Due to the special conditions of manufacturing processes of LED, the typical data of technical parameters can only reflect statistical figures and do not necessarily correspond to the actual parameters of each single product which could differ from the typical data.
- 2.) Exceeding maximum ratings for operation voltage will cause hazardous overload and will likely destroy the LED module.
- 3.) Exceeding maximum ratings for operation and storage temperature will reduce expected life time or destroy the LED module.

DIMMENSION DRAWINGS

 $\gamma = 16D$  $\gamma = 16D$  $\gamma = 16D$

PHOTOMETRICS

Note: Due to manufacturing processes of LED, the polar candela distribution and distance illuminance only reflect statistical figures and do not necessarily correspond to the actual parameters of individual product that may differ from the typical values.

ORDERING CODES

Material	IC Short text	Product description	EAN 10	EAN 40
AA786650055	OPTV DL 409 830 4X1 OSRAM	OPTV DL 4 inch 9W 3000K	4052899259232	4052899259249
AA786660055	OPTV DL 409 840 4X1 OSRAM	OPTV DL 4 inch 9W 4000K	4052899259256	4052899259263
AA786670055	OPTV DL 409 857 4X1 OSRAM	OPTV DL 4 inch 9W 5700K	4052899259270	4052899259287
AA786680055	OPTV DL 612 830 4X1 OSRAM	OPTV DL 6 inch 12W 3000K	4052899259294	4052899259300
AA786690055	OPTV DL 612 840 4X1 OSRAM	OPTV DL 6 inch 12W 4000K	4052899259317	4052899259324
AA786700055	OPTV DL 612 857 4X1 OSRAM	OPTV DL 6 inch 12W 5700K	4052899259331	4052899259348
AA786710055	OPTV DL 616 830 4X1 OSRAM	OPTV DL 6 inch 16W 3000K	4052899259355	4052899259362
AA786720055	OPTV DL 616 840 4X1 OSRAM	OPTV DL 6 inch 16W 4000K	4052899259379	4052899259386
AA786730055	OPTV DL 616 857 4X1 OSRAM	OPTV DL 6 inch 16W 5700K	4052899259393	4052899259409
AA786740055	OPTV DL 821 830 4X1 OSRAM	OPTV DL 8 inch 21W 3000K	4052899259416	4052899259423
AA786750055	OPTV DL 821 840 4X1 OSRAM	OPTV DL 8 inch 21W 4000K	4052899259430	4052899259447
AA786760055	OPTV DL 821 857 4X1 OSRAM	OPTV DL 8 inch 21W 5700K	4052899259454	4052899259461
AA786770055	OPTV DL 830 830 4X1 OSRAM	OPTV DL 8 inch 30W 3000K	4052899259478	4052899259485
AA786780055	OPTV DL 830 840 4X1 OSRAM	OPTV DL 8 inch 30W 4000K	4052899259492	4052899259508
AA786790055	OPTV DL 830 857 4X1 OSRAM	OPTV DL 8 inch 30W 5700K	4052899259515	4052899259522

SALES & TECHNICAL SUPPORT

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Sales and technical support is given by the local OSRAM subsidiaries. Complete subsidiaries listing is available at OSRAM homepage.