



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

Halogen reflector

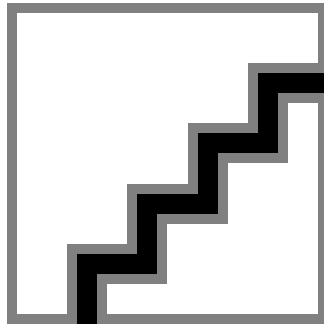
Application

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

Versions



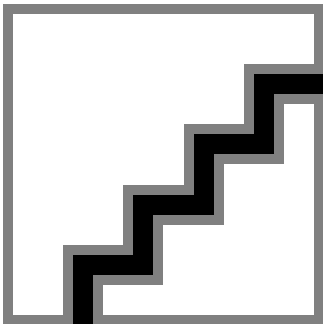
G4/GZ4



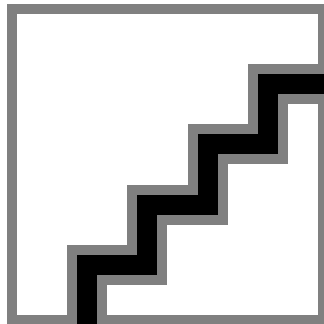
GX5.3 smooth



GX5.3 Stippled



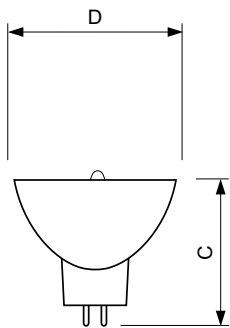
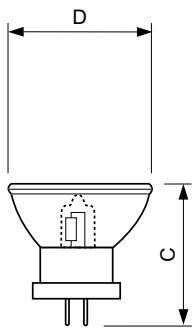
GX5.3 faceted



GZ6.35

Halogen reflector

Dimensional drawing



Product	D (max)	C (max)
13164 200W GX5.3 24V 1CT/24	50.7 mm	44.5 mm
ELD 150W 21V 24PK	50.7 mm	44.5 mm
13163 250W GX5.3 24V 1CT/10X5F	50 mm	44.5 mm
6423 150W GZ6.35 15V 1CT/10X5F	50 mm	42 mm
6834 100W GZ6.35 12V 1CT/10X5F	50 mm	42 mm
13186 90W GX5.3 14.5V 1CT/24	50 mm	45 mm
13289 50W GX5.3 13.8V 1CT/24	50 mm	46 mm
13938XHP 50W GX5.3 22.8V 1CT/24	50 mm	45 mm
JCR 15V 150W H5 24 PACK	50 mm	43 mm
6834FO 100W GZ6.35 12V 1CT/10X5F	50 mm	42 mm
6423FO 150W GZ6.35 15V 1CT/10X5F	50 mm	42 mm
6423XHP FO 150W GZ6.35 15V 1CT/10X5F	50 mm	42 mm
13629 150W GX5.3 21V 1CT/24	50.7 mm	44.5 mm
DDL 150W 20V 24PK	50.7 mm	44.5 mm
5995 EJM 150W GX5.3 21V 1CT/24	50.7 mm	44.5 mm

Product	D (max)	C (max)
13865 75W G5.3/4.8 12V 1CT/10X5F	35 mm	35.5 mm

Product	D (max)	C (max)
13528 15W GZ4 6V 1CT/24	35 mm	42 mm

Controls and Dimming

Dimmable Yes

Light Technical

Color Rendering Index (Nom) 100

Mechanical and Housing

Bulb Material Quartz-UV Open

Operating and Electrical

Halogen reflector

Order Code	Full Product Name	Voltage (Nom)	Power (Rated)	
			(Nom)	(Nom)
923883810105	13528 15W GZ4 6V 1CT/24	6 V		15 W
923891214905	13186 90W GX5.3 14.5V 1CT/24	14.5 V		90 W
923919720501	13163 250W GX5.3 24V 1CT/10X5F	24 V		250 W
923921019894	5995 EJM 150W GX5.3 21V 1CT/24	21 V		150 W
923921120594	13164 200W GX5.3 24V 1CT/24	24 V		200 W
923931518205	13289 50W GX5.3 13.8V 1CT/24	13.8 V		50 W
924010319894	13629 150W GX5.3 21V 1CT/24	21 V		150 W
924059828302	13938XHP 50W GX5.3 22.8V 1CT/24	22.8 V		50 W
923916717104	6834 100W GZ6.35 12V 1CT/10X5F	12 V		100 W
923916818504	6423 150W GZ6.35 15V 1CT/10X5F	15 V		150 W

