

MAE MANUFACTURERS cc

MANUFACTURERS OF THE MAE FLAMEPROOF ALTERNATOR AND ELECTRICAL FLAMEPROOF EQUIPMENT

REG NO: CK 95/47371/23 VAT NO: 447 011 0034

Tel: +27 (11) 421 5551

Fax: +27 (11) 421 5618

E-mail: orders@maesa.co.za / admin@maesa.co.za

360° MAE LED Corn Bulb 15w

Part No: **MFFLED**



Product Features

- ❖ Beam angle: 360°.
- ❖ It is major to replace the CFL with an MAE fitting lamp base directly.
- ❖ Green, energy saving, long and reliable life of 50,000 hours.
- ❖ No RF interference, no IR/UV radiation, no mercury pollution.
- ❖ Wide colour availability in degrees Kelvin (K), 2700-6700K.
- ❖ Streamline exterior design.
- ❖ Environment friendly, energy saving (70~80%).
- ❖ Special circuit design, each LED works separately, avoiding the single broken LED influence problem.

Technical Specifications

Rated Power	15W
Input Voltage	100-277VAC / 50-60Hz
Certificate	Explolabs - M-XPL/13.0955
PF	>0.95
Power Efficiency	<88%
Beam Angle	360°
Light Source/Count	140pcs 2835 SMD LED / Epistar Chip 10*23mil
Lamp Base	MAE Quickfit
LED Luminous Efficiency	>110lm/w
Luminous Flux	1600lm ±10%
Colour Temperature Standard	Warm White: 2,700 ~ 3,500K Natural White: 4,000 ~ 5,000K Cool White: 5,500 ~ 6,700K
Colour Rendering Index (CRI)	Ra>80
LED Emitter Life	50,000 hours
Replacement	MAE Fluorescent 23W
Applications	MAE Light Enclosures
Operating Temperature	- 40 ~ 45°C
The Dimensions	Ø 62*150mm
N.W	0.18kg



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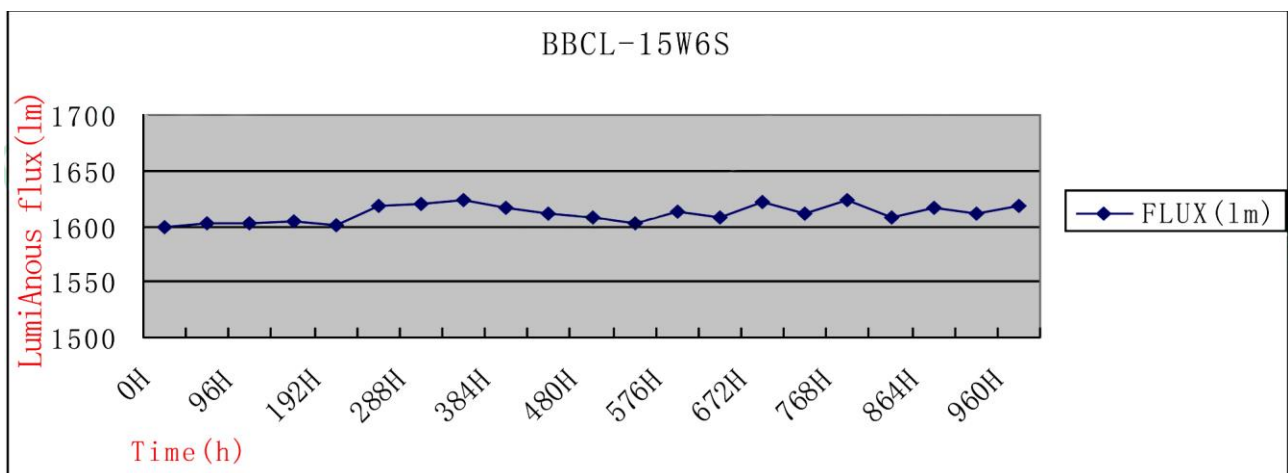
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Luminance Maintenance

