LIGHTING



FDV

BA- Lighting AS

BA24-CL76-8WD

Introduction





25°



BA- Lighting Mini downlight is specially designed for European market with standard cutout size of 80mm. 15°/24°/36°/60°beam angle provided, applicable for various lighting effect. Smart optical design with combination of COB LED and PC reflector, maximally reduces UGR down to 19 or even less. 25 degree flexible rotary head makes installation easier and better.

- Up to 70% energy saving compared to standard CFL
- Long lifetime of 50,000 hours
- Triac dim
- 15°/24°/36°/60° wide beam angle
- 82-88mm cutout
- CCT: 2700K 3000K
  4000K 5000K
- No UV/IR light
- Environment friendly, without Mercury or any other hazardous substances

Application notes

- IP54 for indoor use only
- Professional electrician for installation only
- Switch off before installation
- Do not touch when in use
- Keep away from hot steam and corrosive gas

Application Areas

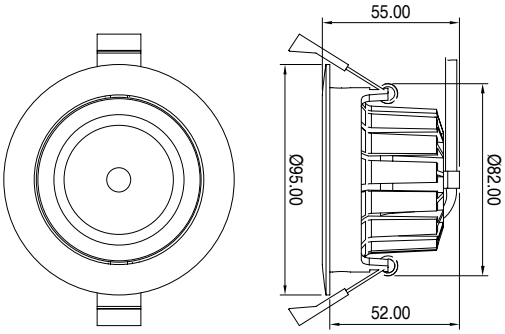
It is designed for general lighting applications in office, supermarket, shop, school, hotel, etc. It is also widely used for public areas, such as stairway, lobby, reception, corridors etc.

Certificate

CE RoHS SAA

www.ba-lighting.no post@ba-lighting.no

Product Information



Technical Specifications

Model	Voltage	Power	Power Factor	Lumen (±5%)	Beam angle	CCT	Lifespan	CRI	Dimmable	Dimension
BA-CL76-3-8W	230V	8W	≥0.85	520	15°/24°/36°/60°	2700K	50000h	≥90	No	Ø95*55mm cutout 82-88mm
BA-CL76-3-8W	230V	8W	≥0.85	540	15°/24°/36°/60°	3000K	50000h	≥90	No	Ø95*55mm cutout 82-88mm
BA-CL76-3-8W	230V	8W	≥0.85	565	15°/24°/36°/60°	4000K	50000h	≥90	No	Ø95*55mm cutout 82-88mm
BA-CL76-3-8W	230V	8W	≥0.85	570	15°/24°/36°/60°	5000K	50000h	≥90	No	Ø95*55mm cutout 82-88mm
BA-CL76-3-8W-D	**230V**	**8W**	**≥0.9**	**520**	15°/24°/36°/60°	**2700K**	**50000h**	**≥90**	**Yes**	**Ø95*55mm cutout 82-88mm**
BA-CL76-3-8W-D	230V	8W	≥0.9	540	15°/24°/36°/60°	3000K	50000h	≥90	Yes	Ø95*55mm cutout 82-88mm
BA-CL76-3-8W-D	230V	8W	≥0.9	565	15°/24°/36°/60°	4000K	50000h	≥90	Yes	Ø95*55mm cutout 82-88mm
BA-CL76-3-8W-D	230V	8W	≥0.9	570	15°/24°/36°/60°	5000K	50000h	≥90	Yes	Ø95*55mm cutout 82-88mm

