



# Halogen reflector lamps – proven reliability

## Halogen reflector

Philips' halogen reflector lamps offer the ideal no-fuss solution for a wide variety of medical, projection and scientific illumination systems. Their proven reliability makes them ideal for retrofit installations. The burners are precisely aligned for optimal light performance. Dichroic reflectors ensure heat dissipation towards the back of the optical system, which helps the optical system remain within temperature limits. A special blue-filter version blocking out unwanted light above 700 nm is available for dental curing applications. In addition, you get all the proven advantages of halogen technology such as a CRI of 100 – the same as natural sunlight for the best possible color rendering. Halogen lamps also create a comfortable warm white light, and they maintain their high lumen output with almost no lumen reduction throughout their lifetime.

### Benefits

- Optimal light performance
- Remains within temperature limits
- No re-alignment necessary when lamp is replaced

### Features

- Excellent distortion-free quartz bulb
- Dichroic coating ensures dissipation of approximately 75% of the generated heat backwards

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## Application

- Medical endoscopy
- Industrial endoscopy
- Fiber optic illumination
- Dental curing
- Projection systems
- Microfiche
- Spectrography

## Versions



G4/GZ4



GX5.3 smooth



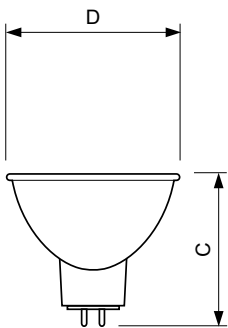
GX5.3 faceted



GZ6.35



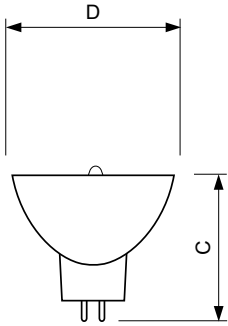
## Dimensional drawing



Product	D (max)	C (max)
13163 250W GX5.3 24V 1CT/10X5F	50 mm	44.5 mm
5995 EJM 150W GX5.3 21V 1CT/24	50.7 mm	44.5 mm
13164 200W GX5.3 24V 1CT/24	50.7 mm	44.5 mm
DDL 150W 20V 24PK	2 in	1-3/4 in
13629 150W GX5.3 21V 1CT/24	2 in	1-3/4 in
6423FO 150W GZ6.35 15V 1CT/10X5F	50 mm	42 mm
6834FO 100W GZ6.35 12V 1CT/10X5F	2 in	1-11/16 in
JCR 15V 150W H5 24 PACK	2 in	1-3/4 in

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## Dimensional drawing



D

Product	D (max)	C (max)
13528 15W GZ4 6V 1CT/24	1-3/8 in	1-11/16 in

Product	D (max)	C (max)
13865 75W G5.3/4.8 12V 1CT/10X5F	1-3/8 in	1-7/16 in

### Controls and dimming

Dimmable Yes

### Light technical

Color Rendering Index (Nom) 100

### Mechanical and housing

Bulb Material Quartz-UV Open

## Operating and electrical

Order Code	Full Product Name	Voltage (Nom)	Power (Nom)
324038	13528 15W GZ4 6V 1CT/24	6 V	15 W
507095	ELC 13163 24V 250W	24 V	250 W
239426	EJM 21V 150W 24 PACK	21 V	150 W
315085	EJL 200W 24V 24PK	24 V	200 W
315929	EKE 150W 21V 24PK	21 V	150 W

Order Code	Full Product Name	Voltage (Nom)	Power (Nom)
315093	DDL 150W 20V 24PK	20 V	150 W
314906	EFR 150W 15V 50PK	15 V	150 W
314880	EFP 6834 12V 100W	12 V	100 W
324053	13865 75W G5.3/4.8 12V 1CT/10X5F	12 V	75 W
249235	JCR 15V 150W H5 24 PACK	15 V	150 W

