

AR111

LED Reflector Lamps

LR212110/dm/db/ru-HRv00-2B+024D045D+GU10+927+V0240



PRODUCT FEATURES

- Simple push action on AR111 featured with Dual Beam Technology (DBT) can shape the light spot of the lamp from a narrow beam 24° to a wider beam angle 45°
- Comprehensive Professional series of LED AR111 reflectors for 75W and 100W halogen AR111 replacement with DBT technology which increases functionality and flexibility for different environments
- Offers perfect linear dimming which is compatible with most EU dimmers
- Ultra RichColour (CRI 97) maximizes the richness and quality of colours, especially red colour rendition (R9) of > 75
- Dim-to-Warm options available to perfectly simulate the characteristics of incandescent and halogen lamps in terms of the outlook, size, and lighting effect to offer lighting performance that is familiar to consumers
- Extremely long lifetime of 40,000 hours
- Colour Consistency SDCM ≤ 4

APPLICATIONS

- Art Galleries
- Exhibition Halls
- Hospitality Installations
- Restaurants
- Retail Displays



GENERAL INFORMATION

Model Number	LR212110/dm/db/ru-HRv00-2B
Product Code	LR212110/dm/db/ru-HRv00-2B+024D045D+GU10+927+V0240
Cap Base	GU10
Dimmable	100-5%
Warm Up Time 60% of Full Light	Instant
Starting Time	< 0.5 s
Working Temperature	-30°C to +40°C
Maximum Case Temperature	45°C
Housing Colour	Grey
Cover Design	Hybrid Reflector
Flammability of Plastic Component	94-HB
Series	AR111

LIFE PERFORMANCE

Lifetime (L70 B50)	40000
Number of Switching Cycles	> 100000

ELECTRICAL DATA

Input Voltage	220-240 VAC
Frequency	50/60 Hz
Power Factor	≥ 0.90
Displacement Factor	0.90
Equivalent Wattage	75 W
Power	11 W
Input Current	60 mA
Surge Protection	500
Total Harmonic Distortion	.2
Inrush Current	3.2 A
Inrush Duration	46.4 μs
Max. No. of Lamp Connection on MCB (B10)	65
Max. No. of Lamp Connection on MCB (B16)	104
Max. No. of Lamp Connection on MCB (C10)	108
Max. No. of Lamp Connection on MCB (C16)	177

PHOTOMETRICAL INFORMATION

Luminous Flux	800/870 lm
Luminous Flux in 90° Cone	720/780 lm
Luminous Efficacy	73/79 lm/W
Colour Temperature	2700 K

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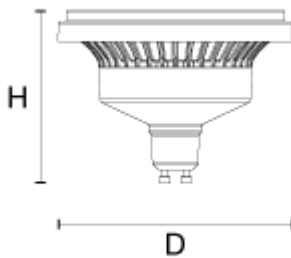
LR212110/dm/db/ru-HRv00-2B+024D045D+GU10+927+V0240

Colour Consistency	4
CRI	Ra97
Beam Angle	[DBT] 24° / 45°°
Maximum Luminous Intensity	3600[24°] / 1500[45°] cd
Flickering	≤ 3% at 100Hz
SVM	0.4
P _{ST} LM	1.0
Chromaticity Coordinates (x and y)	0.458, 0.410

CERTIFICATES & STANDARDS

Weighted Energy Consumption	11
Energy Class	G
Photobiological Safety Group	RG1
Approvals	CE, RoHS
Standards Compliance	IEC/EN 62560, IEC/EN 62493, IEC/EN 62471, ErP 2019/2020, IEC 62612, IEC CISPR15, EN 55015, IEC/EN 61547, IEC/EN 61000-3-2, IEC/EN 61000-3-3

DIMENSIONS & WEIGHT



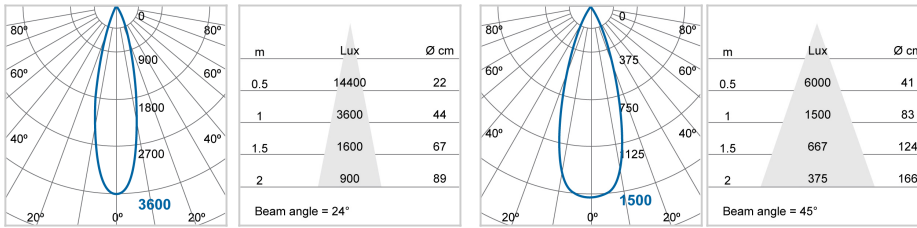
Width (W)	111 mm
Height (H)	82 mm
Diameter (D)	111 mm
Weight	205 g

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PHOTOMETRIC DIAGRAM



LOGISTIC INFORMATION

MM Code	Packaging Unit	Outer Box Dimensions			Gross Weight per Outer Box
		L mm	W mm	H mm	
709934/MM09934	1 pcs/unit	125	125	88	0.29 kg
	24	544	403	212	7.9 kg