Driver data Sheet

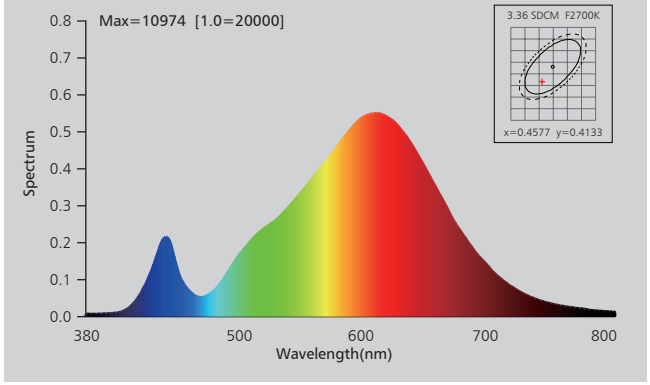
Driver data	DIM	Non dim
Input rated Voltage	AC230V	AC230V
Frequency	50Hz	50Hz
Input Voltage	AC200-240V	AC200-240V
Efficiency	≥75%	≥78%
Total load Wattage	8W±0.5W	8W±0.5W
Power Factor	≥0.9	≥0.85
Rated input current	≤0.05A	≤0.05A
Full load output Voltage	DC32-38V	DC32-38V
Rated output current	180mA	180mA
Output current range	180mA±5%	180mA±5%
Power tolerance	±5%	±5%
Current output tolerance	±5%	±5%
Dimming range	8%-100%	———
Dimmer	Triac dimmers	———
Short circuit protection	PASS	PASS
Over voltage protection	PASS	PASS
Over temperature protection	PASS	PASS
Withstand voltage	AC3750V	AC3750V

Fixture Compatibility

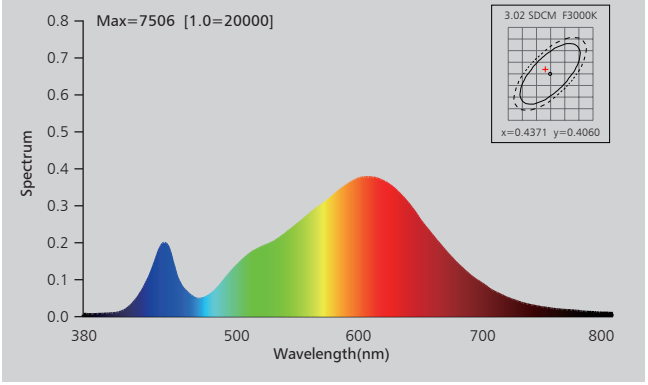
Rated Wattage	Electrical Classification	Ingress Protection	Operating Temp	Operating Humidity	Storage Temp
8W	II	IP54	-20°C~45°C	0~90%	-20°C~65°C