## General information (1/2)

Order Code	Full Product Name	Ansi Code	Cap-Base	J Code	LIF Code	Life To 50% Failures (Nom)	Main Application	Operating Position
324038	13528 15W GZ4 6V 1CT/24	-	GZ4	-	-	750 h	Projection	S105
507095	ELC 13163 24V 250W	ELC	GX5.3	-	A1/259	50 h	Projection	Universal
239426	EJM 21V 150W 24 PACK	EJM	GX5.3	-	-	40 h	Projection	Base Down +/- 90 D
315085	EJL 200W 24V 24PK	EJL	GX5.3	-	A1/252	50 h	Projection	Base Down +/- 90 D
315929	EKE 150W 21V 24PK	EKE-ENA	GX5.3	-	-	200 h	Projection	Base Down +/- 90 D

## Halogen reflector

Order Code	Full Product Name	Ansi Code	Cap-Base	J Code	LIF Code	Life To 50% Failures (Nom)	Main Application	Operating Position
315093	DDL 150W 20V 24PK	DDL	GX5.3	-	-	500 h	Projection	S105
314906	EFR 150W 15V 50PK	EFR	GZ6.35	-	A1/232	50 h	Projection	P90/P15
314880	EFP 6834 12V 100W	EFP	GZ6.35	-	A1/231	50 h	Projection	P90/P15
324053	13865 75W G5.3/4.8 12V 1CT/10X5F	-	G5.3	-	-	35 h	Dental Hardening	Universal
249235	JCR 15V 150W H5 24 PACK	-	GZ6.35	JCR15V150W5H	-	500 h	Fiber optic illumination	Base Down +/- 90 D

### General information (2/2)

Order Code	Full Product Name	Philips Code
324038	13528 15W GZ4 6V 1CT/24	13528
507095	ELC 13163 24V 250W	13163
239426	EJM 21V 150W 24 PACK	5995
315085	EJL 200W 24V 24PK	13164
315929	EKE 150W 21V 24PK	13629

Order Code	Full Product Name	Philips Code
315093	DDL 150W 20V 24PK	14501
314906	EFR 150W 15V 50PK	6423FO
314880	EFP 6834 12V 100W	6834FO
324053	13865 75W G5.3/4.8 12V 1CT/10X5F	13865
249235	JCR 15V 150W H5 24 PACK	NA

### Light technical

Order Code	Full Product Name	Correlated Color		
		Temperature (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
324038	13528 15W GZ4 6V 1CT/24	2900 K	-	-
507095	ELC 13163 24V 250W	-	-	-
239426	EJM 21V 150W 24 PACK	-	-	1200 lm
315085	EJL 200W 24V 24PK	-	-	1100 lm
315929	EKE 150W 21V 24PK	-	-	900 lm

Order Code	Full Product Name	Correlated Color		
		Temperature (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
315093	DDL 150W 20V 24PK	3150 K	-	400 lm
314906	EFR 150W 15V 50PK	3380 K	840 lm	-
314880	EFP 6834 12V 100W	3330 K	-	-
324053	13865 75W G5.3/4.8 12V 1CT/10X5F	-	-	-
249235	JCR 15V 150W H5 24 PACK	3100 K	-	-

### Mechanical and housing

Order Code	Full Product Name	Bulb Shape	Filament Shape
324038	13528 15W GZ4 6V 1CT/24	R35	-
507095	ELC 13163 24V 250W	R-16	-
239426	EJM 21V 150W 24 PACK	-	-
315085	EJL 200W 24V 24PK	-	-
315929	EKE 150W 21V 24PK	-	-

Order Code	Full Product Name	Bulb Shape	Filament Shape
315093	DDL 150W 20V 24PK	R-16	-
314906	EFR 150W 15V 50PK	R-16	-
314880	EFP 6834 12V 100W	R-16	-
324053	13865 75W G5.3/4.8 12V 1CT/10X5F	R35	-
249235	JCR 15V 150W H5 24 PACK	R-16	-

