DF Series

7-50W LED Downlight

BESUN DF series downlight is a revolutionary new product which developed based on our 7years professional experiences. The performance is superior to our old “D” series downlights

DF Series;
Patented designs (6 patents)

Support almost all the famous light source;
Perfectly compatible with the same light fixture, same size, but different light source.

Completely free solder assembling;
Replace any accessories perfectly without Soldering Tools

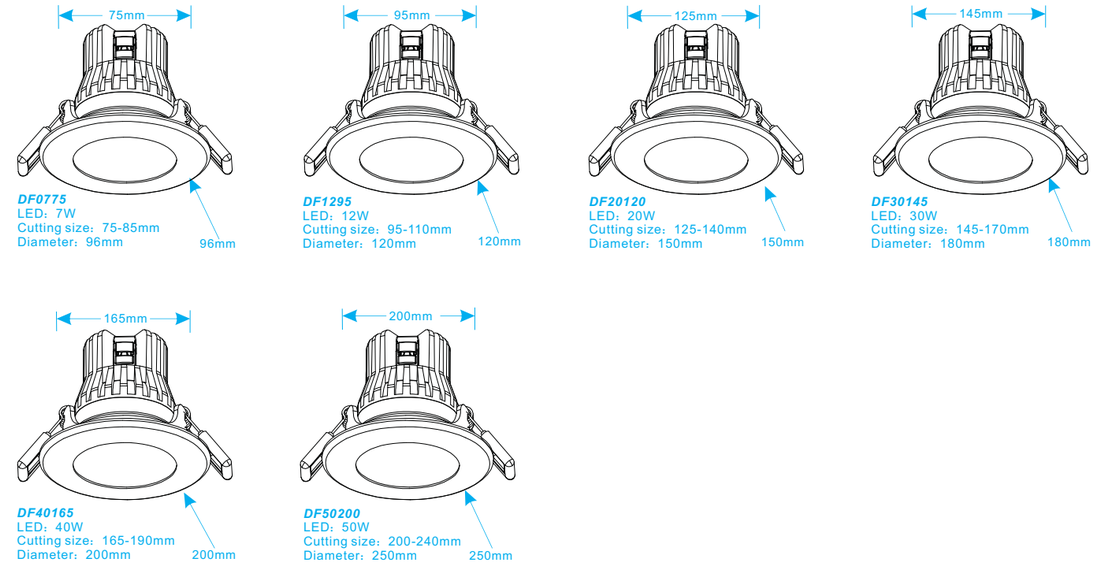
Perfect secondary optical design;
Beautiful light spot for wide/medium/small beam angle.