Order Code	Full Product Name	Voltage (Nom)	Power (Rated)	
			(Nom)	(Nom)
924044218504	6423XHP FO 150W GZ6.35 15V 1CT/10X5F	15 V		150 W
924048218504	6423FO 150W GZ6.35 15V 1CT/10X5F	15 V		150 W
924048417104	6834FO 100W GZ6.35 12V 1CT/10X5F	12 V		100 W
924060017101	13865 75W G5.3/4.8 12V 1CT/10X5F	12 V		75 W
923921319894	ELD 150W 21V 24PK	21 V		150 W
923921419794	DDL 150W 20V 24PK	20 V		150 W
924793618594	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	Life To 50% Failures		Main Application	Operating Position
					LIF Code	(Nom)		
923883810105	13528 15W GZ4 6V 1CT/24	-	GZ4	-	-	750 h	Projection	S105
923891214905	13186 90W GX5.3 14.5V 1CT/24	EPX-EPV	GX5.3	-	-	500 h	Projection	S105
923919720501	13163 250W GX5.3 24V 1CT/10X5F	ELC	GX5.3	-	A1/259	50 h	Projection	UNIVERSAL
923921019894	5995 EJM 150W GX5.3 21V 1CT/24	EJM	GX5.3	-	-	40 h	Projection	S90
923921120594	13164 200W GX5.3 24V 1CT/24	EJL	GX5.3	-	A1/252	50 h	Projection	S90
923931518205	13289 50W GX5.3 13.8V 1CT/24	-	GX5.3	-	-	1000 h	Projection	UNIVERSAL
924010319894	13629 150W GX5.3 21V 1CT/24	EKE-ENA	GX5.3	-	-	200 h	Projection	S90
924059828302	13938XHP 50W GX5.3 22.8V 1CT/24	-	GX5.3	-	-	750 h	Projection	UNIVERSAL
923916717104	6834 100W GZ6.35 12V 1CT/10X5F	EFP	GZ6.35	-	A1/231	50 h	Projection	P90/P15
923916818504	6423 150W GZ6.35 15V 1CT/10X5F	EFR	GZ6.35	-	A1/232	50 h	Projection	P90/P15
924044218504	6423XHP FO 150W GZ6.35 15V 1CT/10X5F	EFR	GZ6.35	-	A1/232	50 h	Projection	P90/P15
924048218504	6423FO 150W GZ6.35 15V 1CT/10X5F	EFR	GZ6.35	-	A1/232	50 h	Projection	P90/P15
924048417104	6834FO 100W GZ6.35 12V 1CT/10X5F	EFP	GZ6.35	-	A1/231	50 h	Projection	P90/P15
924060017101	13865 75W G5.3/4.8 12V 1CT/10X5F	-	G5.3	-	-	35 h	Dental Hardening	UNIVERSAL
923921319894	ELD 150W 21V 24PK	ELD-EJN	GX5.3	-	-	40 h	Projection	S90
923921419794	DDL 150W 20V 24PK	DDL	GX5.3	-	-	500 h	Projection	S105
924793618594	JCR 15V 150W H5 24 PACK	-	GZ6.35	JCR15V150W5H	-	500 h	Fiber optic illumination	S90

General Information (2/2)

