



# Philips Halogen Aluminum Reflector Lamps

## ALR 37/56 mm

Delivers high lumen output and excellent color rendering for precise accent and display lighting. Philips Halogen Aluminum Reflector Lamps provide continuous color and high luminous intensity for precise accent and display lighting. These lamps offer a rated average life ranging from 2000 hours and feature excellent beam qualities for accent or ambient lighting.

### Benefits

- No harsh streaks or hotspots, directs all heat out of fixture, eliminates stray light, superior beam control.
- Reduces fading and protects reflector for continuous color.
- Securely mounts in fixture, won't freeze in socket and allows less obtrusive luminaire design.

### Features

- Aluminum Reflector.
- Front Cover Glass.
- Corrosion-Resistant Bayonet Base.
- Lightweight Compact-Light Source.
- Available in: ALR 37: 20 watt; ALR 56: 50 watt.

### Application

- Ideal for display lighting, accent lighting, task lighting and wall washing.

## ALR 37/56 mm

### Versions



BA15d R37 Clear

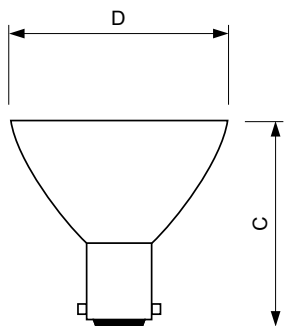
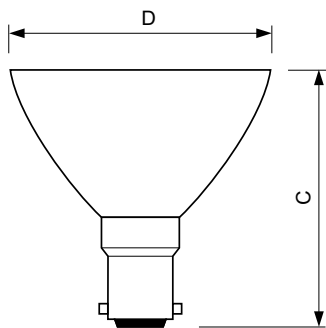


B15/BA15d R37 Frosted



B15 R56 Frosted

### Dimensional drawing



Product	D (max)	C (max)
GBK 50W S.C. Bay 12V 25D FR 1CT	58 mm	58 mm

Product	D (max)	C (max)
GBF 20W 12V 32DEG 50PK	38 mm	41 mm
GBD 20W DC Bay 12V 6D CL 1CT	38 mm	41 mm

## ALR 37/56 mm

### Controls and Dimming

Dimmable	Yes
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### Operating and Electrical

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

### General Information

Operating Position	UNIVERSAL
Rated Lifetime (Hours)	2000 h

### Light Technical

Correlated Color Temperature (Nom)	3000 K
Color Rendering Index (Nom)	100

## Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Energy Efficiency Label (EEL)
923882717119	GBD 20W DC Bay 12V 6D CL 1CT	21 kWh	B
924001517119	GBF 20W 12V 32DEG 50PK	21 kWh	C

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Energy Efficiency Label (EEL)
924001617119	GBK 50W S.C. Bay 12V 25D FR 1CT	-	Not applicable

## Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)	Warm Up Time To 60% Light (Nom)
923882717119	GBD 20W DC Bay 12V 6D CL 1CT	1.67 A	20 W	instant full light
924001517119	GBF 20W 12V 32DEG 50PK	1.67 A	20.0 W	instant full light

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)	Warm Up Time To 60% Light (Nom)
924001617119	GBK 50W S.C. Bay 12V 25D FR 1CT	4.17 A	50 W	-

## General Information

Order Code	Full Product Name	Cap- Base	Nominal Lifetime (Nom)	Philips Code	Switching Cycle
923882717119	GBD 20W DC Bay 12V 6D CL 1CT	BA15D	2000 h	6433	8000X
924001517119	GBF 20W 12V 32DEG 50PK	BA15D	2000 h	6435/FR	8000X

Order Code	Full Product Name	Cap- Base	Nominal Lifetime (Nom)	Philips Code	Switching Cycle
924001617119	GBK 50W S.C. Bay 12V 25D FR 1CT	BA15S	-	6439/FR	-

## Luminaire Design Requirements

Order Code	Full Product Name	Bulb Temperature (Max)
923882717119	GBD 20W DC Bay 12V 6D CL 1CT	250 °C
924001517119	GBF 20W 12V 32DEG 50PK	450 °C

Order Code	Full Product Name	Bulb Temperature (Max)
924001617119	GBK 50W S.C. Bay 12V 25D FR 1CT	250 °C