Spectral Distribution

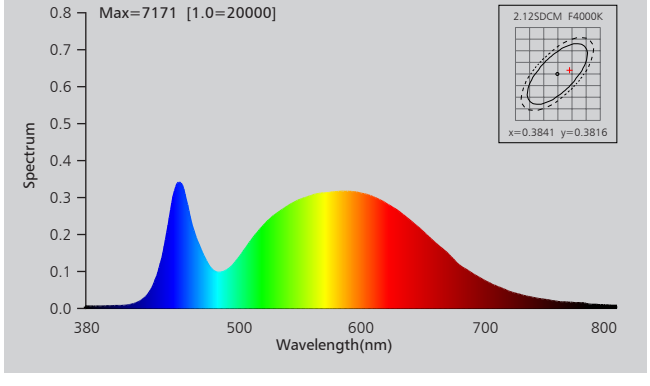
2700K



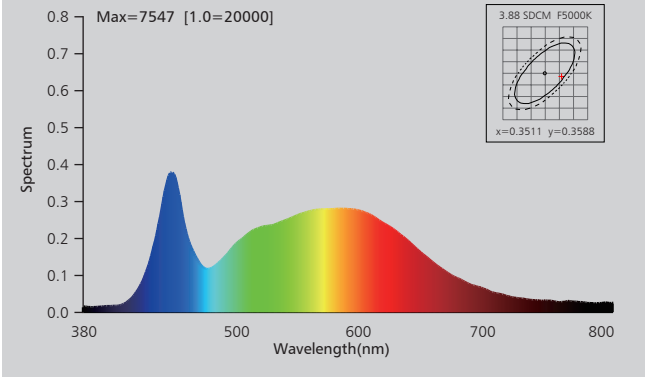
3000K



4000K

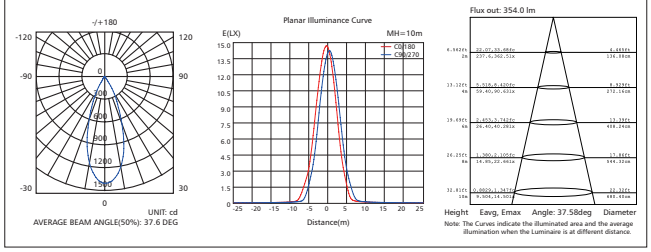


5000K

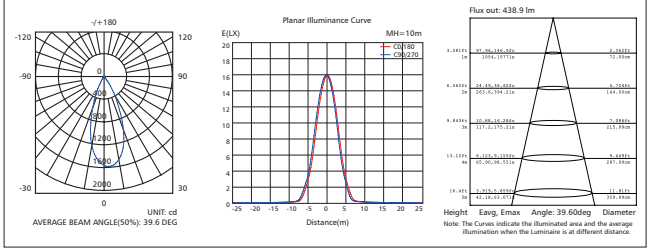


Photometric Diagram

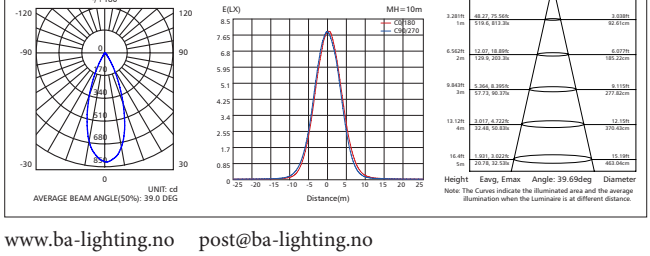
2700K



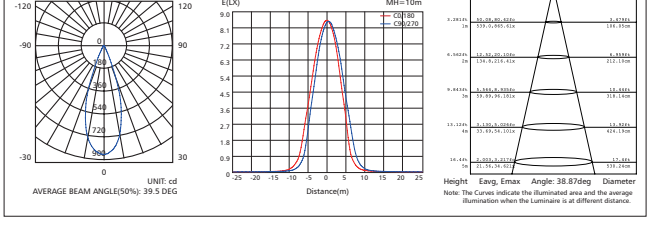
3000K



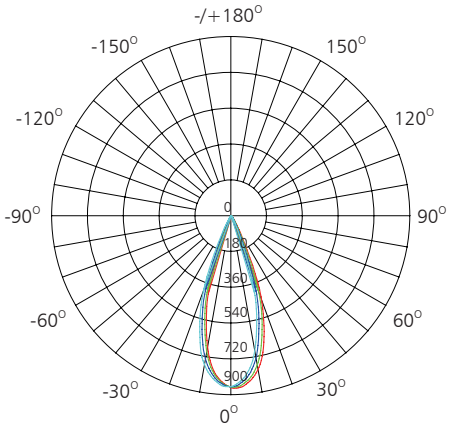
4000K



5000K



Polar Diagram Comparison



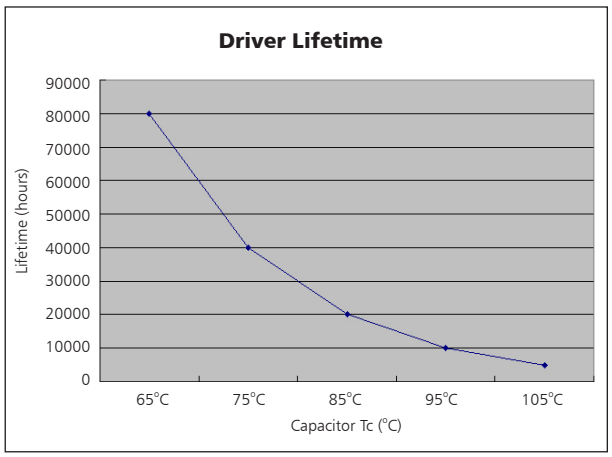
UNIT: cd

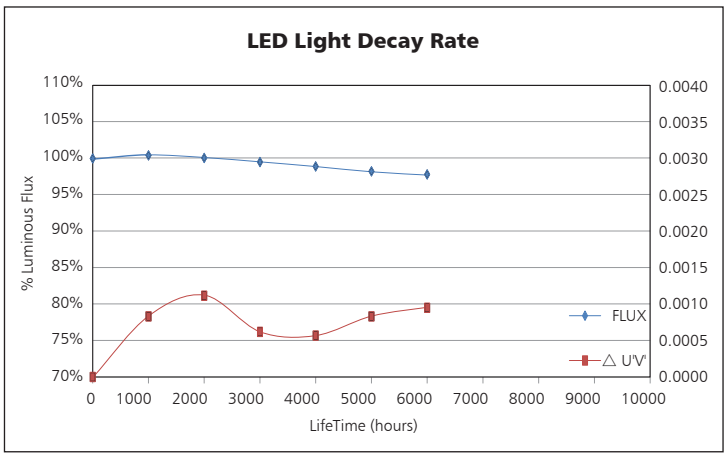
