



# Energy efficient low-voltage halogen reflector lamps

## Energy Advantage IR MR16

Philips Energy Advantage IRC MR16 lamps make it easy to optimize the look and feel of your merchandise, and the shoppers experience, with lower operating costs.

### Features

- High performance IR coating on a single ended burner.
- Optimizes lumen output up to 24 lumens per watt, giving you up to 67% longer life and up to 43% in energy savings compared to a standard halogen MR16 lamp.
- Aluminum coating eliminates back-light on 20W, 30W and 35W lamps.
- No back-light eliminates sparkle from open-back fixtures.
- Protects the fixture by directing heat out the front.
- UV block- Reduces color fading.
- Flat lens- Easily fits into enclosed fixtures.
- Available in 20, 30, 35, and 45 watts Spot, Narrow Spot, Flood, and Wide Flood.

### Application

- Ideal for accent lighting in retail stores, hotels, restaurants, museums and art galleries.

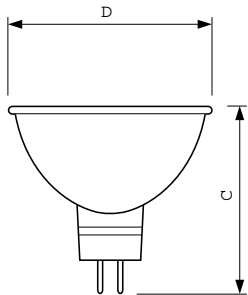
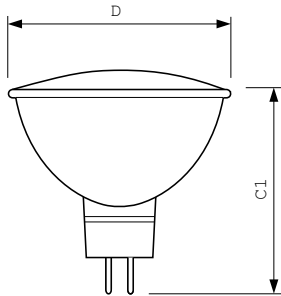
# Energy Advantage IR MR16

## Versions



GU5.3, MR16

## Dimensional drawing



Product	D (max)	C1 (max)
EnAdvIR Alu 35W 12V MR16 36D 1CT/4XF5	51 mm	50.5 mm
EnAdvIR Alu 35W 12V MR16 24D 1CT/4XF5	51 mm	50.5 mm
EnAdvIR Alu 35W 12V MR16 8D 1CT/4XF5	51 mm	50.5 mm
EnAdvIR Alu 20W 12V MR16 36D 1CT/4XF5	51 mm	50.5 mm

Product	D (max)	C1 (max)
EnAdvIR Alu 35W 12V MR16 36D 1CT/4XF5	51 mm	50.5 mm
EnAdvIR Alu 35W 12V MR16 24D 1CT/4XF5	51 mm	50.5 mm
EnAdvIR Alu 35W 12V MR16 8D 1CT/4XF5	51 mm	50.5 mm
EnAdvIR Alu 20W 12V MR16 36D 1CT/4XF5	51 mm	50.5 mm

## Product details



LPPR1 HMLES 0001

# Energy Advantage IR MR16

## Operating and Electrical

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

## General Information

Cap-Base	GU5.3
Operating Position	UNIVERSAL

## Mechanical and Housing

Bulb Shape	MR16
------------	------

## Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
925633017104	EnAdvIR Alu 20W 12V MR16 36D 1CT/4XF5	-	20 W
925633417104	EnAdvIR Alu 35W 12V MR16 8D 1CT/4XF5	2.92 A	35 W

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
925633617104	EnAdvIR Alu 35W 12V MR16 24D 1CT/4XF5	-	35 W
925633717104	EnAdvIR Alu 35W 12V MR16 36D 1CT/4XF5	2.92 A	35 W

## General Information

Order Code	Full Product Name	Rated Lifetime (Hours)
925633017104	EnAdvIR Alu 20W 12V MR16 36D 1CT/4XF5	-
925633417104	EnAdvIR Alu 35W 12V MR16 8D 1CT/4XF5	5000 h

Order Code	Full Product Name	Rated Lifetime (Hours)
925633617104	EnAdvIR Alu 35W 12V MR16 24D 1CT/4XF5	-
925633717104	EnAdvIR Alu 35W 12V MR16 36D 1CT/4XF5	5000 h

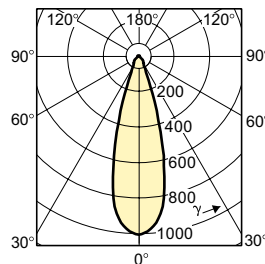
## Light Technical

Order Code	Full Product Name	Beam Angle (Nom)	Correlated Color	Color Rendering Index (Nom)	Luminous Intensity (Max)
			Temperature (Nom)	(Nom)	(Max)
925633017104	EnAdvIR Alu 20W 12V MR16 36D 1CT/4XF5	36 °	-	-	-
925633417104	EnAdvIR Alu 35W 12V MR16 8D 1CT/4XF5	8 °	3000 K	100	13500 cd

