

Products Datasheet View

Class	Model Number	Life Hours	LED Type	Light (lumen)	Angle	Input Voltage	Dimmiable	CCT (K)	CRI	Power (w)
Super Bright Series	BDL27-B-CW	30000	BridgeLux 3W	1623	30°	100-240Vac	No	6000	71	24
	BDL27-B-WW	30000	BridgeLux 3W	1431	30°	100-240Vac	No	3000	72	24
High-Energy Saving with High Bright Series	BDL03-E-CW	40000	Epistar 1W	245	30°	100-240Vac	Yes	6000	71	3.5
	BDL03-E-WW	40000	Epistar 1W	203	30°	100-240Vac	Yes	3000	72	3.5
	BDL07-E-CW	40000	Epistar 1W	503	30°	100-240Vac	Yes	6000	71	7
	BDL07-E-WW	40000	Epistar 1W	421	30°	100-240Vac	Yes	3000	72	7
	BDL09-E-CW	40000	Epistar 1W	765	30°	100-240Vac	Yes	6000	71	9
	BDL09-E-WW	40000	Epistar 1W	650	30°	100-240Vac	Yes	3000	72	9
	BDL12-E-CW	40000	Epistar 1W	985	30°	100-240Vac	Yes	6000	71	12
	BDL12-E-WW	40000	Epistar 1W	837	30°	100-240Vac	Yes	3000	72	12
	BDL15-E-CW	40000	Epistar 1W	1275	30°	100-240Vac	Yes	6000	71	15
	BDL15-E-WW	40000	Epistar 1W	1083	30°	100-240Vac	Yes	3000	72	15
	BDL18-E-CW	35000	Epistar 1W	1530	30°	100-240Vac	Yes	6000	71	17
	BDL18-E-WW	35000	Epistar 1W	1300	30°	100-240Vac	Yes	3000	72	17
High-Cost Effective with High Quality Series	BDL03-CH-CW	35000	CHIMEI 1W	207	30°	100-240Vac	No	6000	62	3.5
	BDL03-CH-WW	35000	CHIMEI 1W	176	30°	100-240Vac	No	3000	65	3.5
	BDL07-CH-CW	35000	CHIMEI 1W	418	30°	100-240Vac	No	6000	62	7
	BDL07-CH-WW	35000	CHIMEI 1W	351	30°	100-240Vac	No	3000	65	7
	BDL09-CH-CW	35000	CHIMEI 1W	644	30°	100-240Vac	No	6000	62	9
	BDL09-CH-WW	35000	CHIMEI 1W	556	30°	100-240Vac	No	3000	65	9
	BDL12-CH-CW	30000	CHIMEI 1W	821	30°	100-240Vac	No	6000	62	12
	BDL12-CH-WW	30000	CHIMEI 1W	701	30°	100-240Vac	No	3000	65	12
	BDL15-CH-CW	30000	CHIMEI 1W	1052	30°	100-240Vac	No	6000	62	15
	BDL15-CH-WW	30000	CHIMEI 1W	908	30°	100-240Vac	No	3000	65	15
BDL18-CH-CW	30000	CHIMEI 1W	1289	30°	100-240Vac	No	6000	62	17	
BDL18-CH-WW	30000	CHIMEI 1W	1088	30°	100-240Vac	No	3000	65	17	

WARNINGS AND CAUTIONS

- Suitable for use in open luminaires (fixtures).
- Do not use in outdoor fixtures.
- Do not use in enclosed fixtures.
- Use with triac dimmers.
- Do not use with emergency exit fixtures or with emergency lighting.
- Turn off power before changing lamp.

CAUTION: Risk of electric shock. Use in dry location only.

NOTES: This device complies with Part 18 of the FCC rule. This product may cause interference with other devices. If interference occurs, change the location of the products involved. This RFLD device complies with Canadian ICES-005.

Product Naming

BDL Bright LED Downlight **7D** Power Dimmiable **E** Chip Type **W** Color



We will help you achieve your lighting ideas

LED DOWNLIGHT

3W/7W/9W/12W/15W/18W/27W

Professional team, Specialized in high-brightness lamps

©2011 LED Lighting Company

All rights reserved. Reproduction in whole or part is prohibited without the prior written consent of the copyright owner.



LED Downlight

-LEDs in powerful accent lighting

Lighting can play a vital role in making displays of products more attractive to potential buyers. Available in warm white and neutral white light, our BDL LED projector combines breakthrough light output with energy efficiency. There is a 2000 lumen version to replace 35 W CDM and a 1000 lumen version to replace 20 W CDM.