- C0/180, 39.5 deg
- C30/210, 39.2 deg
- C60/240, 39.5 deg
- C90/270, 38.6 deg

AVERAGE BEAM ANGLE (50%): 39.5 DEG



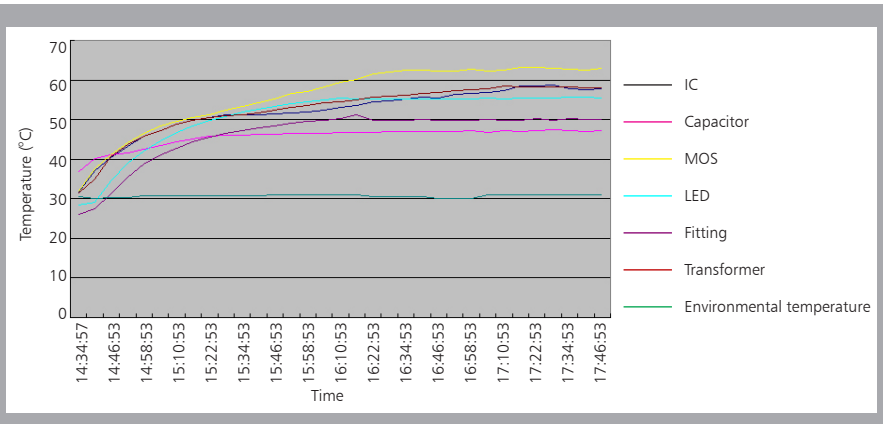
Driver lifetime & LED light decay rate





Temperature

- The testing is operated at 25°C
- The lifetime of capacitor, minimum of 5,000 hours if operated at 105°C, will be doubled whenever the temperature drops 10°C
- The highest withstand temperature of IC, MOS could be 120°C
- The highest withstand temperature of LED junction temperature is 150°C

