



# 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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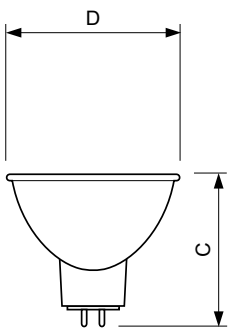
## Application

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

## Versions



## Dimensional drawing



Product	D (max)	C (max)
6853 FO 75W GZ6.35 12V 1CT/10X5F	50 mm	42 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
DDL 150W 20V 24PK	50.7 mm	44.5 mm
ELD 150W 21V 24PK	50.7 mm	44.5 mm
5995 EJM 150W GX5.3 21V 1CT/24	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

Controls and Dimming	
Dimmable	Yes
General Information	
Main Application	Projection
Light Technical	
Colour 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)	
			Voltage (Nom)	(Nom)
42731160	6834 100W GZ6.35 12V 1CT/10X5F	12 V		100 W
42733560	6423 150W GZ6.35 15V 1CT/10X5F	15 V		150 W
41182260	6423XHP FO 150W GZ6.35 15V 1CT/10X5F	15 V		150 W
40971360	6423FO 150W GZ6.35 15V 1CT	15 V		150 W
40973760	6834FO 100W GZ6.35 12V 1CT/10X5F	12 V		100 W

Order Code	Full Product Name	Voltage (Nom)	Power (Rated)	
			Voltage (Nom)	(Nom)
40974460	6853 FO 75W GZ6.35 12V 1CT/10X5F	12 V		75 W
40975160	13163 250W GX5.3 24V 1CT/10X5F	24 V		250 W
41063430	5995 EJM 150W GX5.3 21V 1CT/24	21 V		150 W
41060330	13158 150W GX5.3 21V 1CT	21 V		150 W
41061030	14501 150W GX5.3 20V	20 V		150 W

### General Information

Order Code	Full Product Name	Ansi Code	Cap-Base	J Code	LIF Code	Life To 50% Failures (Nom)	Operating Position	Philips Code
42731160	6834 100W GZ6.35 12V 1CT/10X5F	EFP	GZ6.35	-	A1/231	50 h	P90/P15	6834
42733560	6423 150W GZ6.35 15V 1CT/10X5F	EFR	GZ6.35	-	A1/232	50 h	P90/P15	6423
41182260	6423XHP FO 150W GZ6.35 15V 1CT/10X5F	EFR	GZ6.35	-	A1/232	50 h	P90/P15	6423XHP FO
40971360	6423FO 150W GZ6.35 15V 1CT	EFR	GZ6.35	-	A1/232	50 h	P90/P15	6423FO
40973760	6834FO 100W GZ6.35 12V 1CT/10X5F	EFP	GZ6.35	-	A1/231	50 h	P90/P15	6834FO
40974460	6853 FO 75W GZ6.35 12V 1CT/10X5F	EFN	GZ6.35	-	A1/230	50 h	P90/P15	6853 FO
40975160	13163 250W GX5.3 24V 1CT/10X5F	ELC	GX5.3	-	A1/259	50 h	UNIVERSAL	13163
41063430	5995 EJM 150W GX5.3 21V 1CT/24	EJM	GX5.3	-	-	40 h	S90	5995
41060330	13158 150W GX5.3 21V 1CT	ELD-EJN	GX5.3	-	-	40 h	S90	13158
41061030	14501 150W GX5.3 20V	DDL	GX5.3	-	-	500 h	S105	14501

### Light Technical

Order Code	Full Product Name	Correlated Colour		Luminous
		Temperature (Nom)	Luminous Flux (Nom)	Flux (Rated) (Nom)
42731160	6834 100W GZ6.35 12V 1CT/10X5F	3330 K	-	-
42733560	6423 150W GZ6.35 15V 1CT/10X5F	3380 K	-	-
41182260	6423XHP FO 150W GZ6.35 15V 1CT/10X5F	3380 K	950 lm	-
40971360	6423FO 150W GZ6.35 15V 1CT	3380 K	840 lm	-
40973760	6834FO 100W GZ6.35 12V 1CT/10X5F	3330 K	-	-

Order Code	Full Product Name	Correlated Colour		Luminous
		Temperature (Nom)	Luminous Flux (Nom)	Flux (Rated) (Nom)
40974460	6853 FO 75W GZ6.35 12V 1CT/10X5F	3350 K	-	600 lm
40975160	13163 250W GX5.3 24V 1CT/10X5F	3400 K	-	-
41063430	5995 EJM 150W GX5.3 21V 1CT/24	3400 K	-	1200 lm
41060330	13158 150W GX5.3 21V 1CT	3400 K	-	320 lm
41061030	14501 150W GX5.3 20V	3150 K	-	400 lm

### Mechanical and Housing

Order Code	Full Product Name	Bulb Shape	Filament Shape
42731160	6834 100W GZ6.35 12V 1CT/10X5F	R50	-
42733560	6423 150W GZ6.35 15V 1CT/10X5F	R50	-
41182260	6423XHP FO 150W GZ6.35 15V 1CT/10X5F	R50	-
40971360	6423FO 150W GZ6.35 15V 1CT	R50	-
40973760	6834FO 100W GZ6.35 12V 1CT/10X5F	R50	-

Order Code	Full Product Name	Bulb Shape	Filament Shape
40974460	6853 FO 75W GZ6.35 12V 1CT/10X5F	R50	-
40975160	13163 250W GX5.3 24V 1CT/10X5F	R50	-
41063430	5995 EJM 150W GX5.3 21V 1CT/24	-	-
41060330	13158 150W GX5.3 21V 1CT	R50	-
41061030	14501 150W GX5.3 20V	R50	-

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