Ultra-Slim LED Downlight

energys™

NEWVISION

TRIDONIC

- 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 (square and round)
- Low glare
- Adjustable output drivers
- Emergency version available

A range of very high performance ceiling lights or 'downlights' for every possible situation. The advanced variable output driver allows the power output to be adjusted between four preset power levels with a simple switch.

Key Features :

Advanced LED chips with efficacy of over 150 lumens per watt, giving over 85 lumens per watt on the overall fixture performance inclusive of driver and optical losses.

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

An 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, or to a full self test emergency fitting using Tridonic self test emergency drivers.

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.

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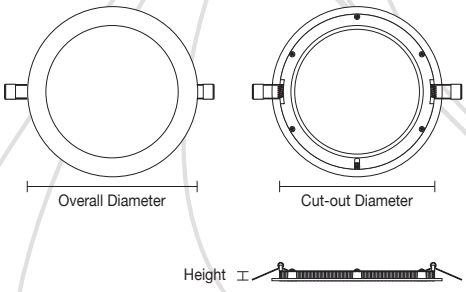
Models & Performance

Model#	Cut-Out Diameter (Edge)	Overall Diameter (Edge)	Height	CRI	Colour Temperature	Luminous Flux	Efficacy	Input Current (@240Vac)	Input Power	LED Current	LED Voltage
SDL-303-860-R01	90mm	110mm	12mm	80	6000K	255lm	85lm/W	15mA	3W	115mA	27Vdc
SDL-303-840-R01					4000K	255lm	85lm/W				
SDL-303-827-R01					2700K	240lm	80lm/W				
SDL-405-860-R01 (S01)	105mm (100mm)	120mm (120mm)	12mm	80	6000K	383lm	85lm/W	22mA	4.5W	170mA	27Vdc
SDL-405-840-R01 (S01)					4000K	383lm	85lm/W				
SDL-405-827-R01 (S01)					2700K	360lm	80lm/W				
SDL-506-860-R01 (S01)	130mm (130mm)	150mm (150mm)	12mm	80	6000K	510lm	85lm/W	30mA	6.0W	220mA	27Vdc
SDL-506-840-R01 (S01)					4000K	510lm	85lm/W				
SDL-506-827-R01 (S01)					2700K	480lm	80lm/W				
SDL-609-860-R01 (S01)	150mm (150mm)	170mm (170mm)	12mm	80	6000K	765lm	85lm/W	45mA	9.0W	330mA	27Vdc
SDL-609-840-R01 (S01)					4000K	765lm	85lm/W				
SDL-609-827-R01 (S01)					2700K	720lm	80lm/W				
SDL-712-860-R01 (S01)	170mm (170mm)	190mm (195mm)	12mm	80	6000K	1,020lm	85lm/W	59mA	12.0W	440mA	27Vdc
SDL-712-840-R01 (S01)					4000K	1,020lm	85lm/W				
SDL-712-827-R01 (S01)					2700K	960lm	80lm/W				
SDL-815-860-R01 (S01)	200mm (200mm)	225mm (225mm)	12mm	80	6000K	1,275lm	85lm/W	75mA	15.0W	550mA	27Vdc
SDL-815-840-R01 (S01)					4000K	1,275lm	85lm/W				
SDL-815-827-R01 (S01)					2700K	1,200lm	80lm/W				
SDL-918-860-R01 (S01)	280mm (280mm)	300mm (300mm)	12mm	80	6000K	1,530lm	85lm/W	90mA	18.0W	660mA	27Vdc
SDL-918-840-R01 (S01)					4000K	1,530lm	85lm/W				
SDL-918-827-R01 (S01)					2700K	1,440lm	80lm/W				

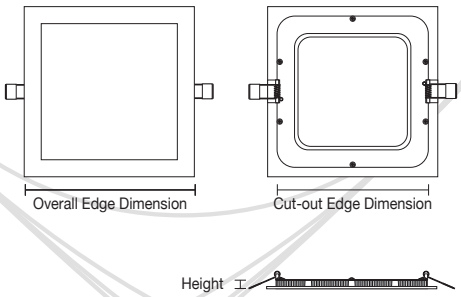
#R01 are round series where S01 are square series

*All models support adjustable power option - the values in this table are the recommended settings for a standard installation

Round Series



(Square Series)



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

Standard Specifications (Downlight)

Voltage	27Vdc
Available Colour Temperature	Warm White (2700K) Cool White (4000K) Daylight (6000K)
Operating temperature	-25°C to 50°C
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