TIME	TOOLS	TEMPERATURE	TEST TIME		
0H	Integrating Spheres	TA=33°C	16.1W,	1599lm,	4210K
48H		TA=34°C	15.9W,	1603lm,	4220K
96H		TA=32°C	15.9W,	1602lm,	4251K
144H		TA=33°C	15.9W,	1605lm,	4220K
192H		TA=34°C	15.8W,	1601lm,	4217K
240H		TA=34°C	15.9W,	1619lm,	4217K
288H		TA=34°C	15.9W,	1620lm,	4218K
336H		TA=33°C	16.0W,	1623lm,	4229K
384H		TA=33°C	16.0W,	1617lm,	4229K
432H		TA=33°C	15.9W,	1612lm,	4229K
480H		TA=33°C	16.0W,	1608lm,	4243K
528H		TA=34°C	15.9W,	1603lm,	4227K
576H		TA=34°C	16.0W,	1613lm,	4215K
624H		TA=33°C	15.9W,	1607lm,	4225K
672H		TA=33°C	16.1W,	1621lm,	4238K
720H		TA=34°C	16.0W,	1611lm,	4227K
768H		TA=34°C	16.1W,	1624lm,	4239K
816H		TA=35°C	15.9W,	1608lm,	4225K
864H		TA=35°C	16.0W,	1617lm,	4239K
912H		TA=34°C	16.0W,	1612lm,	4229K
960H	TA=35°C	16.1W,	1618lm,	4238K	



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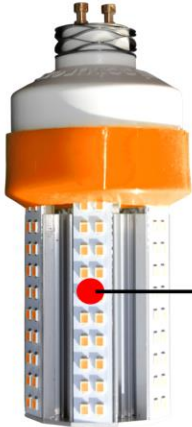
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Environment

Body Temperature



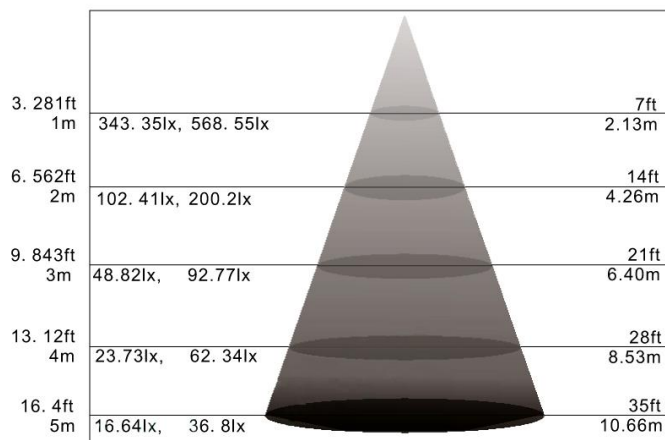
TA=25°C
Tc. Max:54°C

Working Temperature	-20 ~ 45°C
Working Humidity	<80% RH, (non-condensing)
Storage Temperature; Humidity	-40 ~ 55°C, <90% RH

