3 Years
Product Warranty
UK Only

High Power GLS (Dim)

Kosnic
LIGHTING • SIMPLY BETTER

07700 A16D-ES65

High Power A70 (GLS) 16W Dimmable ES (E27) 6500K Frosted

- High efficiency up to 129lm/W
- Save energy up to 85% compared with incandescent lamp
- Colour temperature of 3000K, 4000K and 6500K



Overview

The Kosnic range of High Power GLS products brings the energy saving capabilities of LED technology. This range offers different CCT with high lumen output. The lamps can quickly replace filament products in general lighting applications, and once in place rapid payback is achieved.

IP20

General Information

Ambient Temperature Range (°C)	-20°C to 40°C
IP Rating	IP20
Protection Rating	Class II
Installation Area	Internal
L80B10 Lifetime (h) @Ta 25 °C	9,000 h

Compliance

LVD	EN 62031:2020, EN 62471:2008, EN 62493:2015+A1:2022, EN 62560:2012+A11:2019
EMC	EN 55015:2019+A11:2020, EN 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019+A2:2021, EN 61547:2023
Others	UKCA, CE, RoHS, WEEE

Technical Summary	
Product Code	A16D-ES65
Input Voltage Supply	220-240Vac 50/60Hz
Inrush Current (peak/duration) (A)	5A/200us
Default Power	16 W
Power Factor	0.55
Default CCT	6,500 K
SDCM of CCT	<6
CRI	80
Dimmable	Y
Flicker	<1%
Lumens Output Maximum	1,901 lm
Maximum Efficiency	119 lm/W
L70B50 Lifetime (h) @Ta 25 °C	15,000 h
L80B10 Lifetime (h) @Ta 25 °C	9,000 h
L90B10 Lifetime (h) @Ta 25 °C	4,000 h
Nominal Lifetime (h)	15,000 h
Glow wire temperature(°C)	650
Blue Light Hazard	RG1
Weight	0.06Kg
Dimensions (L x W x D) (mm)	142x∅71
Beam Angle - Lumi (°)	180
LS Energy Efficiency Class	E

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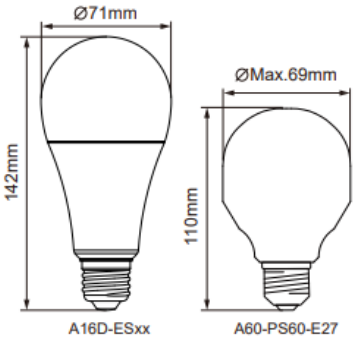
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Dimming Compatibility

It is important to appreciate that not all dimmer switches will provide effective, smooth and flicker free dimming. The operation of common mains voltage AC dimmers appears similar but the electrical characteristics vary significantly. While this makes no difference to filament lamps, the effect on the electronics within the LED lamp can be dramatic and are often incompatible. Please note that all information in this guide is based on testing under laboratory conditions and should be used as guidance only. Because of the complicated application environment, the huge variation in dimmer construction from one model to another it is not possible to guarantee that a lamp will work with a dimmer and undesirable effects could be observed even with recommended dimmer switches. In extreme cases incompatible dimmer switches may damage the lamps. **Please ensure that the set-up is tested for performance before committing to a large project.**

Recommended Dimmer Switches:

Manufacturer	Model	Marked Rating	Notes
Varilight	V.Pro	100W LED	1 to 7 lamps. Approximately 95% dimming.
Click	CMA145 (or MD9022)	250W	1 to 7 lamps. Approximately 85% dimming.
Zano	ZGRIDLED	250W LED	1 to 7 lamps. Approximately 95% dimming.
Robus	LOADPRO RLA200DT-01	133W LED	1 to 7 lamps. Approximately 90% dimming.
Hamilton	LEDITB	5-100W LED	1 to 7 lamps. Approximately 95% dimming.
Hamilton	H-LEDSTAT-GR	5-100W LED	1 to 7 lamps. Approximately 85% dimming.
LAP	H0025/B-SF	5-150W	1 to 7 lamps. Approximately 95% dimming.
Schneider	60-400VA TRANSFORMER	330W	1 to 7 lamps. Approximately 85% dimming.
Crabtree	SFCR1125/LED SFCR1225/LED	5-100W	1 to 7 lamps. Approximately 85% dimming.
Click	GM9042	60-400W	1 to 7 lamps. Approximately 75% dimming.
Danlers	DQDGD MK	400W	1 to 7 lamps. Approximately 85% dimming.
Schneider/GET	Multiway Digital	300W	1 to 7 lamps. Approximately 85% dimming.
Varilight	Eclique JDQI401S	400W	1 to 7 lamps. Approximately 85% dimming.
CYANIRIS	CYDIMRFT1 (Remote)	2 x 288W	1 to 12 lamps. Approximately 95% dimming.
MK	MB1523WHI	6-100W	1 to 12 lamps. Approximately 90% dimming.

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