



Halogen non-reflector lamps – high-quality light and easy to use

Halogen non-reflector

Halogen non-reflector lamps offer high-quality light and are easy to install, replace and operate. All halogen non-reflector lamps incorporate a distortion-free quartz bulb and a precise positioning of the mounted filament. These ensure optimal beam performance and consistent, high light output. A wide range of wattages is available for a broad variety of applications, including projection systems. In addition you get all the proven advantages of halogen technology such as a full spectrum and a color rendering index (CRI) of 100 – the same as natural light and the best that it can be. Halogen lamps also create a comfortable warm white light, and they maintain their lumen output, with almost no reduction, throughout their lifetime.

Benefits

- Optimal beam performance
- 100% Color Rendering Index (CRI)
- Constant light output throughout lifetime

Features

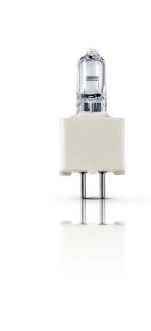
- Distortion-free, quartz bulb and precisely defined filament position
- Lamp replacement without adjustment
- XHP version with xenon gas for maximum light output
- Flat filament available

Halogen non-reflector

Application

- Studio, film, theatre and disco lighting
- Slide, overhead, profile and 8/16 mm film projectors
- Microscopes
- Optical equipment
- Slide and film viewers
- Surgery lamps
- Microfilm readers
- Dental lamps
- Spectrography

Versions



G5.3



GY6.35



G6.35



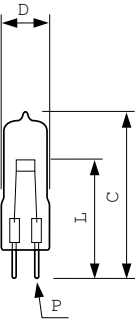
G4



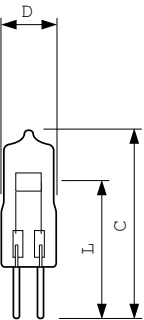
G4

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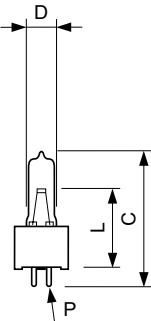
Dimensional drawing



Product	D (max)	L (min)	L (max)	L	P (max)	P (min)	C (max)
7023 100W GY6.35 12V 1CT/10X10F	1/2 in	1-3/16 in	1-1/4 in	1-3/16 in	1/16 in	1/16 in	1-3/4 in
7027 50W GY6.35 12V 1CT/10X10F	1/2 in	1-3/16 in	1-1/4 in	1-3/16 in	1/16 in	1/16 in	1-3/4 in
7158 150W GY6.35 24V 1CT/10X10F	1/2 in	1-1/4 in	1-5/16 in	1-1/4 in	1/16 in	1/16 in	2 in
7724 EVA 100W GY6.35 12V	7/16 in	1-3/16 in	1-1/4 in	1-3/16 in	1/16 in	1/16 in	1-3/4 in
7748XHP EHJ-S 250W GY6.35 24V	1/2 in	1-5/16 in	1-5/16 in	1-5/16 in	1/16 in	1/16 in	2-3/16 in
7158XHP 150W GY6.35 24V 1CT/ 10X10F	1/2 in	1-1/4 in	1-5/16 in	1-5/16 in	1/16 in	1/16 in	2 in
14623 95W GY6.35 17V 1CT/10X10F	1/2 in	1-1/4 in	1-5/16 in	1-1/4 in	1/16 in	1/16 in	2 in



Product	D (max)	L (max)	C (max)
6605 10W G4 6V 1CT/10X10F	3/8 in	13/16 in	1-1/4 in
7387 10W G4 6V 1CT/10X10F	3/8 in	13/16 in	1-1/4 in
7388 20W G4 6V 1CT/10X10F	3/8 in	13/16 in	1-1/4 in
5761 30W G4 6V	3/8 in	13/16 in	1-1/4 in



Product	D (max)	L (min)	L (max)	L	P (max)	P (min)	C (max)
14531 360W G5.3 82V 1CT	1/2 in	1-1/4 in	1-1/4 in	1-1/4 in	1/16 in	1/16 in	2-1/4 in
6390 30W G5.3 10.8V 1CT/24	3/8 in	1-1/16 in	1-1/8 in	1-1/16 in	1/16 in	1/16 in	1-3/4 in

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Dimensional drawing



Product	D (max)	L (min)	L (max)	L	C	P (max)	P	P (min)
12345SL 12V 20W G4 PH	3/8 in	3/4 in	13/16 in	13/16 in	1-3/16 in	1/16 in	1/16 in	1/16 in

General information	
Main Application	Projection
Mechanical and housing	
Bulb Material	Quartz-UV Open

