

Adjustable Angle **LED Downlight**

ENERGYS™



NEWVISION

CREE 

TRIDONIC

- Between 50% and 80% energy saving
- Over 100,000 hours life expectancy
- 7 years manufacturer's warranty
- Recessed LED reduces glare
- Complete range of sizes
- Narrow angle
- Variable output drivers
- Adjustable angle



A range of very high performance LED ceiling lights with recessed COB LEDs for high efficacy and very low glare. The advanced variable output driver allows the power output to be adjusted between four preset power levels with a simple switch.

Key Features:

CREE LED chips with over 90 CRI and efficacy of over 105 lumens per watt giving fixture lumens (inclusive of driver and optics losses) of 95 lumens per watt.

The recessed COB LED chip gives very high performance with reduced glare as the light source is set well back from the front end of the fitting. The high quality reflector ensures that the light is delivered in a well focused beam and the adjustable gimbal allows the light to be accurately directed to where it is needed.

Can be upgraded to emergency fitting with a simple plug-in module, or to a fully 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.

Focused Downlight - ADL series

Family : Recessed Luminaire / ADL

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.)
ADL-03YYY-940-D02	Ø95(75) x 60mm	>90	105 lm/W	95 lm/W	1,026 lm	30 V	360 mA	10.8 W
ADL-04YYY-940-D02	Ø130(116) x 60mm	>90	105 lm/W	95 lm/W	1,368 lm	30 V	480 mA	14.4 W
ADL-06YYY-940-D02	Ø155(145) x 60mm	>90	105 lm/W	95 lm/W	1,710 lm	30 V	600 mA	18.0 W
ADL-07YYY-940-D02	Ø190(175) x 60mm	>90	105 lm/W	95 lm/W	2,052 lm	30 V	720 mA	21.6 W

notes

- Standard product CCT is 4000K, for 2700K or 6000K, replace 940 in code with 927 or 960
- Available with driver replace D02 with S02
- Standard product beam angle is 24°, for 15° or 36°, replace D02 in code with D01 or D03
- 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	ADL-03009-940-S02	ADL-04013-940-S02	ADL-06016-940-S02	ADL-07018-940-S02
Parameters				
Driver Type	DRV-02018-ADJ-S01			
Input Voltage (DC)	30 V			
Input Current (DC)	280 mA	380 mA	480 mA	550 mA
Efficacy (System)	85 lm/W	85 lm/W	85 lm/W	85 lm/W
Input Voltage (AC)	200-240Vac (50/60Hz)			
Input Current (@240Vac)	39 mA	53 mA	67 mA	77 mA
Input Power (System)	9.4 W	12.8 W	16.2 W	18.5 W
Lumen	798 lm	1,083 lm	1,368 lm	1,568 lm

notes

- Standard product CCT is 4000K, for 2700K or 6000K, replace 940 in code with 927 or 960
- S01 products supplied with LED driver as specified above
- Standard product beam angle is 24°, for 15° or 36°, replace S02 in code with S01 or S03
- 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	L90 B10 @	35,000 hours
@ max. power	L80 B10 @	65,000 hours
@ ta=25°C	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