



# Trusted quality for best performance

## Essential LV MR16

The Essential LV MR16 is part of the Philips "Value for Money" ranges. It is a good choice for professional end-users looking for high-quality accent light to create contrast in shops, hotels and restaurants.

### Benefits

- Accent light to create the perfect focus on the objects to be lit
- Cool beam to minimize the effects of halogen light on sensitive objects
- Best dimmability to meet different brightness requirements

### Features

- Bright sparkling light to create ambient atmosphere.
- Excellent color rendering (Ra=100) to present the true color of objects.
- Instant start to offer direct brightness from the moment switch on.
- No mercury to ensure the safety usage.
- Reliable quality to be trusted.

### Application

- Shops, hotels and restaurants

# Essential LV MR16

## Versions

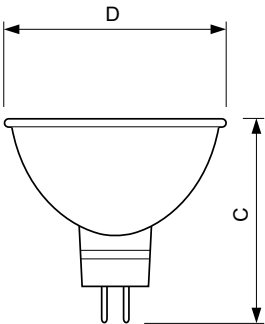


GU5.3, MR16, Open



GU5.3, MR16, Closed

## Dimensional drawing



Product	D (max)	C (max)
ESSPlus MR16 35W GU5.3 12V 60D 6CT/5	50.7 mm	46 mm
ESSPlus MR16 50W GU5.3 12V 36D 1CT/10x5F		
Ess MR16 20W GU5.3 12V 36D 1CT/10X5F	51 mm	46 mm
Ess MR16 50W GU5.3 12V 60D 1CT/10X5F		
Ess MR16 50W GU5.3 12V 36D ON 1CT/10X5F	50.7 mm	46 mm
ESSPlus MR16 35W GU5.3 12V 60D 2CT/10	50.7 mm	46 mm
Ess MR16 20W GU5.3 12V 1CT/5X10F	50.7 mm	46 mm
Ess MR16 20W GU5.3 12V 36D ON 1CT/10X5F	50.7 mm	46 mm
Ess MR16 20W GU5.3 12V 36D ON 1CT/10X5F	50.7 mm	46 mm
ESSPlus MR16 35W GU5.3 12V 36D 1CT/10x5F	50.7 mm	46 mm
Ess MR16 35W GU5.3 12V 36D 1CT/10X5F	51 mm	46 mm
Ess MR16 35W GU5.3 12V 36D 1CT/10X5F	51 mm	46 mm
Ess MR16 50W GU5.3 12V 36D 1CT/10X5F	51 mm	46 mm
Ess MR16 50W GU5.3 12V 36D CD 1CT/10X5F	51 mm	46 mm
Hal-Dich 2y 50W GU5.3 12V 36D 1CT/10X5F	51 mm	46 mm
ESSPlus MR16 50W GU5.3 12V 36D 2CT/6		
ESSPlus MR16 35W GU5.3 12V 60D 1CT/10x5F	50.7 mm	46 mm

### Operating and Electrical

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

### General Information

Cap-Base	GU5.3
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### Mechanical and Housing

Bulb Shape	MR16
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## Approval and Application

## Essential LV MR16

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Energy Efficiency Label (EEL)
924045317160	Ess MR16 20W GU5.3 12V 36D ON 1CT/10X5F	-	Not applicable
924045317186	Ess MR16 20W GU5.3 12V 36D ON 1CT/10X5F	-	Not applicable
924045517186	Ess MR16 50W GU5.3 12V 36D ON 1CT/10X5F	-	Not applicable
924049517186	Ess MR16 20W GU5.3 12V 36D 1CT/10X5F	-	B
924049617186	Ess MR16 35W GU5.3 12V 36D 1CT/10X5F	-	B
924049617197	Ess MR16 35W GU5.3 12V 36D 1CT/10X5F	-	B
924049717129	Hal-Dich 2y 50W GU5.3 12V 36D 1CT/10X5F	53 kWh	B
924049717182	Ess MR16 50W GU5.3 12V 36D CD 1CT/10X5F	53 kWh	B
925696817102	ESSPlus MR16 50W GU5.3 12V 36D 2CT/6	-	Not applicable

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Energy Efficiency Label (EEL)
925696817104	ESSPlus MR16 50W GU5.3 12V 36D 1CT/10x5F	-	Not applicable
925696917104	Ess MR16 50W GU5.3 12V 60D 1CT/10X5F	-	Not applicable
925702017101	Ess MR16 20W GU5.3 12V 1CT/5X10F	-	Not applicable
925711817102	ESSPlus MR16 35W GU5.3 12V 36D 1CT/10x5F	-	Not applicable
925711917101	ESSPlus MR16 35W GU5.3 12V 60D 2CT/10	-	Not applicable
925711917102	ESSPlus MR16 35W GU5.3 12V 60D 1CT/10x5F	-	Not applicable
925711917104	ESSPlus MR16 35W GU5.3 12V 60D 6CT/5	-	Not applicable
926000850012	Ess MR16 50W GU5.3 12V 36D 1CT/10X5F	53 kWh	B

