



Brighten your outlook

MR16

Philips Halogen MR16 lamps provide a bright white light for accent lighting. They make it easy to optimize the look and feel of your brand, your merchandise, and the shoppers experience, with lower operating costs.

Benefits

- Excellent beam quality for accent or ambient lighting.
- Maximum efficiency for reduced energy consumption.

Features

- Optimized Coil, Burner and Reflector Design.
- White, Bright Light with excellent beam quality.
- UV Block -Reduces color fading.
- GU5.3 base.
- 3000 Hour Rated Average Life*
- Variety of Wattages and Beam Spreads.
- Universal Burning Position.
- Available in 20, 35, and 50 watts Spot and Flood, 50 watt also available in Narrow 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.

Application

- Ideal for accent lighting in specialty and department stores, as well as museums and art galleries.

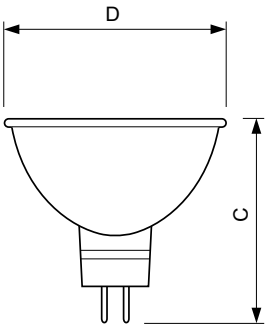
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Versions



GU5.3, MR16, Open

Dimensional drawing



Product	D (max)	C (max)
20MR16/FL36 BAB 50PK	51 mm	46 mm
50MR16/FL36 EXN 50PK	51 mm	46 mm
35MR16/FL36 50PK	51 mm	46 mm
BC20MRC16/FL36 6/3	50.7 mm	46 mm
BC50MRC16/SP10 EXT 12/1 TP	51 mm	46 mm
BC-50MRC16/FL 6/3 TP	51 mm	46 mm

Controls and Dimming

Dimmable	Yes
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Operating and Electrical

Voltage (Nom)	12 V
Starting Time (Nom)	0.0 s

General Information

Cap-Base	GU5.3
Operating Position	Universal

Light Technical

Correlated Color Temperature (Nom)	3000 K
Color Rendering Index (Nom)	100

Mechanical and Housing

Bulb Shape	MR16
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Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Energy Efficiency Label (EEL)
378034	20MR16/FL36 BAB 50PK	-	Not applicable
378059	50MR16/FL36 EXN 50PK	-	Not applicable
140566	35MR16/FL36 50PK	-	Not applicable
415687	BC20MRC16/FL36 3PK	21 kWh	B
415638	BC50MRC16/SP10 EXT 12/1 TP	-	Not applicable
415802	BC50MRC16/FL36 EXN 3PK	53 kWh	B

Operating and Electrical

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Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)	Warm Up Time To 60% Light (Nom)
378034	20MR16/FL36 BAB 50PK	1.67 A	20.0 W	-
378059	50MR16/FL36 EXN 50PK	4.17 A	50.0 W	-
140566	35MR16/FL36 50PK	3 A	35.0 W	-
415687	BC20MRC16/FL36 3PK	1.67 A	20.0 W	instant full light

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)	Warm Up Time To 60% Light (Nom)
415638	BC50MRC16/SP10 EXT 12/1 TP	4.17 A	50 W	-
415802	BC50MRC16/FL36 EXN 3PK	4.17 A	50 W	-

General Information

Light Technical (2/2)		Nominal	Philips	Rated	Switching
Order Code	Full Product Name	Lifetime (Nom)	Code	Lifetime (Hours)	Cycle
378034	20MR16/FL36 BAB 50PK	3000 h	14592	3000 h	-
378059	50MR16/FL36 EXN 50PK	3000 h	14594	3000 h	-
140566	35MR16/FL36 50PK	3000 h	14598	3000 h	-
415687	BC20MRC16/FL36 3PK	3000 h	14596	3000 h	12000X

Order Code	Full Product Name	Nominal Lifetime (Nom)	Philips Code	Rated Lifetime (Hours)	Switching Cycle
415638	BC50MRC16/SP10 EXT 12/1 TP	3000 h	-	3000 h	-
415802	BC50MRC16/FL36 EXN 3PK	2000 h	14600	2000 h	8000X

Luminaire Design Requirements

Order Code	Full Product Name	Bulb Temperature (Max)
378034	20MR16/FL36 BAB 50PK	250 °C
378059	50MR16/FL36 EXN 50PK	250 °C
140566	35MR16/FL36 50PK	250 °C

Order Code	Full Product Name	Bulb Temperature (Max)
415687	BC20MRC16/FL36 3PK	-
415638	BC50MRC16/SP10 EXT 12/1 TP	-
415802	BC50MRC16/FL36 EXN 3PK	-

Light Technical (1/2)

Order Code	Full Product Name	Beam Angle (Nom)	Llmf At End		
			Of Nominal Lifetime (Min)	Luminous Flux (Rated) (Nom)	Luminous Intensity (Max)
378034	20MR16/FL36 BAB 50PK	36 °	-	-	550 cd
378059	50MR16/FL36 EXN 50PK	36 °	-	-	1600 cd
140566	35MR16/FL36 50PK	36 °	-	-	1000 cd

Order Code	Full Product Name	Beam Angle (Nom)	Llmf At End		
			Of Nominal Lifetime (Min)	Luminous Flux (Rated) (Nom)	Luminous Intensity (Max)
415687	BC20MRC16/FL36 3PK	36 °	80 %	205 lm	500 cd
415638	BC50MRC16/SP10 EXT 12/1 TP	10 °	-	-	6200 cd