Order Code	Full Product Name	Philips Code	Order Code	Full Product Name	Philips Code
923883810105	13528 15W GZ4 6V 1CT/24	13528	923916818504	6423 150W GZ6.35 15V 1CT/10X5F	6423
923891214905	13186 90W GX5.3 14.5V 1CT/24	13186	924044218504	6423XHP FO 150W GZ6.35 15V 1CT/10X5F	6423XHP FO
923919720501	13163 250W GX5.3 24V 1CT/10X5F	13163	924048218504	6423FO 150W GZ6.35 15V 1CT/10X5F	6423FO
923921019894	5995 EJM 150W GX5.3 21V 1CT/24	5995	924048417104	6834FO 100W GZ6.35 12V 1CT/10X5F	6834FO
923921120594	13164 200W GX5.3 24V 1CT/24	13164	924060017101	13865 75W G5.3/4.8 12V 1CT/10X5F	13865
923931518205	13289 50W GX5.3 13.8V 1CT/24	13289	923921319894	ELD 150W 21V 24PK	13158
924010319894	13629 150W GX5.3 21V 1CT/24	13629	923921419794	DDL 150W 20V 24PK	14501
924059828302	13938XHP 50W GX5.3 22.8V 1CT/24	13938XHP	924793618594	JCR 15V 150W H5 24 PACK	NA
923916717104	6834 100W GZ6.35 12V 1CT/10X5F	6834			

Light Technical

Halogen reflector

Order Code	Full Product Name	Correlated Color		Luminous
		Temperature (Nom)	Luminous Flux (Nom)	Flux (Rated) (Nom)
923883810105	13528 15W GZ4 6V 1CT/24	2900 K	-	-
923891214905	13186 90W GX5.3 14.5V 1CT/24	3200 K	-	-
923919720501	13163 250W GX5.3 24V 1CT/10X5F	3400 K	-	-
923921019894	5995 EJM 150W GX5.3 21V 1CT/24	3400 K	-	1200 lm
923921120594	13164 200W GX5.3 24V 1CT/24	3400 K	-	1100 lm
923931518205	13289 50W GX5.3 13.8V 1CT/24	- K	-	-
924010319894	13629 150W GX5.3 21V 1CT/24	3250 K	-	900 lm
924059828302	13938XHP 50W GX5.3 22.8V 1CT/24	3200 K	-	380 lm

Order Code	Full Product Name	Correlated Color		Luminous
		Temperature (Nom)	Luminous Flux (Nom)	Flux (Rated) (Nom)
923916717104	6834 100W GZ6.35 12V 1CT/10X5F	3330 K	-	-
923916818504	6423 150W GZ6.35 15V 1CT/10X5F	3380 K	-	-
924044218504	6423XHP FO 150W GZ6.35 15V 1CT/10X5F	3380 K	950 lm	-
924048218504	6423FO 150W GZ6.35 15V 1CT/10X5F	3380 K	840 lm	-
924048417104	6834FO 100W GZ6.35 12V 1CT/10X5F	3330 K	-	-
924060017101	13865 75W G5.3/4.8 12V 1CT/10X5F	-	-	-
923921319894	ELD 150W 21V 24PK	3400 K	-	320 lm
923921419794	DDL 150W 20V 24PK	3150 K	-	400 lm
924793618594	JCR 15V 150W H5 24 PACK	3100 K	-	-

Mechanical and Housing

Order Code	Full Product Name	Filament	
		Bulb Shape	Shape
923883810105	13528 15W GZ4 6V 1CT/24	R35	-
923891214905	13186 90W GX5.3 14.5V 1CT/24	R50	-
923919720501	13163 250W GX5.3 24V 1CT/10X5F	R50	-
923921019894	5995 EJM 150W GX5.3 21V 1CT/24	-	-
923921120594	13164 200W GX5.3 24V 1CT/24	-	-
923931518205	13289 50W GX5.3 13.8V 1CT/24	R50	-
924010319894	13629 150W GX5.3 21V 1CT/24	-	-
924059828302	13938XHP 50W GX5.3 22.8V 1CT/24	R50	-
923916717104	6834 100W GZ6.35 12V 1CT/10X5F	R50	-

Order Code	Full Product Name	Filament	
		Bulb Shape	Shape
923916818504	6423 150W GZ6.35 15V 1CT/10X5F	R50	-
924044218504	6423XHP FO 150W GZ6.35 15V 1CT/10X5F	R50	-
924048218504	6423FO 150W GZ6.35 15V 1CT/10X5F	R50	-
924048417104	6834FO 100W GZ6.35 12V 1CT/10X5F	R50	-
924060017101	13865 75W G5.3/4.8 12V 1CT/10X5F	R35	-
923921319894	ELD 150W 21V 24PK	R50	-
923921419794	DDL 150W 20V 24PK	R50	-
924793618594	JCR 15V 150W H5 24 PACK	R50	-