### Controls and Dimming

Order Code	Full Product Name	Dimmable
924045317160	Ess MR16 20W GU5.3 12V 36D ON 1CT/10X5F	Yes
924045317186	Ess MR16 20W GU5.3 12V 36D ON 1CT/10X5F	Yes
924045517186	Ess MR16 50W GU5.3 12V 36D ON 1CT/10X5F	Yes
924049517186	Ess MR16 20W GU5.3 12V 36D 1CT/10X5F	Yes
924049617186	Ess MR16 35W GU5.3 12V 36D 1CT/10X5F	Yes
924049617197	Ess MR16 35W GU5.3 12V 36D 1CT/10X5F	Yes
924049717129	Hal-Dich 2y 50W GU5.3 12V 36D 1CT/10X5F	Yes
924049717182	Ess MR16 50W GU5.3 12V 36D CD 1CT/10X5F	Yes
925696817102	ESSPlus MR16 50W GU5.3 12V 36D 2CT/6	Yes

Order Code	Full Product Name	Dimmable
925696817104	ESSPlus MR16 50W GU5.3 12V 36D 1CT/10x5F	Yes
925696917104	Ess MR16 50W GU5.3 12V 60D 1CT/10X5F	-
925702017101	Ess MR16 20W GU5.3 12V 1CT/5X10F	-
925711817102	ESSPlus MR16 35W GU5.3 12V 36D 1CT/10x5F	Yes
925711917101	ESSPlus MR16 35W GU5.3 12V 60D 2CT/10	Yes
925711917102	ESSPlus MR16 35W GU5.3 12V 60D 1CT/10x5F	Yes
925711917104	ESSPlus MR16 35W GU5.3 12V 60D 6CT/5	Yes
926000850012	Ess MR16 50W GU5.3 12V 36D 1CT/10X5F	Yes

### Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated)
924045317160	Ess MR16 20W GU5.3 12V 36D ON 1CT/10X5F	1.67 A	20 W
924045317186	Ess MR16 20W GU5.3 12V 36D ON 1CT/10X5F	1.67 A	20 W
924045517186	Ess MR16 50W GU5.3 12V 36D ON 1CT/10X5F	4.17 A	50 W
924049517186	Ess MR16 20W GU5.3 12V 36D 1CT/10X5F	1.67 A	20 W
924049617186	Ess MR16 35W GU5.3 12V 36D 1CT/10X5F	2.92 A	35 W
924049617197	Ess MR16 35W GU5.3 12V 36D 1CT/10X5F	2.92 A	35 W

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated)
924049717129	Hal-Dich 2y 50W GU5.3 12V 36D 1CT/10X5F	4.17 A	50 W
924049717182	Ess MR16 50W GU5.3 12V 36D CD 1CT/10X5F	4.17 A	50 W
925696817102	ESSPlus MR16 50W GU5.3 12V 36D 2CT/6	4.17 A	50 W
925696817104	ESSPlus MR16 50W GU5.3 12V 36D 1CT/10x5F	4.17 A	50 W
925696917104	Ess MR16 50W GU5.3 12V 60D 1CT/10X5F	-	50 W
925702017101	Ess MR16 20W GU5.3 12V 1CT/5X10F	-	20 W
925711817102	ESSPlus MR16 35W GU5.3 12V 36D 1CT/10x5F	-	35 W

## Essential LV MR16

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)	Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
925711917101	ESSPlus MR16 35W GU5.3 12V 60D 2CT/10	-	35 W	925711917104	ESSPlus MR16 35W GU5.3 12V 60D 6CT/5	-	35 W
925711917102	ESSPlus MR16 35W GU5.3 12V 60D 1CT/10x5F	-	35 W	926000850012	Ess MR16 50W GU5.3 12V 36D 1CT/10X5F	4.17 A	50 W