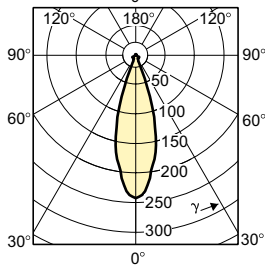
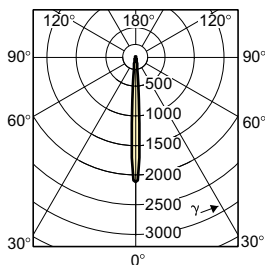
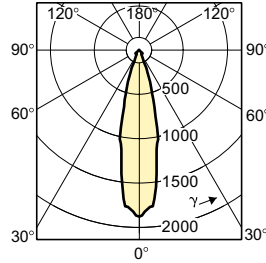
## Light Technical

# ALR 37/56 mm

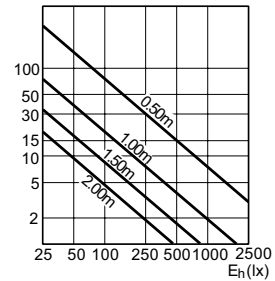
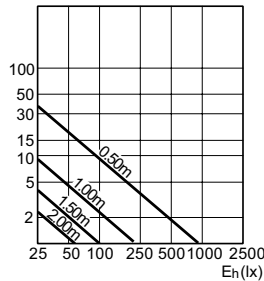
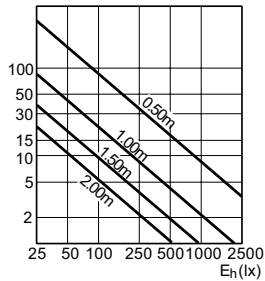
Order Code	Full Product Name	Llmf At End Of Nominal Lifetime		Luminous Flux (Rated)		Luminous Intensity (Max)	Rated Beam Angle
		Beam Angle (Nom)	(Min)	(Nom)	(Max)		
923882717119	GBD 20W DC Bay 12V 6D CL 1CT	6°	80 %	235 lm	6400 cd	6°	
924001517119	GBF 20W 12V 32DEG 50PK	32°	80 %	185 lm	350 cd	32°	
924001617119	GBK 50W S.C. Bay 12V 25D FR 1CT	25°	-	-	2000 cd	-	

## Mechanical and Housing

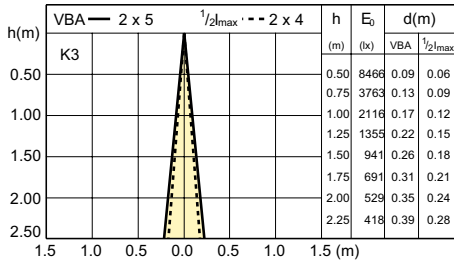
Order Code	Full Product Name	Bulb Finish	Bulb Shape
923882717119	GBD 20W DC Bay 12V 6D CL 1CT	Clear	R37
924001517119	GBF 20W 12V 32DEG 50PK	Frosted	R37
924001617119	GBK 50W S.C. Bay 12V 25D FR 1CT	Frosted	R56



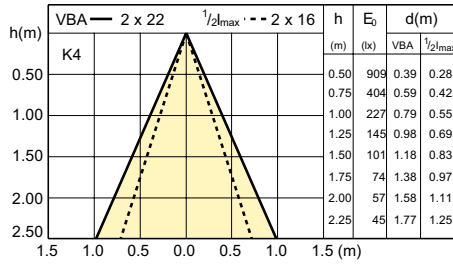
## Accent Diagrams



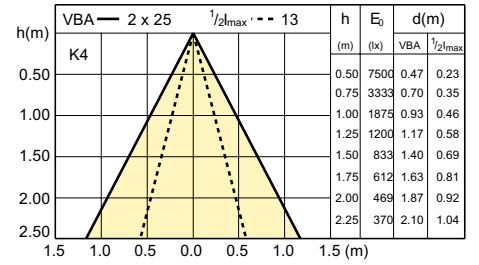
Beam Diagrams



LDBE\_HALUPAB\_20W\_6D-Beam diagram



LDBE\_HALUPAB\_20W\_32D-Beam diagram



LDBE\_HALUPAB\_50W\_25D-Beam diagram

