



GLS High Efficient

High Power GLS Lamps

• Colour temperature of 4000K • Save energy up to 85% compared with incandescent lamp

HEGLSD06/E27-N40 (07172)

Specification

Voltage	220-240Vac 50/60Hz
Current (mA)	30
Rated Power (W)	6.5
CCT Words	Cool White
CCT (K)	4000
Total Luminous Flux (lm)	970
Nominal Lifetime (h)	15000
L70B50 Lifetime (h)	15000
Blue Light Hazard	RG1
Glow wire temperature(°C)	650
SDCM of CCT	<6
Flicker %	<2%
Power Factor	0.94
Ambient Temperature Range (°C)	-20 to 40
Weight (kg)	0.07
Protection Rating	Class II
IP Rating	IP20
Displacement Factor	0.8
High Luminance Light Source (Y/N)	N

Useful Luminous Flux (lm)	970
---------------------------	-----

Light Source Specification

Lighting Technology Used	LED
--------------------------	-----

Directional / Non Directional (DLS/NDLS)	NDLS
--	------

Light Source Cap Type (or other interface)	E27
--	-----

Mains / Non-Mains (MLS/NMLS)	MLS
------------------------------	-----

Connected Light source (Y/N)	N
------------------------------	---

Colour Tunable Light Source (Y/N)	N
-----------------------------------	---

High Luminance Light Source (Y/N)	N
-----------------------------------	---

Anti-Glare Shield (Y/N)	N
-------------------------	---

Dimmable (Y/N/Specific dimmer)	Y
--------------------------------	---

Energy Consumption in on-mode (kWh/1000H)	7
---	---

Energy Efficiency Class	D
-------------------------	---

Useful Luminous Flux (lm)	970
---------------------------	-----

Beam Angle correspondence (in 360°/120°/90°)	in 360°
--	---------

CCT	4000
-----	------

On-Mode Power (Pon) (W)	6.5
-------------------------	-----

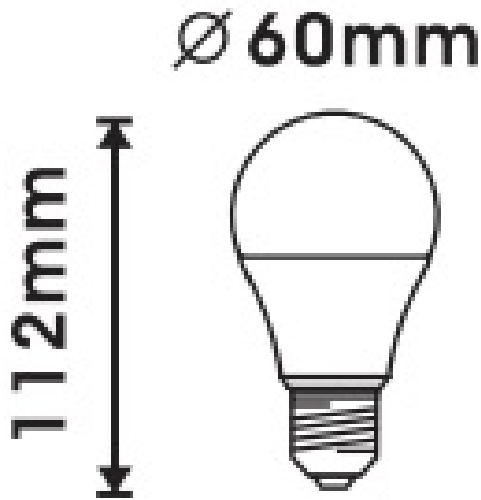
Standby Power (Psb) (W)	0
-------------------------	---

Networked Standby Power (Pnet) (W)	N/A
------------------------------------	-----

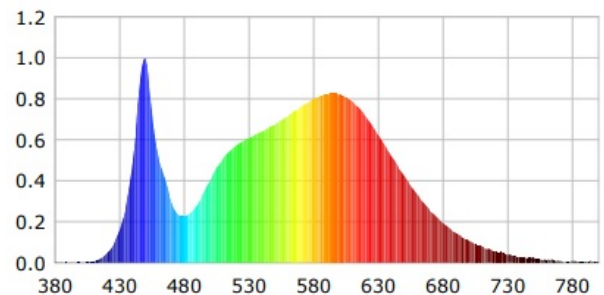
CRI	82
-----	----

CRI (min)	80
CRI (max)	84
Height (mm)	112
Width (mm)	60
Depth (mm)	60
Equivalent Power (W)	70
Chromaticity Co-Ordinates (X)	0.38
Chromaticity Co-Ordinates (Y)	0.38
Peak Luminous Intensity (DLS) (cd)	N/A
Beam Angle (DLS)	N/A
Beam Angle (min)(DLS)	N/A
Beam Angle (max) (DLS)	N/A
Survival Factor (x.xx)	0.9
Lumen Maintenance Factor (x.xx)	0.93
Displacement Factor	0.8
Colour Consistency in Mcadam Ellipses (Mains LED/OLED)	6
LED light source replaces fluorescent without integrated ballast of particular wattage (Mains LED/OLED) (Y/N)	N
Replacement W Claim (Mains LED/OLED) (W)	N/A
Flicker metric (pst LM) (x,x)	0.1
Stroboscopic effect metric (SVM) (x,x)	0.1

Technical Drawings



HEGLS04/E27
HEGLS06/E27
HEGLSD06/E27



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 particular 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
Click	CMA145 (or MD9022)	250W	1 to 16 lamps. Approximately 75% dimming.
Hamilton	H-LEDSTAT-GR	100W	1 to 16 lamps. Approximately 90% dimming.
Hamilton	H-GDM400W	400W	1 to 16 lamps. Approximately 70% dimming.
Hamilton	L400/2 (or N4002)	400W	1 to 16 lamps. Approximately 70% dimming.
MK	K1534RP***	250W	1 to 16 lamps. Approximately 70% dimming.