### General Information

Order Code	Full Product Name	Nominal Lifetime (Nom)	Operating Position	Philips Code	Rated Lifetime (Hours)	Switching Cycle
924045317160	Ess MR16 20W GU5.3 12V 36D ON 1CT/10X5F	2000 h	UNIVERSAL	-	2000 h	-
924045317186	Ess MR16 20W GU5.3 12V 36D ON 1CT/10X5F	2000 h	UNIVERSAL	-	2000 h	-
924045517186	Ess MR16 50W GU5.3 12V 36D ON 1CT/10X5F	2000 h	UNIVERSAL	-	2000 h	-
924049517186	Ess MR16 20W GU5.3 12V 36D 1CT/10X5F	2000 h	UNIVERSAL	14596	2000 h	8000X
924049617186	Ess MR16 35W GU5.3 12V 36D 1CT/10X5F	2000 h	UNIVERSAL	14598	2000 h	8000X
924049617197	Ess MR16 35W GU5.3 12V 36D 1CT/10X5F	2000 h	UNIVERSAL	14598	2000 h	8000X
924049717129	Hal-Dich 2y 50W GU5.3 12V 36D 1CT/10X5F	2000 h	UNIVERSAL	14600	2000 h	8000X
924049717182	Ess MR16 50W GU5.3 12V 36D CD 1CT/10X5F	2000 h	UNIVERSAL	14600	2000 h	8000X
925696817102	ESSPlus MR16 50W GU5.3 12V 36D 2CT/6	-	-	NA	-	-
925696817104	ESSPlus MR16 50W GU5.3 12V 36D 1CT/10x5F	-	-	NA	-	-
925696917104	Ess MR16 50W GU5.3 12V 60D 1CT/10X5F	-	-	NA	-	-
925702017101	Ess MR16 20W GU5.3 12V 1CT/5X10F	3000 h	-	NA	3000 h	-
925711817102	ESSPlus MR16 35W GU5.3 12V 36D 1CT/10x5F	3000 h	UNIVERSAL	NA	3000 h	-
925711917101	ESSPlus MR16 35W GU5.3 12V 60D 2CT/10	3000 h	UNIVERSAL	NA	3000 h	-
925711917102	ESSPlus MR16 35W GU5.3 12V 60D 1CT/10x5F	3000 h	UNIVERSAL	NA	3000 h	-
925711917104	ESSPlus MR16 35W GU5.3 12V 60D 6CT/5	3000 h	UNIVERSAL	NA	3000 h	-
926000850012	Ess MR16 50W GU5.3 12V 36D 1CT/10X5F	2000 h	UNIVERSAL	14600	2000 h	8000X

### Light Technical

Order Code	Full Product Name	Beam Angle (Nom)	Correlated Color Temperature (Nom)	Color Rendering Index (Nom)	Luminous Intensity (Max)	Rated Beam Angle
924045317160	Ess MR16 20W GU5.3 12V 36D ON 1CT/10X5F	36 °	3000 K	100	400 cd	-
924045317186	Ess MR16 20W GU5.3 12V 36D ON 1CT/10X5F	36 °	3000 K	100	400 cd	-
924045517186	Ess MR16 50W GU5.3 12V 36D ON 1CT/10X5F	36 °	3000 K	100	1200 cd	-
924049517186	Ess MR16 20W GU5.3 12V 36D 1CT/10X5F	36 °	3000 K	100	400 cd	36 °
924049617186	Ess MR16 35W GU5.3 12V 36D 1CT/10X5F	36 °	3000 K	100	800 cd	36 °
924049617197	Ess MR16 35W GU5.3 12V 36D 1CT/10X5F	36 °	3000 K	100	800 cd	36 °
924049717129	Hal-Dich 2y 50W GU5.3 12V 36D 1CT/10X5F	36 °	3000 K	100	1200 cd	36 °
924049717182	Ess MR16 50W GU5.3 12V 36D CD 1CT/10X5F	36 °	3000 K	100	1200 cd	36 °
925696817102	ESSPlus MR16 50W GU5.3 12V 36D 2CT/6	36 °	-	100	-	-
925696817104	ESSPlus MR16 50W GU5.3 12V 36D 1CT/10x5F	36 °	-	100	-	-
925696917104	Ess MR16 50W GU5.3 12V 60D 1CT/10X5F	60 °	-	-	-	-
925702017101	Ess MR16 20W GU5.3 12V 1CT/5X10F	36 °	-	-	-	-
925711817102	ESSPlus MR16 35W GU5.3 12V 36D 1CT/10x5F	36 °	2700 K	100	465 cd	-
925711917101	ESSPlus MR16 35W GU5.3 12V 60D 2CT/10	60 °	2700 K	100	465 cd	-
925711917102	ESSPlus MR16 35W GU5.3 12V 60D 1CT/10x5F	60 °	2700 K	100	465 cd	-
925711917104	ESSPlus MR16 35W GU5.3 12V 60D 6CT/5	60 °	2700 K	100	465 cd	-
926000850012	Ess MR16 50W GU5.3 12V 36D 1CT/10X5F	36 °	3000 K	100	1200 cd	36 °