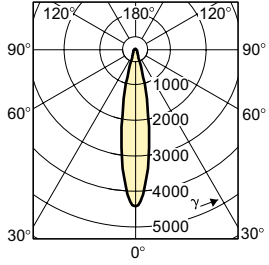
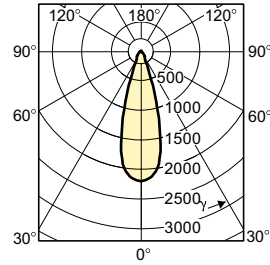
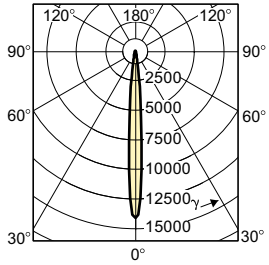
Order Code	Full Product Name	Beam Angle (Nom)	Correlated Color	Color Rendering Index (Nom)	Luminous Intensity (Max)
			Temperature (Nom)	(Nom)	(Max)
925633617104	EnAdvIR Alu 35W 12V MR16 24D 1CT/4XF5	24 °	3000 K	-	-
925633717104	EnAdvIR Alu 35W 12V MR16 36D 1CT/4XF5	36 °	3000 K	100	2200 cd

## Luminaire Design Requirements

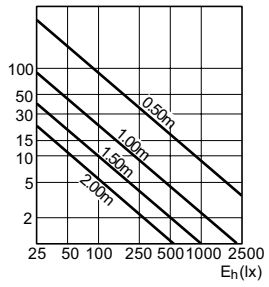
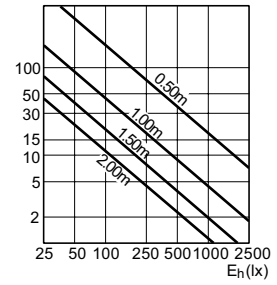
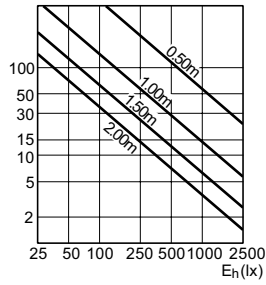
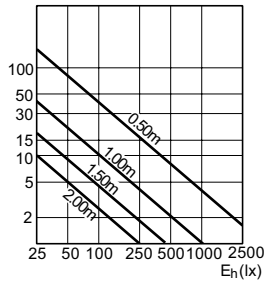
Order Code	Full Product Name	Bulb Temperature (Max)
925633017104	EnAdvIR Alu 20W 12V MR16 36D 1CT/4XF5	-
925633417104	EnAdvIR Alu 35W 12V MR16 8D 1CT/4XF5	250 °C
925633617104	EnAdvIR Alu 35W 12V MR16 24D 1CT/4XF5	-
925633717104	EnAdvIR Alu 35W 12V MR16 36D 1CT/4XF5	250 °C



# Energy Advantage IR MR16

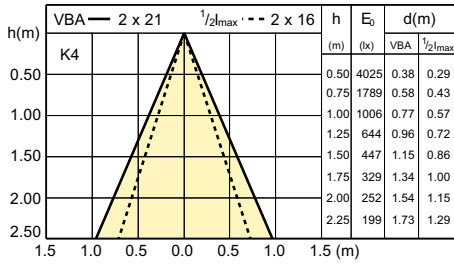


## Accent Diagrams

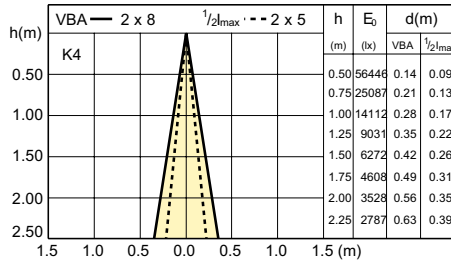


# Energy Advantage IR MR16

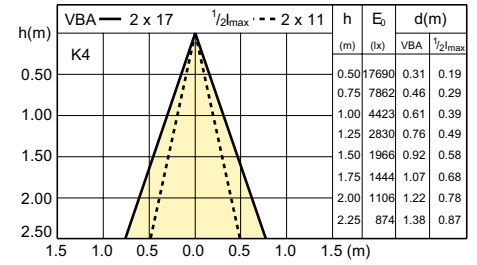
## Beam Diagrams



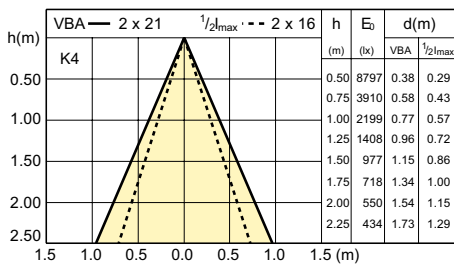
LDBE\_HMLES\_20W\_36D-Beam diagram



LDBE\_HMLES\_35W\_8D-Beam diagram



LDBE\_HMLES\_35W\_24D-Beam diagram



LDBE\_HMLES\_35W\_36D-Beam diagram