Operating and electrical

Order Code	Full Product Name	Voltage (Nom)	Power (Nom)	Order Code	Full Product Name	Voltage (Nom)	Power (Nom)
324004	6390 30W G5.3 10.8V 1CT/24	10.8 V	30 W	231746	FCS-X 100 PACK	24 V	150 W
232579	EYB 82V 360W 24PK	82 V	360 W	158816	14623 17V 95W 100PK	17 V	95 W
261016	FCR 100W 12V 100PK	12 V	100 W	256842	6605 10W 6V 100PK	6 V	10 W
256768	EVA 100W 12V 100PK	12 V	100 W	261263	ESA/FHD 10W 6V 100PK	6 V	10 W
316273	BRL 7027 50W 12V 100PK	12 V	50 W	256784	ESB 7388 20W 6V 100PK	6 V	20 W
206078	FCS 24V 100PK	24 V	150 W	257139	5761 30W 6V 100PK	6 V	30 W
231753	EHJ-X 24V 250W 100 PK	24 V	250 W	324046	12345SL 20W G4 12V 1CT/24	12 V	20 W

General information

Order Code	Full Product Name	Ansi Code	Cap-Base	LIF Code	Life To 50% Failures (Nom)	Operating Position	Philips Code
324004	6390 30W G5.3 10.8V 1CT/24	DZA	G5.3	-	1000 h	Base Down +/- 90 D	6390
232579	EYB 82V 360W 24PK	EYB	G5.3	-	75 h	Base Down +/- 90 D	14531
261016	FCR 100W 12V 100PK	FCR	GY6.35	A1/215	50 h	Base Down +/- 90 D	7023
256768	EVA 100W 12V 100PK	EVA	GY6.35	M28	2000 h	Base Down +/- 90 D	7724
316273	BRL 7027 50W 12V 100PK	BRL-BCD	G6.35	A1/220	50 h	Base Down +/- 90 D	7027
206078	FCS 24V 100PK	FCS	G6.35	A1/216	50 h	Base Down +/- 90 D	7158
231753	EHJ-X 24V 250W 100 PK	EHJ	G6.35	A1/223	50 h	Base Down +/- 90 D	7748XHP
231746	FCS-X 100 PACK	FCS	G6.35	A1/216	40 h	Base Down +/- 90 D	7158XHP
158816	14623 17V 95W 100PK	-	G6.35	-	2000 h	Base Down +/- 90 D	14623
256842	6605 10W 6V 100PK	-	G4	M42	2000 h	Universal	6605
261263	ESA/FHD 10W 6V 100PK	ESA	G4	M29	100 h	Base Down +/- 90 D	7387
256784	ESB 7388 20W 6V 100PK	ESB	G4	M30	100 h	Universal	7388
257139	5761 30W 6V 100PK	-	G4	-	100 h	Universal	5761
324046	12345SL 20W G4 12V 1CT/24	-	G4	-	100 h	Universal	12345SL

Light technical

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Order Code	Full Product Name	Correlated Color Temperature (Nom)	Color Rendering Index (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
324004	6390 30W G5.3 10.8V 1CT/24	3100 K	100	-	570 lm
232579	EYB 82V 360W 24PK	3300 K	100	-	10000 lm
261016	FCR 100W 12V 100PK	3450 K	100	-	3600 lm
256768	EVA 100W 12V 100PK	3300 K	100	-	2800 lm
316273	BRL 7027 50W 12V 100PK	-	100	-	1600 lm
206078	FCS 24V 100PK	3450 K	100	-	5200 lm
231753	EHJ-X 24V 250W 100 PK	3550 K	100	-	10000 lm
231746	FCS-X 100 PACK	3450 K	100	-	6000 lm

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Color Rendering Index (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
158816	14623 17V 95W 100PK	-	-	-	2150 lm
256842	6605 10W 6V 100PK	2700 K	100	150 lm	-
261263	ESA/FHD 10W 6V 100PK	3200 K	100	200 lm	-
256784	ESB 7388 20W 6V 100PK	-	100	460 lm	-
257139	5761 30W 6V 100PK	3200 K	100	765 lm	-
324046	12345SL 20W G4 12V 1CT/24	3100 K	100	-	640 lm

Mechanical and housing

Order Code	Full Product Name	Filament Shape
324004	6390 30W G5.3 10.8V 1CT/24	Flat
232579	EYB 82V 360W 24PK	Flat
261016	FCR 100W 12V 100PK	Flat
256768	EVA 100W 12V 100PK	Flat
316273	BRL 7027 50W 12V 100PK	Flat
206078	FCS 24V 100PK	Flat
231753	EHJ-X 24V 250W 100 PK	Flat

Order Code	Full Product Name	Filament Shape
231746	FCS-X 100 PACK	Flat
158816	14623 17V 95W 100PK	Flat
256842	6605 10W 6V 100PK	-
261263	ESA/FHD 10W 6V 100PK	-
256784	ESB 7388 20W 6V 100PK	-
257139	5761 30W 6V 100PK	-
324046	12345SL 20W G4 12V 1CT/24	-

