



DIMMABLE MR16 7W RETROFIT LED LAMP DATASHEET

1. Product name

UMR16S7-WH-DIM (White) UMR16S7-WW-DIM (Warm White)

2. Product description and application

The UMR16S7-DIM is a dimmable LED lamp suitable for use with electronic transformer. It allows easy replacement of halogen lamp whereby existing transformer can be used.

The UMR16S7-DIM lamp does not flicker and outputs 100% rated lumen when used with Electronic transformer. The internal driver is designed to be convert the high frequency voltage of the electronic transformer to usable voltage used by the LED.

A constant voltage 12V LED Driver can also be used to drive the MR16 7W.



3. Features

- Dimmable
- Long life time 30000hrs
- Warranty 3 years, based on 8 hours/day usage
- Compatible with Halogen MR16
- UV free, harmless for paintings and antiques
- Excellent cooling system

4. Optical characteristics

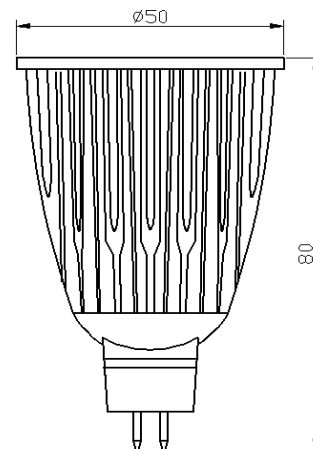
4.1 LED

LED Type: SHARP LED

LED Color: Warm white (3000K)

CRI: Warm white CRI > 80%

Lens: 60 degrees



4.2 LED Luminous flux

Series	LED lumen 5000K	Lamp lumen 3000K
UMR16S7-DIM	530lm	500lm

5. Electrical characteristics

Series	LED driver	Dimmable	Input voltage / current	Power efficiency	EMI
UMR16S7-DIM	Internal	Dimmable	12V AC/DC	Up to 90%	Not significant



