



Technical Application Guide for PHILIPS LED Lamps

PHILIPS LED 230V A67 75W 2200K-2700K

Dimmable Lamp



PHILIPS



Philips LED A67 Dimmable Lamps with a DimTone effect can create a warm, relaxing ambiance.

Cutting-edge technology enables light levels to dim to warm, amber tones, similar to traditional household bulbs.

Product benefits

- Enjoy the energy-savings of LEDs without sacrificing light quality
- Long life reduces the hassle of replacing bulbs so often
- Color temperature ranges from 2200K to 2700K. Enables light levels to dim to warm, amber tones
- Just by flipping the switch, your room is at full brightness. No slow starting or waiting

Features

- DimTone Feature – The more you dim, the warmer the light
- General Room Lighting – Familiar light bulb shapes perfect for household lighting
- Diffused light with wide light distribution
- Smooth dimming to 10% of full light levels
- Contain no mercury

Applications

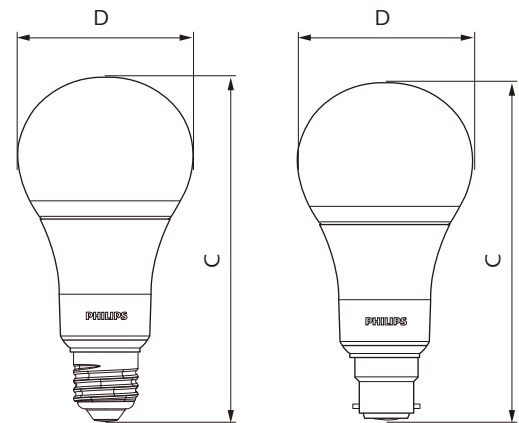
- PHILIPS 230V LED A67 Dimmable Lamps are suitably designed for general lighting applications in hospitality and retail industries
- Operating temperature range is between -20°C and 45°C ambient in free air, Tc max = 95°C for rated life. (See Lifetime + Sustainability Curves) Storage temperature range is between -40°C and 65°C, humidity range is between 10% and 90%
- Dimmable with most of leading and trailing edge dimmers in Europe market (refer to the recommended dimmer list on the last page)
- Not intended for use with emergency light fixtures or exit lights
- For use in fixtures that can structurally support the weight of the lamp
- Maximum 40pcs of this lamp can be loaded on one switch
- When mix load this lamp with other LED lamps without dimmer, please ensure total number of the lamps less than 40pcs

Technical Specifications

Product type	Voltage	Power	Base	Power Factor	Flux	Beam Angle	CCT	Lifetime	CRI	Dimmable
	(V)	(W)			(lm)	(°)	(K)	(hrs)		
A67 230V 11W-75W 1055lm 2200K-2700K E27 D	230	11	E27	>0.7	1055	300	2200-2700	25000	80	yes
A67 230V 11W-75W 1055lm 2200K-2700K B22 D	230	11	B22	>0.7	1055	300	2200-2700	25000	80	yes

Lamps Dimensions

Type	Overall length. C (mm)	Overall Max. D (mm)	Weight unpacked (g)
A67 11W-75W E27 D	137.2	70.6	137
A67 11W-75W B22 D	135.7	70.6	137