BDL LED can be used in shops and DIY outlets to accentuate product displays and also comes in dedicated versions to increase the attractiveness of fresh produce in supermarkets. The version with extra red in the beam makes meat and fruit like apples look more appealing. To bring out the colours of cheese and bread we have developed a version with more yellow in the spectrum.

Photos



Energy Efficiency

Estimated Lighting Costs Using a Standard 30W CFL	
Present Wattage	30W
x Annual Operating Hours	3000 hrs
=	90,000 watts per year
÷ 1,000	= 90 kWh per year
x kWh rate of \$0.10	= \$9 per year
x 100 lamps per space	= \$900 annual energy cost per space

Estimated Lighting Costs Using a 9W BDL09-CW-E	
Present Wattage	9W
x Annual Operating Hours	3000 hrs
=	27,000 watts per year
÷ 1,000	= 27 kWh per year
x kWh rate of \$0.10	= \$2.7 per year
x 100 lamps per space	= \$270 annual energy cost per space

Total Estimated Annual Energy Costs*	= \$630
--------------------------------------	---------

This example shows an application of 100 lamps accenting a space, operating 3,000 hours per year at a cost of \$0.10 per kWh. Energy costs may vary depending on geographic region.

As you can see using 100pcs BDL09-CW-E can light a space for only \$270 per year! This is a \$630 savings compared to a 30W CFL lamp.

Potential savings from the reduction in HVAC costs as a result of using a low wattage lamp that emits less heat is an additional benefit not included in this example.

** Light output of the 9W bdl09-w at 765 lumens and 548lx from 2 meters compares to the 30W CFL at 1020 lumens and 553lx from 2 meters.

*Based on 100 lamps per space operating at 3,000 hours per year.

LED Power	LED Model	CFL Power	LED Power	LED Model	Incandescent Power	LED Power	LED Model	Halogen Power
1W	BDL-B	= 2.3W	1W	BDL-B	= 8.8W	1W	BDL-B	= 4.6W
1W	BDL-E	= 2.8W	1W	BDL-E	= 10W	1W	BDL-E	= 5.4W
1W	BDL-CH	= 2.3W	1W	BDL-CH	= 8.7W	1W	BDL-CH	= 4.5W

* CFL average live hours: 6000hrs

* Incandescent average live hours: 800hrs

* Halogen average live hours: 2000hrs

LED Downlight live hours: 45000~50000hrs.

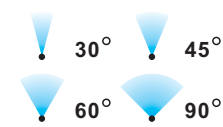
BDL-E



CR-DMTRA-A Triac Dimmer



Lighting Angle



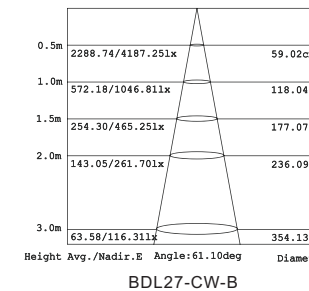
CCT



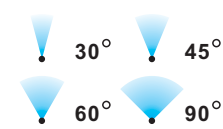
Power



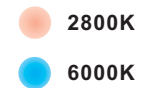
BDL-B



Lighting Angle



CCT



Power



Lux Test Report

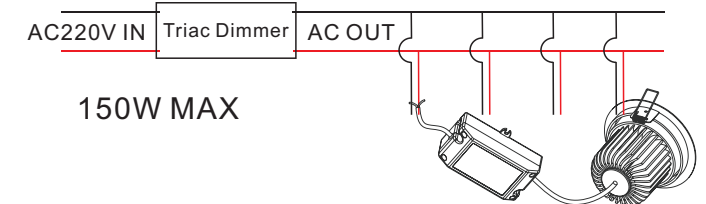
Model Number	1M (lux)	2M (lux)	3M (lux)
BDL03-E-CW	552	145	68
BDL07-E-CW	1644	412	188
BDL09-E-CW	2155	540	246
BDL12-E-CW	2566	622	280
BDL15-E-CW	3146	850	372
BDL18-E-CW	3712	1002	431
BDL27-B-CW	3804	1044	474

Model Number	1M (lux)	2M (lux)	3M (lux)
BDL03-CH-CW	447	111	52
BDL07-CH-CW	1322	334	158
BDL09-CH-CW	1746	437	201
BDL12-CH-CW	2078	508	211
BDL15-CH-CW	2533	682	301
BDL18-CH-CW	3011	808	344

Dimension

Model Number	Surface diameter	Lamp height	Open Hole Diameter
BDL03	90	53	75
BDL07	105	70	95
BDL09	135	75	115
BDL12	135	75	115
BDL15	160	64	150
BDL18	160	125	150
BDL27	135	120	115

Triac Dimmer can control BDL-E series.



Lamp height

Ø Surface diameter

