



Spot of bright, white light

Brilliantline Dichroic

Superior-quality low-voltage halogen burner in glass reflector. Ideal solution for small decorative luminaires, putting your objects in the spotlight. Dichroic coating prevents heat transmission onto the object.

Benefits

- Bright, sparkling halogen light to put your objects in the spotlight
- Fully dimmable, from 0 to 100%, to meet different brightness requirements
- Lower replacement costs due to longer burning hours

Features

- Superior quality of light with excellent color rendering (Ra=100)
- Low-pressure technology with UV-block glass allows use in luminaires without front glass
- Dichroic coating
- Universal burning position
- Instant start

Application

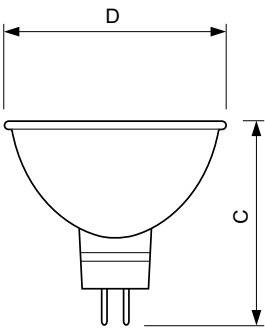
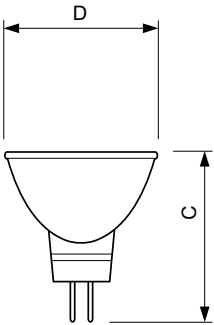
- Spot accent lighting to create the right ambiance in hotels, restaurants and shops

Brilliantline Dichroic

Versions



Dimensional drawing



Product	D (max)	C (max)
Brilliantline Dichroic EC 35W GU4 12V 30D 1CT/10X5F	35 mm	40 mm

Product	D (max)	C (max)
Brilliantline Dichroic 50W GU5.3 12V 60D 1CT/10X5F	51 mm	46 mm

Brilliantline Dichroic

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
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Starting Time (Nom)	0.0 s
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General Information

Nominal Lifetime (Nom)	4000 h
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Operating Position	UNIVERSAL
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Rated Lifetime (Hours)	4000 h
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Switching Cycle	16000X
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Light Technical

Correlated Colour Temperature (Nom)	3000 K
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Colour Rendering Index (Nom)	100
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Llmf At End Of Nominal Lifetime (Min)	80 %
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Mechanical and Housing

Bulb Finish	Clear (CL)
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Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
42519560	Brilliantline Dichroic 50W GU5.3 12V MR16 60D 1CT/10X5F	53 kWh
59139700	Brilliantline Dichroic EC 35W GU4 12V 30D 1CT/10X5F	37 kWh

Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)	Warm Up Time To 60% Light (Nom)
42519560	Brilliantline Dichroic 50W GU5.3 12V MR16 60D 1CT/10X5F	4.2 A	50.0 W	instant full light

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)	Warm Up Time To 60% Light (Nom)
59139700	Brilliantline Dichroic EC 35W GU4 12V 30D 1CT/10X5F	2.9 A	35 W	instant full light s

General Information

Order Code	Full Product Name	Cap-Base	Philips Code
42519560	Brilliantline Dichroic 50W GU5.3 12V MR16 60D 1CT/10X5F	GU5.3	14621

Order Code	Full Product Name	Cap-Base	Philips Code
59139700	Brilliantline Dichroic EC 35W GU4 12V 30D 1CT/10X5F	GU4	-

Luminaire Design Requirements

Order Code	Full Product Name	Bulb Temperature (Max)
42519560	Brilliantline Dichroic 50W GU5.3 12V MR16 60D 1CT/10X5F	250 °C

Order Code	Full Product Name	Bulb Temperature (Max)
59139700	Brilliantline Dichroic EC 35W GU4 12V 30D 1CT/10X5F	220 °C

Light Technical

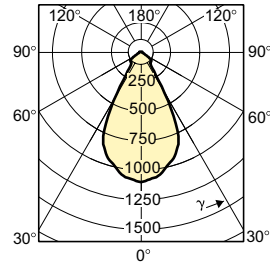
Order Code	Full Product Name	Beam Angle (Nom)	Luminous Flux (Rated) (Nom)	Luminous Intensity (Max)	Rated Beam Angle
42519560	Brilliantline Dichroic 50W GU5.3 12V MR16 60D 1CT/10X5F	60 °	775 lm	1065 cd	60 °

Brilliantline Dichroic

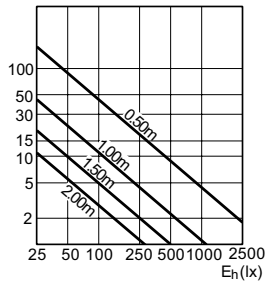
Order Code	Full Product Name	Beam Angle (Nom)	Luminous Flux (Rated) (Nom)	Luminous Intensity (Max)	Rated Beam Angle
59139700	Brilliantline Dichroic EC 35W GU4 12V 30D 1CT/10X5F	30 °	430 lm	1000 cd	30 °

Mechanical and Housing

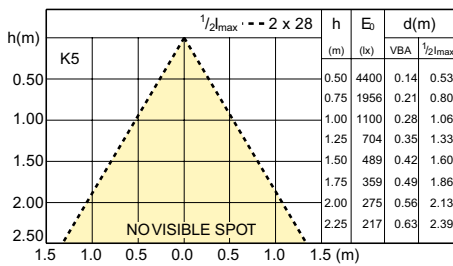
Order Code	Full Product Name	Bulb Shape
42519560	Brilliantline Dichroic 50W GU5.3 12V MR16 60D 1CT/10X5F	MR16
59139700	Brilliantline Dichroic EC 35W GU4 12V 30D 1CT/10X5F	MR11



Accent Diagrams



Beam Diagrams



LDBE_HDICHRO_50W_60D-Beam diagram

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