

# LED Downlight

- **Between 50% and 80% energy saving**
- **Over 50,000 hours life expectancy**
- **5 year manufacturer's warranty**
- **Modern one piece design**
- **Complete range of sizes**
- **Low glare**



**A range of very high performance Ceiling Lights or 'Downlights' for every possible situation.**

## Key Features :

Advanced LED chips with efficacy of over 150 lumens per watt, giving over 110 lumens per watt on the overall fixture performance inclusive of Driver and Optical losses. These light fittings are “back-lit” for maximum light output.

Low glare due to the even spread of light over a large surface area makes these light fittings ideal for schools, offices, hospitals, factories and indeed anywhere computers are used or where staff or the building users are focussed on tasks for lengthy periods of time.

All metal and plastic case together with TPA grade polycarbonate diffuser means that there is no glass, mercury or other hazardous substances (unlike CFL lamps) which means these light fittings are not only energy efficient but also environmentally friendly and very safe.

Can be upgraded to emergency fitting with a simple 'plug-in' module.

Unique driver module design with selectable power output allows the user to modify lighting levels and energy consumption to optimise the installation – all fittings in the New Vision range are powered by just two different 'plug and play' drivers.

# LED Downlight

## Models & Performance

Model	Cut-Out Diameter	Overall Diameter	Height	CRI	Colour Temperature	Luminous Flux	Efficacy	Input Power	Input Current	LED Voltage	Optimum LED Current	Max. Driver Current	Power	Efficacy	Luminous Flux
LDL-303-860-L01	85mm	125mm	54mm	80	6000K	330lm	110lm/W	3W	15mA	27Vdc	90mA	135mA	4.5W	100lm/W	450lm
LDL-303-840-L01					4000K	330lm	110lm/W							100lm/W	450lm
LDL-303-827-L01					2700K	300lm	100lm/W							90lm/W	405lm
LDL-405-860-L01	105mm	125mm	48mm	80	6000K	495lm	110lm/W	4.5W	22mA	27Vdc	140mA	210mA	7.0W	100lm/W	700lm
LDL-405-840-L01					4000K	495lm	110lm/W							100lm/W	700lm
LDL-405-827-L01					2700K	450lm	100lm/W							90lm/W	630lm
LDL-506-860-L01	120mm	140mm	48mm	80	6000K	660lm	110lm/W	6.0W	30mA	27Vdc	180mA	270mA	9.0W	100lm/W	900lm
LDL-506-840-L01					4000K	660lm	110lm/W							100lm/W	900lm
LDL-506-827-L01					2700K	600lm	100lm/W							90lm/W	810lm
LDL-609-860-L01	145mm	168mm	48mm	80	6000K	990lm	110lm/W	9.0W	45mA	27Vdc	270mA	405mA	13.5W	100lm/W	1,350lm
LDL-609-840-L01					4000K	990lm	110lm/W							100lm/W	1,350lm
LDL-609-827-L01					2700K	900lm	100lm/W							90lm/W	1,215lm
LDL-712-860-L01	170mm	190mm	58mm	80	6000K	1,320lm	110lm/W	12.0W	59mA	27Vdc	360mA	540mA	18.0W	100lm/W	1,800lm
LDL-712-840-L01					4000K	1,320lm	110lm/W							100lm/W	1,800lm
LDL-712-827-L01					2700K	1,200lm	100lm/W							90lm/W	1,620lm
LDL-815-860-L01	205mm	230mm	58mm	80	6000K	1,650lm	110lm/W	15.0W	75mA	27Vdc	450mA	680mA	22.5W	100lm/W	2,250lm
LDL-815-840-L01					4000K	1,650lm	110lm/W							100lm/W	2,250lm
LDL-815-827-L01					2700K	1,500lm	100lm/W							90lm/W	2,025lm
LDL-918-860-L01	235mm	270mm	68mm	80	6000K	1,980lm	110lm/W	18.0W	90mA	27Vdc	540mA	810mA	27.0W	100lm/W	2,700lm
LDL-918-840-L01					4000K	1,980lm	110lm/W							100lm/W	2,700lm
LDL-918-827-L01					2700K	1,800lm	100lm/W							90lm/W	2,430lm

Data based on Driving the Downlight at Max. DC current

Photometric data based on Driving the Downlight at optimum DC current

## Compliance

### EMC Directive

EN55015:2013  
EN61547:2009  
EN61000-3-2:2006+A1:2009+A2:2009  
EN61000-3-3:2013

### Low Voltage (safety) Directive

EN60598  
EN62493:2010

### Performance for LED Drivers

EN62384



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## Standard Specifications (Downlight)

Voltage	27Vdc
Available Colour Temperature	Warm White Cool White Daylight
Operating temperature	-25C to 50C
CRI	>80
Total Life expectancy	50,000 hours (MTBF)
Lumen maintenance	LM90 @ 20,000 hours LM70 @ 50,000 hours
Warranty	5 Years
Typical Unified Glare Rating (UGR)	< 19
Diffuser Material	TPa

## Standard Specifications (Driver)

Voltage (input)	200-240Vac (50-60Hz)
Voltage (output)	27Vdc
Power Factor	>0.90
Operating temperature	-25C to 50C
Total Life expectancy	50,000 hours (MTBF)
Warranty	5 Years