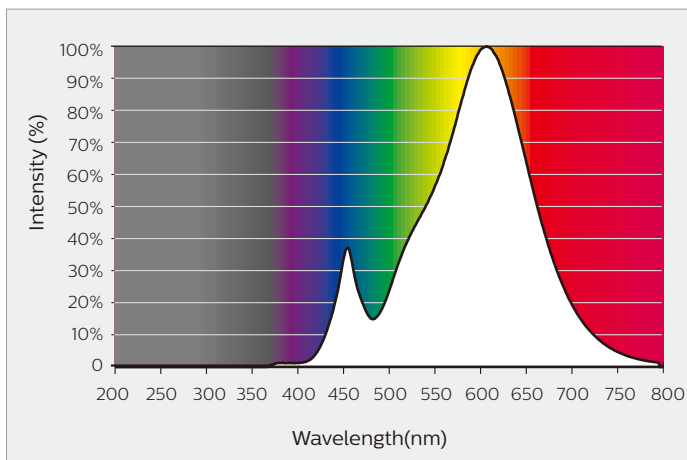


A67 E27 75W

A67 B22 75W

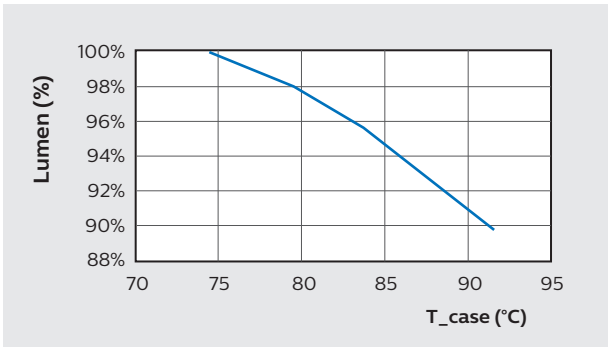
Spectral Power Distribution

Spectrum A67 11W-75W 2200K-2700K D



Temperature

A67 11W-75W 2200K-2700K



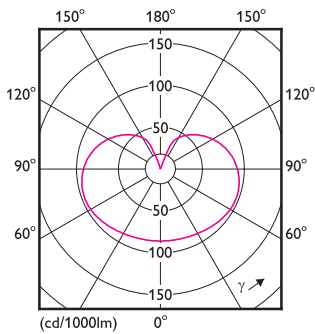
Photometric Diagrams

A67 230V 11W-75W 2200K-2700K E27/B22 DIM

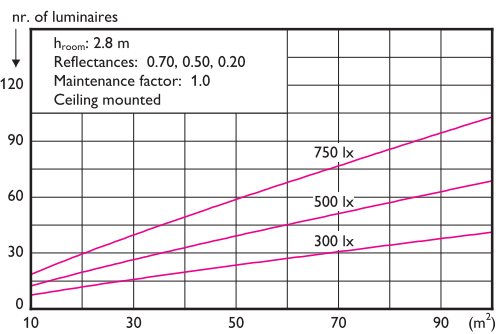
1 x 1055 lm

Light output ratio	1.00	CIE flux code	24 49 75 59 100
Service upward	0.41		
Service downward	0.59	UGR _{cen} (4Hx8H, 0.25H)	25

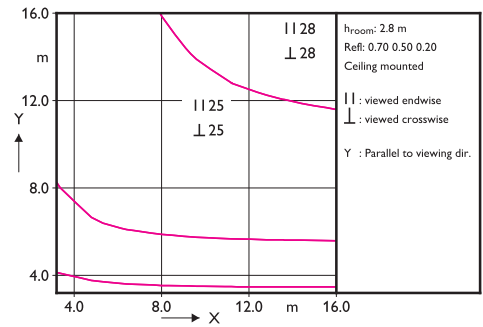
Polar intensity diagram



Quantity estimation diagram

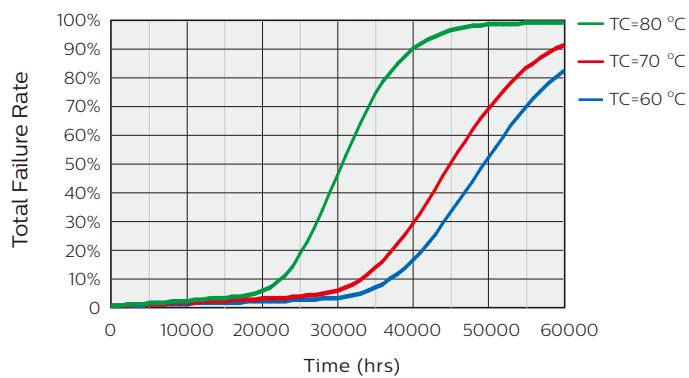


UGR diagram

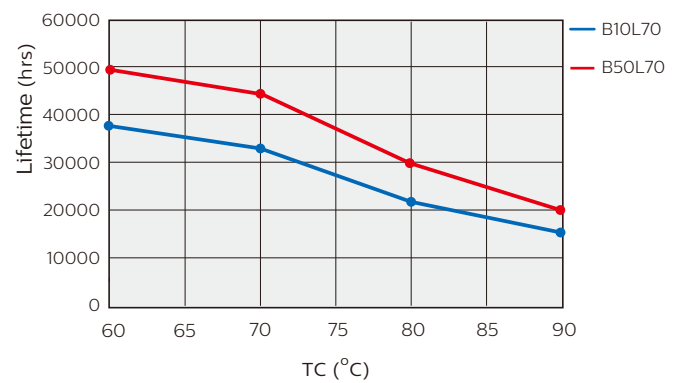


Lifetime + Sustainability

Failure Rate Curve of A67 11W-75W 2200K-2700K D



Lifetime vs. Tcase



- Philips LED A67 Dimmable Lamps has a lifetime of 25,000 hours, defined as the number of hours when 50% of a large group of identical lamps below 70% of its initial lumens.
- Lifetime estimation based on the application environment condition: please refer to the Tc for lifetime forecast.