SUITABLE DIMMERS

MANUFACTURER	COUNTRY	MODEL	TYPE	MR16 7W		
				COMPATIBILITY	LCP (W)	PF
ACTEC	AUSTRALIA	SERIESII MINI60 20-60W	ELECTRONIC	YES	7.6	0.887
ACTEC	AUSTRALIA	SERIESIII VENVS60 20-60W	ELECTRONIC	YES	7.58	0.895
ACTEC	AUSTRALIA	MINI105	ELECTRONIC	YES	7.7	0.898
ACTEC	AUSTRALIA	VENUS60	ELECTRONIC	YES	7.65	0.887
ALPHALUX	AUSTRALIA	ALXTE60L	ELECTRONIC	YES	7.98	0.825
ALPHALUX	AUSTRALIA	ALXTELT60L	ELECTRONIC	YES	7.97	0.758
ANOelucci	AUSTRALIA	for LVHalogen Lamps	ELECTRONIC	YES	7.95	0.801
ATCO	AUSTRALIA	TEK-150	ELECTRONIC	NO (Flickering)	6.76	0.754
CLA	AUSTRALIA	CALPANTHER	ELECTRONIC	YES	7.65	0.725
CLA	AUSTRALIA	CALDRAGON	ELECTRONIC	YES	8.25	0.8
CLIPSAL	AUSTRALIA	CDL1E60C	ELECTRONIC	YES	8.23	0.875
COMBRITE	AUSTRALIA	TB60L 240 10-60W	ELECTRONIC	YES	8.95	0.909
COUCAR	AUSTRALIA	SET60M	ELECTRONIC	YES	8.77	0.805
CROMPTON	AUSTRALIA	EXEL60VA Series I	ELECTRONIC	NO	1.82	0.345
CROMPTON	AUSTRALIA	EXEL60VA Series II	ELECTRONIC	NO	1.65	0.352
CROMPTON	AUSTRALIA	EXEL60VA Series III	ELECTRONIC	NO	1.73	0.335
CROMPTON	AUSTRALIA	CBC60	ELECTRONIC	TO BE TESTED	TO BE TESTED	TO BE TESTED
HAVIT LightiNO	AUSTRALIA	SET 105R	ELECTRONIC	YES	8.51	0.757
HEP GROUP	AUSTRALIA	TB60E 240 10-60W	ELECTRONIC	YES	8.98	0.929
LANSON	AUSTRALIA	LANELVT60L	ELECTRONIC	YES	7.99	0.897
LCO	AUSTRALIA	LCO60VA	ELECTRONIC	NO (Flickering)	7.28	0.768
LIGHTSTAR	AUSTRALIA	CRC60/26822	ELECTRONIC	NO (Flickering)	7.85	0.72
LIGHTSTAR	AUSTRALIA	LS60VAHW/26598	ELECTRONIC	NO	1.09	0.316
LIT	AUSTRALIA	LTR-60	ELECTRONIC	NO (Flickering)	7.29	0.715
Lucci	AUSTRALIA	TB60L 240 10-60W	ELECTRONIC	YES	8.72	0.931
LUMMAN	AUSTRALIA	constant Voltage LED Driver	ELECTRONIC	YES	8.81	0.559
LUMOS	AUSTRALIA	ET60B	ELECTRONIC	YES	8.54	0.924
LUMOS	AUSTRALIA	ET70A	ELECTRONIC	YES	8.52	0.925
LUMOS	AUSTRALIA	ET105	ELECTRONIC	YES	8.62	0.913
LUXMAN	AUSTRALIA	ETH210	ELECTRONIC	NO	0.63	0.204
LUXMAN	AUSTRALIA	ETH60.2	ELECTRONIC	YES	8.01	0.971
LUXMAN	AUSTRALIA	ETH105.3	ELECTRONIC	NO (Flickering)	7.89	0.907
LUXMAN	AUSTRALIA	ETH50.4	ELECTRONIC	YES	7.81	0.925
LUXMAN	AUSTRALIA	ETH105.2	ELECTRONIC	NO	2.07	0.562
LUXMAN	AUSTRALIA	ETH 60.202	ELECTRONIC	YES	8.18	0.976
LUXMAN	AUSTRALIA	ETH150	ELECTRONIC	NO	1.8	0.436
LUXMAN	AUSTRALIA	ETH105.4	ELECTRONIC	YES	7.45	0.909
LUXMAN	AUSTRALIA	ETH70	ELECTRONIC	YES	8.2	0.958
NELSON	AUSTRALIA	MTETRADE65	ELECTRONIC	YES	8.52	0.911
NELSON	AUSTRALIA	MICRO60	ELECTRONIC	YES	8.5	0.921
NELSON	AUSTRALIA	COUGAR60	ELECTRONIC	YES	8.48	0.915
NELSON	AUSTRALIA	MTETRADE105	ELECTRONIC	YES	8.5	0.923
NELSON	AUSTRALIA	TN50C	IRON CORE	YES	8.7	0.919
OSRAM	AUSTRALIA	ET-REDBACK 60VA/230-240	ELECTRONIC	YES	8.11	0.921
PHILIPS	AUSTRALIA	ET-E60	ELECTRONIC	YES	8.49	0.908
PINK	AUSTRALIA	PIG-PP60	ELECTRONIC	NO	0.69	0.199
Radium	AUSTRALIA	ET-RALOPOWER 60VA/230-240	ELECTRONIC	YES	7.86	0.891
SUPERLUX	AUSTRALIA	SET70R	ELECTRONIC	YES	7.95	0.742
SUPERLUX	AUSTRALIA	SVE-HQ80-CT	ELECTRONIC	YES	8.35	0.774
SUPERLUX	AUSTRALIA	SVE-T60 10W-60W	ELECTRONIC	YES	8.04	0.762
SUPERLUX	AUSTRALIA	SVE-T50	ELECTRONIC	YES	7.87	0.799
Telbix	AUSTRALIA	ultra 60	ELECTRONIC	NO (Flickering)	7.83	0.824
TRADETORCE	AUSTRALIA	TRFELT60L	ELECTRONIC	YES	8.16	0.778
TRIDONIC	AUSTRALIA	POSSUM 60VA	ELECTRONIC	YES	8.27	0.978
TRIDONIC	AUSTRALIA	VIPER 60VA	ELECTRONIC	YES	7.93	0.908
TRIDONIC ATCO	AUSTRALIA	TM50-2	IRON CORE	YES	8.6	0.902
TRIDONIC ATCO	AUSTRALIA	SPEEDY	ELECTRONIC	YES	8.3	0.908
Tulip	AUSTRALIA	tp745a	ELECTRONIC	YES	8.11	0.786
Tulip	AUSTRALIA	TP713B	ELECTRONIC	YES	7.84	0.761
UGE	AUSTRALIA	UTEK-70WA	ELECTRONIC	YES	8.4	0.915
Vibe	AUSTRALIA	VB60HW	ELECTRONIC	YES	8.91	0.856