

# Ultra-Slim **LED Downlight**

**ENERGYs**<sup>TM</sup>



**NEWVISION**  
**TRIDONIC**

- Between 50% and 80% energy saving
- Over 100,000 hours life expectancy
- 7years manufacturer's warranty
- Slimline design - less than 10mm thick
- Complete range of sizes
- Low glare
- Variable output drivers
- Emergency versions available



**A range of very high performance 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 100 lumens per watt on the overall fixture performance inclusive of driver and optical losses.

Low glare index due to 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 the staff or building users are focused on tasks for lengthy period of time.

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

Unique New Vision drivers 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.

Emergency Options available with Tridonic Emergency Drivers.

Compatible with New Vision IntelliDim system to maximise energy savings through smart controls.

# Sidelit Downlight - SDL series

Family : Recessed Luminaire / SDL

## Technical Overview

Product Code	Dimensions Rim (cut-out) diameter x height	Chips		Lamp				
		CRI	Efficacy	Photometric		Electrical		
				Efficacy	Lumen @max. power	Input Voltage (DC)	Input current (max.)	Lamp Power (max.)
SDL-03YYY-840-D01	Ø110(90) x 12mm	>80	190 lm/W	120 lm/W	907 lm	27 V	280 mA	7.6 W
SDL-04YYY-840-D01	Ø120(105) x 12mm	>80	190 lm/W	120 lm/W	907 lm	27 V	280 mA	7.6 W
SDL-05YYY-840-D01	Ø150(130) x 12mm	>80	190 lm/W	120 lm/W	907 lm	27 V	280 mA	7.6 W
SDL-06YYY-840-D01	Ø170(150) x 12mm	>80	190 lm/W	120 lm/W	907 lm	27 V	280 mA	7.6 W
SDL-07YYY-840-D01	Ø190(170)x 12mm	>80	190 lm/W	120 lm/W	1,231 lm	27 V	380 mA	10.3 W
SDL-08YYY-840-D01	Ø225(200)x 12mm	>80	190 lm/W	120 lm/W	1,555 lm	27 V	480 mA	13.0 W
SDL-09YYY-840-D01	Ø240(220)x 12mm	>80	190 lm/W	120 lm/W	1,782 lm	27 V	550 mA	14.9 W
SDL-12YYY-840-D01	Ø300(280) x 12mm	>80	190 lm/W	120 lm/W	1,782 lm	27 V	550 mA	14.9 W

### notes

- Standard product CCT is 4000K, for 2700K or 6000K, replace 840 in code with 827 or 860
- Available with driver replace D01 with S01
- 2700K products will yield 5% less efficacy and therefore 5% less light output
- Efficacy between Chip and Lamp level differs due to optical losses. (Driver loss not mentioned above)

## Supplied with New Vision Driver

Driver power is adjustable on-site

Product Codes	SDL-03009-840-S01	SDL-07009-840-S01
	SDL-04009-840-S01	SDL-08009-840-S01
	SDL-05009-840-S01	SDL-09009-840-S01
	SDL-06009-840-S01	SDL-12009-840-S01
Parameters	DRV-02018-ADJ-S01	
Driver Type	DRV-02018-ADJ-S01	
Input Voltage (DC)	27 V	
Input Current (DC)	280 mA	
Efficacy (System)	107 lm/W	
Input Voltage (AC)	100-240Vac (50/60Hz)	
Input Current (@240Vac)	35 mA	
Input Power (System)	8.5 W	
Lumen	907 lm	

### notes

- Standard product CCT is 4000K, for 2700K or 6000K, replace 840 in code with 827 or 860
- S01 products supplied with LED driver as specified above
- 2700K products will yield 5% less efficacy and therefore 5% less light output
- Efficacy between Lamp and System level differs due to Driver Losses

## Specifications

Operating temperature	-25 to +40°C	
Driver life expectancy	100,000 hours (MTBF @ta=25°C)	
Lumen maintenance @ max. power @ ta=25°C	L90 B10 @	35,000 hours
	L80 B10 @	65,000 hours
	L70 B10 @	100,000 hours
Warranty	7 years	
Protection rating	IP44 Front, IP20 Back	
Diffuser material	Polycarbonate	
Body material	Aluminium	

## Compliance

Low Voltage (Safety) Directive 2014/35/EU			
EN 60598-1			
EN 60598-2			
SELV 60	CE		ROHS