Recommended Dimmer List

A67 230V 11W-75W 2200K-2700K D

NO	Dimmer info				DimTone Bulb 75W			
	Brand	Type #	Type	Load	Overall Result	Dimming range		
1	Schneider (Merten)	SBD420RCRL (MEG5138-0000)	RLC	20-420 VA	1-3	7%	-	93%
2	Schneider	SBD315RC (SBD 315)	RC	315W	1-3	1%	-	87%
3	Schneider (Elko)	SBD200LED (CCTEL10501) (S520512: 4-400VA)	LED (RC) (RL)	4-200 W (4-40 W)	1-3	10%	-	90%
4	Busch-Jaeger	2250U	R	600 W	1-3	0%	-	93%
5	Busch-Jaeger	6513 U-102	RC	420 W	1-3	10%	-	93%
6	Busch-Jaeger	6523U	LED	2-100 VA	1-3	0%	-	87%
7	Busch-Jaeger	2200 U-503	R	60-400 W	1-3	17%	-	93%
8	Busch-Jaeger	2247U - 500	RL	500 W	1-3	0%	-	93%
9	Legrand	67081	RL	40-300 W		7%	-	93%
10	Legrand	774161	RL	40-400 W		7%	-	93%
11	Legrand	67082	RL	40-600 W		7%	-	93%
12	Legrand	67084	RLC	40-400 W	1-3	7%	-	93%
13	Legrand	67085	RLC	40-300 W	1-3	0%	-	93%
14	Jung	225TDE	RC	20-525 W	1-3	10%	-	90%
15	Varilight	HQ3W	R	60-400 W	1-3	3%	-	90%
16	Insta (Berker)	2867 10	RC	20-360 W	1-3	10%	-	87%
17	Insta (Berker)	2830 10	R	60-400 W	1-3	10%	-	93%
18	Gira	2390 00 / 100	LED	7-100 W	1-3	3%	-	90%
19	Jung	1271LEDDE	LED	3-100 W	1-3	20%	-	87%
20	MK	K1535	R	65-450 W	1-3	7%	-	80%
21	MK	K1501 WHILV	R	60-500 W	1-3	7%	-	83%
22	Vimar	20148	RL	500 W	1-3	7%	-	93%
23	Vimar	20162	RC	40-300 W	1-3	7%	-	90%
Professional Specific: 2 Dynalite dimmers								
24	Dynalite	DDLE801			1-3	3%	-	90%
25	Dynalite	DDMC-GRMSPLUS			1-3	0%	-	90%
Consumer Specific: 5 Cord dimmers								
26	Ikea	WDE300F-1	R	300 W	1-3	0%	-	97%
27	Ikea	E0902-Dim	R	25-150 W	1-3	7%	-	93%
28	Ikea	WDE200L-1	R	200 W	1-3	3%	-	93%
29	Ikea	EED200LRS	R	200 W	1-3	0%	-	93%
30	Ikea	SD804	TE	150 W	1-3	0%	-	97%

WARNINGS & CAUTIONS

Suitable for use in open luminaires (fixtures).

Suitable for use in damp locations.

Risk of Electric Shock - DO NOT USE WHERE DIRECTLY EXPOSED TO WATER.

ADDED WEIGHT OF THE DEVICE MAY CAUSE INSTABILITY OF A FREE-STANDING PORTABLE LUMINAIRE.

This device is not intended for use with emergency exit fixtures.

Before replacing, turn off power and let lamp cool to avoid electrical shock or burn..

NOTES: This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference.

(2) This device must accept any interference received, including interference that may cause undesired operation.

WARRANTY STATEMENT

Limited Warranty terms are included inside lamp package.



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