



Brighten your outlook

Long Life MR-16

Philips Halogen Long Life MR16 lamps make it easy to optimize the look and feel of your brand, your merchandise, and the shoppers experience, with lower operating costs.

Benefits

- Maximum efficiency for reduced energy consumption.
- Consistent coating quality lamp-to-lamp and throughout lifetime.
- Extended lifetime for reduced maintenance.

Features

- Optimized Coil, Burner and Reflector Design- Has maximum efficiency for reduced energy consumption and provides bright, white light and superior beam quality.
- Up To 20 Layers of Dichroic Coating-Consistent coating quality lamp to lamp and throughout lifetime.
- UV Block-Reduces color fading.
- Provides 6000 hours rated average life†, constant color and extra protection with UV Block and front glass.††
- Universal Burning Position.
- Available in 20, 35, and 50 watts Spot, Flood and Narrow Flood, 75 watt is only available in Spot and Flood.
- † Rated average life is the length of operation (in hours) at which point an average of 50% of the lamps will still be operational and 50% will not. †† Front glass not featured on 75W Halogen MR16 Long Life lamps.

Application

- Ideal for retail stores, hotels, restaurants, museums and art gallery lighting.

Long Life MR-16

Versions

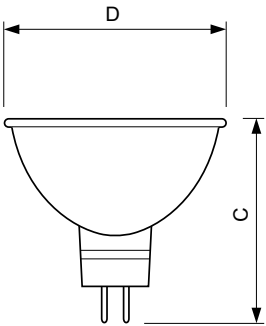


GU5.3, MR16, 36°



GU5.3, MR16, 24°

Dimensional drawing



Product	D (max)	C (max)
Long Life EXN 50W GU5.3 12V MR16 36D CL 1CT/10X5F	51 mm	46 mm
Long Life EXZ 50W GU5.3 12V MR16 24D CL 1CT/10X5F	51 mm	46 mm
Long Life FMW 35W GU5.3 12V MR16 36D CL 1CT/10X5F	51 mm	46 mm
Long Life FRA 35W GU5.3 12V MR16 24D CL 1CT/10X5F	51 mm	46 mm
Long Life BAB 20W GU5.3 12V MR16 36D CL 1CT/10X5F	51 mm	46 mm

Long Life MR-16

Approval and Application

Energy Efficiency Label (EEL)	B
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Controls and Dimming

Dimmable	Yes
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Operating and Electrical

Voltage (Nom)	12 V
Starting Time (Nom)	0.0 s
Warm Up Time To 60% Light (Nom)	instant full light

General Information

Cap-Base	GU5.3
Nominal Lifetime (Nom)	4000 h
Operating Position	UNIVERSAL
Rated Lifetime (Hours)	4000 h
Switching Cycle	16000X

Luminaire Design Requirements

Bulb Temperature (Max)	250 °C
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Light Technical

Correlated Color Temperature (Nom)	3000 K
Color Rendering Index (Nom)	100
Llmf At End Of Nominal Lifetime (Min)	80 %

Mechanical and Housing

Bulb Finish	Clear
Bulb Shape	MR16

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
924050217130	Long Life BAB 20W GU5.3 12V MR16 36D CL 1CT/10X5F	21 kWh
924050617130	Long Life FMW 35W GU5.3 12V MR16 36D CL 1CT/10X5F	37 kWh
924051017130	Long Life EXN 50W GU5.3 12V MR16 36D CL 1CT/10X5F	53 kWh
924050517130	Long Life FRA 35W GU5.3 12V MR16 24D CL 1CT/10X5F	37 kWh
924050917130	Long Life EXZ 50W GU5.3 12V MR16 24D CL 1CT/10X5F	53 kWh

Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
924050217130	Long Life BAB 20W GU5.3 12V MR16 36D CL 1CT/10X5F	1.7 A	20.0 W
924050617130	Long Life FMW 35W GU5.3 12V MR16 36D CL 1CT/10X5F	2.92 A	35.0 W
924051017130	Long Life EXN 50W GU5.3 12V MR16 36D CL 1CT/10X5F	4.2 A	50.0 W

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
924050517130	Long Life FRA 35W GU5.3 12V MR16 24D CL 1CT/10X5F	2.92 A	35.0 W
924050917130	Long Life EXZ 50W GU5.3 12V MR16 24D CL 1CT/10X5F	4.2 A	50.0 W

General Information

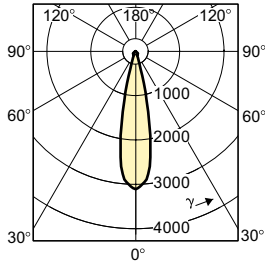
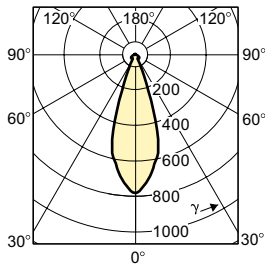
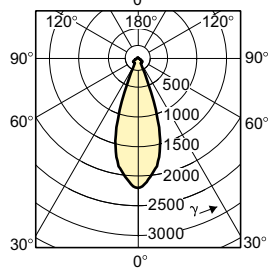
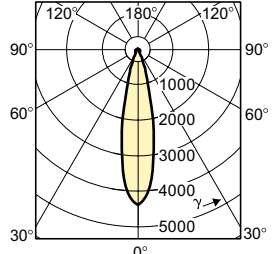
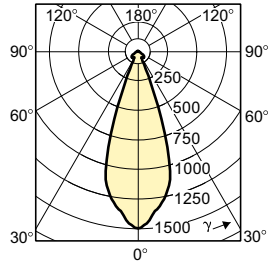
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924050617130	Long Life FMW 35W GU5.3 12V MR16 36D CL 1CT/10X5F	14616
924051017130	Long Life EXN 50W GU5.3 12V MR16 36D CL 1CT/10X5F	14620