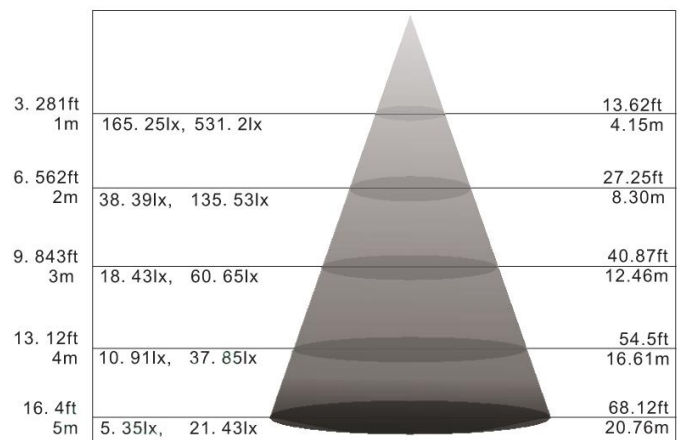
AAI Figure

With **90°** Lampshade

With **120°** Lampshade



Height Eavg, Emax Angle:92.10deg Diameter



Height Eavg, Emax Angle:124.36deg Diameter



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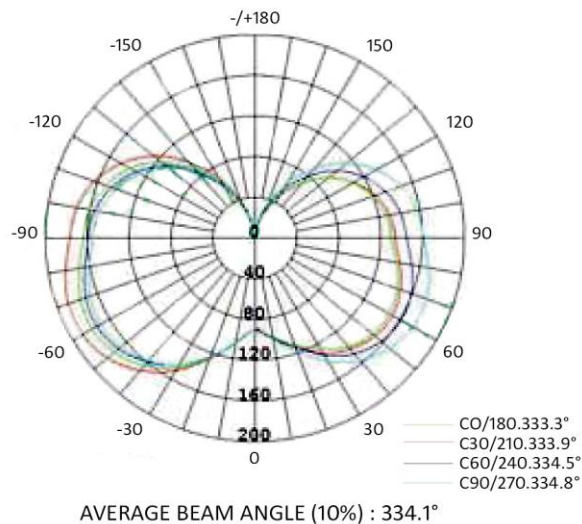
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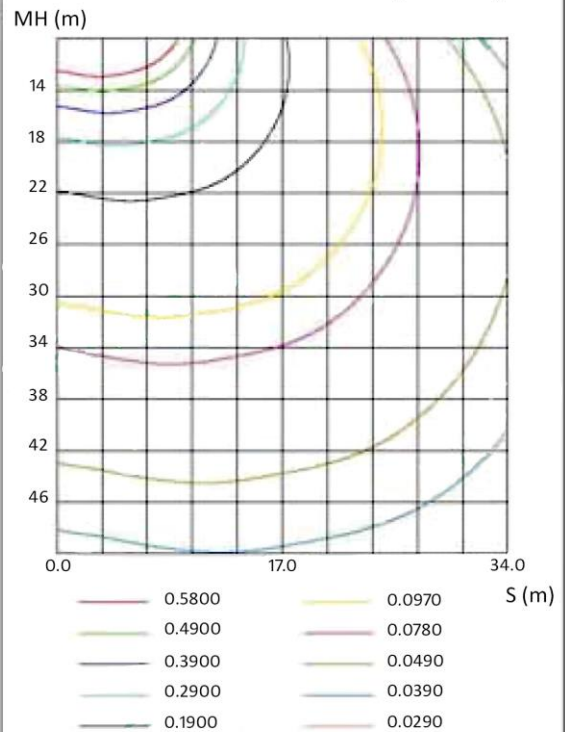
Luminaire Photometric Test Report

DATA OF LAMP		PHOTOMETRIC DATA		Eff: 108.25 lm/W	
MODEL		Imax (cd)	190.5	S/MH (CO/180)	2.21
NOMINAL POWER (W)	16	LOR (%)	100.0	S/MH (C90/270)	2.38
RATED VOLTAGE (V)	222	TOTAL FLUX (lm)	1699.5	η UP, DN (CO-180)	20.9,28.7
NOMINAL FLUX (lm)	1699.5	CIE CLASS	DIFFUSE	η UP, DN (C180-360)	21.1,29.3
LAMPS INSIDE	1	η Up (%)	42.0	CIBSE SHR NOM	2.00
TEST VOLTAGE (V)	221.4	η Down (%)	58.0	CIBSE SHR MAX	0.00

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



CO PLANE ISOLUX DIAGRAM (UNIT: 1x)



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Disclaimer

The information in this specification is derived from the latest model available at the time of issue 1.0. While every precaution has been taken to ensure the accuracy of the content, no responsibility can be accepted for any errors or omissions nor any misinterpretation or misapplication. MAE has adopted a continuous product improvement policy and therefore, specifications are subject to change without prior notice © October 2014 MAE all rights reserved.



Members: M. Lo Giudice; G. Lo Giudice;