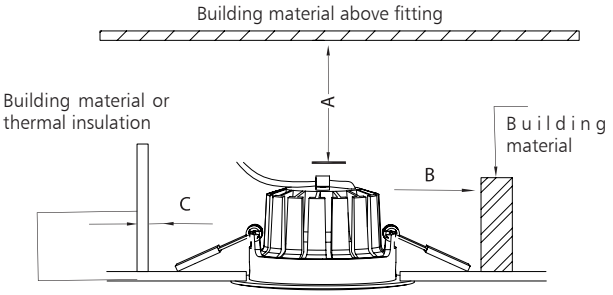


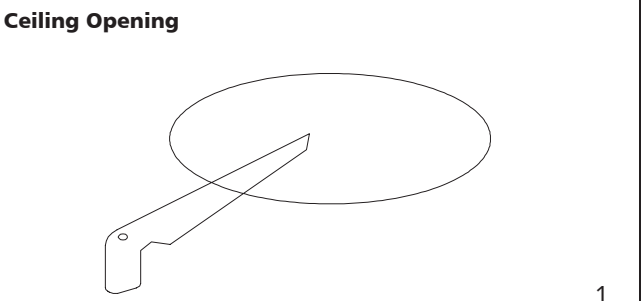


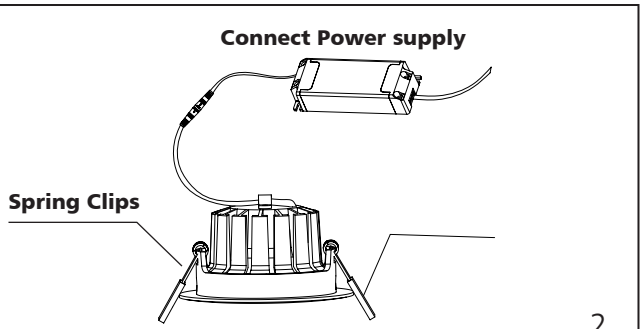
The driver lifespan is based on capacitor working temperature.

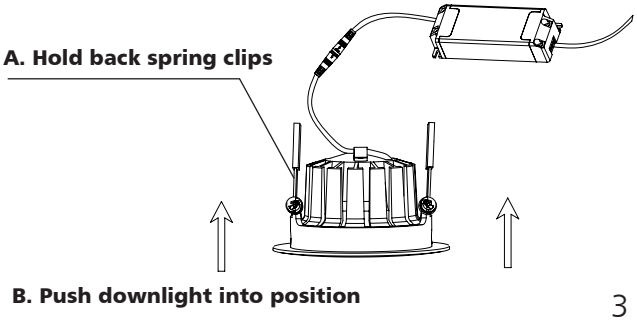
Installation

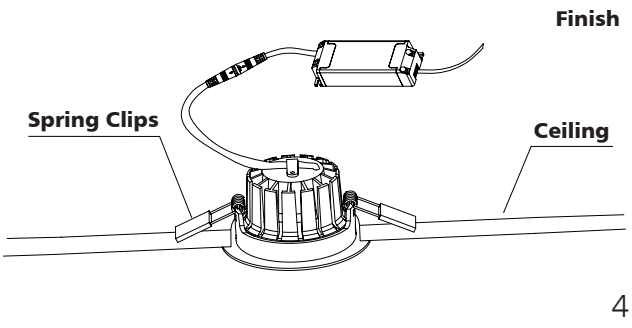
Install requirements	
A-gap above the fitting	25mm
B-gap to the building material	25mm
C-gap to the thermal insulation	25mm







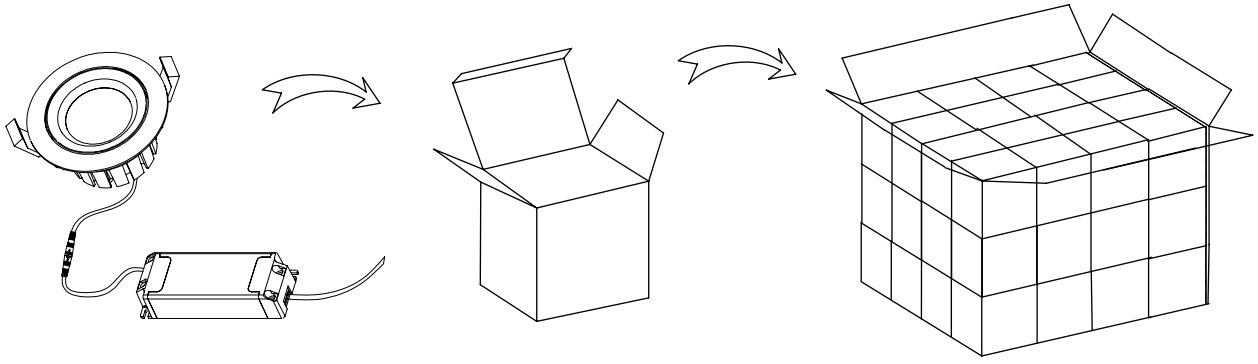




Packaging Information

	SIZE(CM)	N.W/pc (KGS)	G.W.(KGS)	Q'TY(PCS)
Carton	46*46*29.5	0.34	17	48

	CTNS	Q'TY(PCS)	VOLUME(CBM)
20" standard container	441	21168	28
40" standard container	882	42336	56



www.ba-lighting.no post@ba-lighting.no Tlf.: 37 16 04 00
Holthesvei 2, 4848 ARENDAL