Order Code	Full Product Name	Philips Code
924050517130	Long Life FRA 35W GU5.3 12V MR16 24D CL 1CT/10X5F	14615
924050917130	Long Life EXZ 50W GU5.3 12V MR16 24D CL 1CT/10X5F	14619

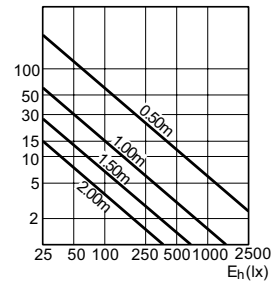
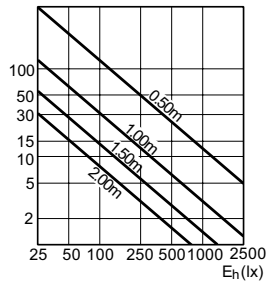
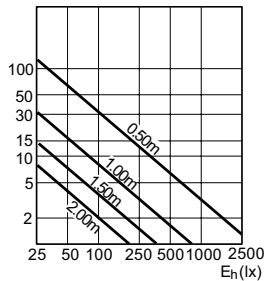
Light Technical

Long Life MR-16

Order Code	Full Product Name	Beam Angle (Nom)	Luminous Flux (Rated) (Nom)	Luminous Intensity (Max)	Rated Beam Angle
924050217130	Long Life BAB 20W GU5.3 12V MR16 36D CL 1CT/10X5F	36 °	236 lm	665 cd	36 °
924050617130	Long Life FMW 35W GU5.3 12V MR16 36D CL 1CT/10X5F	36 °	500 lm	1400 cd	36 °
924051017130	Long Life EXN 50W GU5.3 12V MR16 36D CL 1CT/10X5F	36 °	775 lm	2050 cd	36 °
924050517130	Long Life FRA 35W GU5.3 12V MR16 24D CL 1CT/10X5F	24 °	500 lm	2640 cd	24 °
924050917130	Long Life EXZ 50W GU5.3 12V MR16 24D CL 1CT/10X5F	24 °	775 lm	3700 cd	24 °

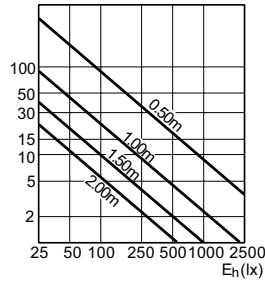
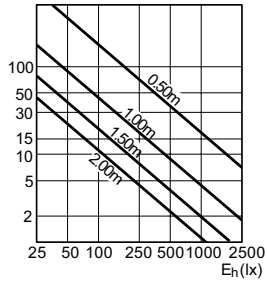


Accent Diagrams

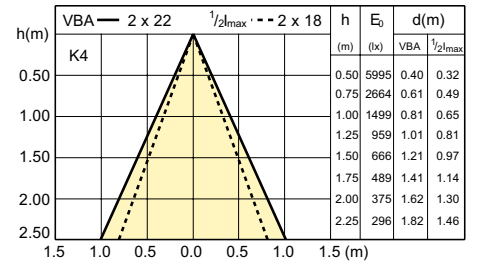
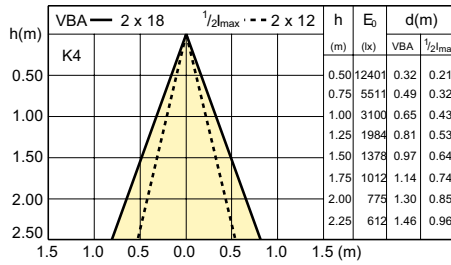
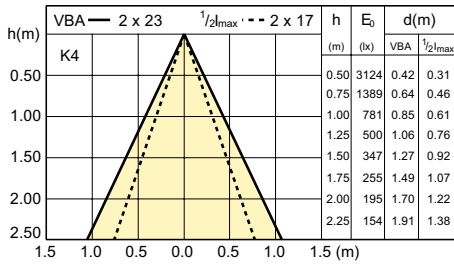


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Accent Diagrams



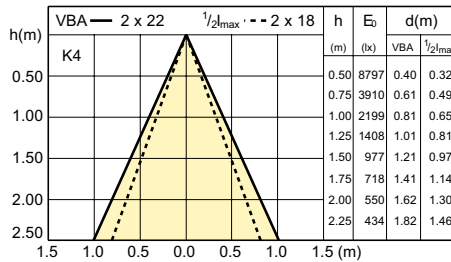
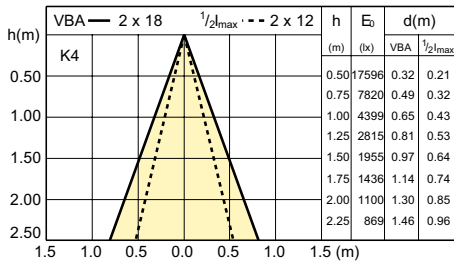
Beam Diagrams



LDBE_HDICHRO_20W_36D-Beam diagram

LDBE_HDICHRO_35W_24D-Beam diagram

LDBE_HDICHRO_35W_36D-Beam diagram



LDBE_HDICHRO_50W_24D-Beam diagram

LDBE_HDICHRO_50W_36D-Beam diagram

