



Low Voltage Capsules

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Functional light with substantial energy savings Philips Halogen Low Voltage Capsules provide sparkling, white light. These lamps offer an average rated life of 2000 hours making them perfect for undercabinet or task lighting.

Benefits

- Bright white light

Features

- Must always be used in an enclosed fixture.
- Low voltage types require a fixture with a 12 volt transformer. Never interchange 12 and 120 volt types.
- Available in: T3: 10 and 20 watt; T4: 35, 50 and 75 watt.

Application

- Ideal for desk lamps, undercabinet fixtures, cabinet lighting, and more.

Warnings and Safety

- This lamp is pressurized and could shatter, so to avoid any injury and to avoid exposure to ultraviolet radiation, use only in fixtures that provide a protective shield of tempered glass.

Low Voltage Capsules

Versions



GY6.35, T11, Clear



G4, T9, Clear

Dimensional drawing

D

Product	D (max)	L	C (max)
LV Capsule BC20W/T3/LAND/TP/12VCAPSULE 2PK	10 mm	22 mm	33 mm
LV Capsule BC10W/T3/LAND/TP/12VCAPSULE 2PK	10 mm	22.2 mm	33 mm
LV Capsule BC20W/T3/12V/CAPSULE 12/1	10 mm	22 mm	33 mm
LV Capsule BC50W/T4/12V/CAPSULE 12/1	12 mm	30 mm	44 mm
LV Capsule BC35W /T4/12V/CAPSULE 12/1	12 mm	30 mm	44 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

Mechanical and Housing

Bulb Finish	Clear
Bulb Shape	T3

Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Power (Rated) (Nom)
415596	LV Capsule BC50W/T4/12V/CAPSULE 12/1	-	50 W
415570	LV Capsule BC35W /T4/12V/CAPSULE 12/1	-	35 W
417212	LV Capsule BC10W/T3/LAND/TP/12VCAPSULE 2PK	0.83 A	10 W
415661	LV Capsule BC20W/T3/12V/CAPSULE 12/1	-	20 W
417204	LV Capsule BC20W/T3/LAND/TP/12VCAPSULE 2PK	-	20 W

General Information

Low Voltage Capsules

Order Code	Full Product Name	Cap-Base	Philips Code	Switching Cycle
415596	LV Capsule BC50W/T4/12V/ CAPSULE 12/1	GY6.35	14730	-
415570	LV Capsule BC35W /T4/12V/ CAPSULE 12/1	GY6.35	13103	-
417212	LV Capsule BC10W/T3/LAND/TP/ 12VCAPSULE 2PK	G4	-	-

Order Code	Full Product Name	Cap-Base	Philips Code	Switching Cycle
415661	LV Capsule BC20W/T3/12V/ CAPSULE 12/1	G4	14729	8000X
417204	LV Capsule BC20W/T3/LAND/TP/ 12VCAPSULE 2PK	G4	14729	8000X

Luminaire Design Requirements

Order Code	Full Product Name	Bulb Temperature (Max)
415596	LV Capsule BC50W/T4/12V/CAPSULE 12/1	-
415570	LV Capsule BC35W /T4/12V/CAPSULE 12/1	-
417212	LV Capsule BC10W/T3/LAND/TP/12VCAPSULE 2PK	220 °C

Order Code	Full Product Name	Bulb Temperature (Max)
415661	LV Capsule BC20W/T3/12V/CAPSULE 12/1	220 °C
417204	LV Capsule BC20W/T3/LAND/TP/12VCAPSULE 2PK	220 °C

Light Technical

Order Code	Full Product Name	Luminous Efficacy (rated) (Nom)	Luminous Flux (Nom)
415596	LV Capsule BC50W/T4/12V/ CAPSULE 12/1	-	700 lm
415570	LV Capsule BC35W /T4/12V/ CAPSULE 12/1	13.3 lm/W	465 lm
417212	LV Capsule BC10W/T3/LAND/TP/ 12VCAPSULE 2PK	10 lm/W	100 lm

Order Code	Full Product Name	Luminous Efficacy (rated) (Nom)	Luminous Flux (Nom)
415661	LV Capsule BC20W/T3/12V/ CAPSULE 12/1	-	255 lm
417204	LV Capsule BC20W/T3/LAND/TP/ 12VCAPSULE 2PK	-	255 lm

Approval and Application

Order Code	Full Product Name	Energy Efficiency Label (EEL)
415596	LV Capsule BC50W/T4/12V/CAPSULE 12/1	-
415570	LV Capsule BC35W /T4/12V/CAPSULE 12/1	-
417212	LV Capsule BC10W/T3/LAND/TP/12VCAPSULE 2PK	-

Order Code	Full Product Name	Energy Efficiency Label (EEL)
415661	LV Capsule BC20W/T3/12V/CAPSULE 12/1	C
417204	LV Capsule BC20W/T3/LAND/TP/12VCAPSULE 2PK	C