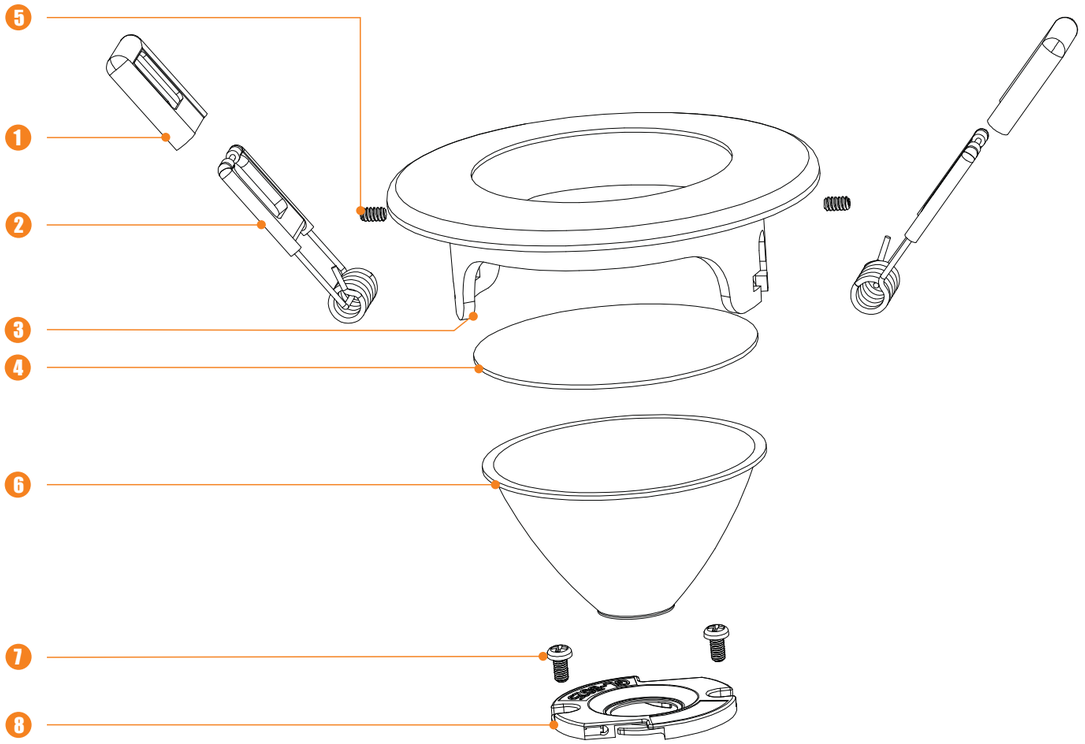
最高IP等级IP33

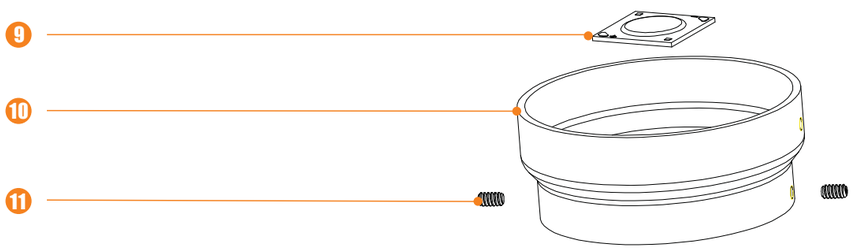
Greatly enhance the cold lumens;
136lm/W under CRI>90 & 3000K.

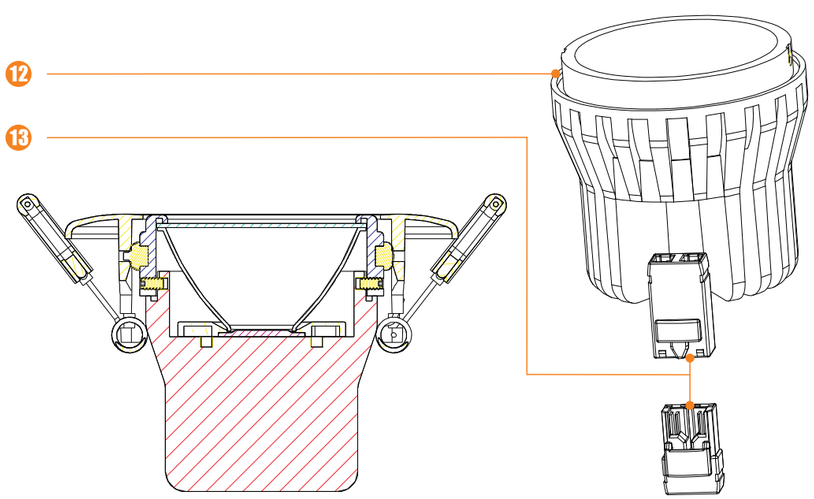
Non-flicker Driver;
Suport Triac dim; 1-10V dim; Dali dim; Wifi dim, etc.

5years warranty









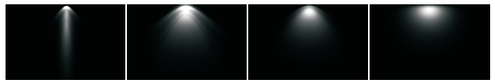
1 Silicone spring cover to protect hands and paint

2 High-performance springs has passed salt spray test, corrosi-on resistance test, and anti-decay, ensure no deformation in 10 years.

3 Various color housing optional: white, silver, black, golden, etc.

5 Anti-disassembly screw

6 Pure aluminum reflective cup,Anodizing, anti-corrosiveness and anti-aging, which is different from electroplating plastic cup.
Optional beam angle : 15°-110°



7 full tempered glass,even if broken, it will not endanger your safety. Optional glass: clear glass, frosted glass, middle-frosted glass.

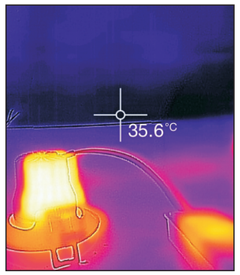
9 Disassemble screws of light source

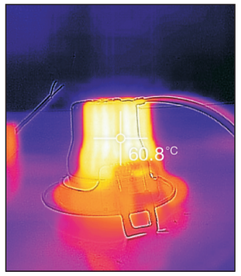
9 Free soldering LED connector (patented design)

10 黑色连接环

11 Anti-disassembly screw

12 The passive radiator with superior heat dissipation under -40-55℃ working environment. (L-80 temperature measuring point of light source is 25℃, 65℃ and 85℃)





11 Optional LED

BESUN(COB)

CREE(COB)

CUTIZEN(COB)

SHARP(COB)

13 Recessed anti-pull-off connector (patented design)
Recessed connector design ensure the maximum installation space of the lamp, The connector deviate less than 1.5mm under 10r pull; the lamp and driver can be easily connected or replaced without soldering.

7W COB LED DOWNLIGHT

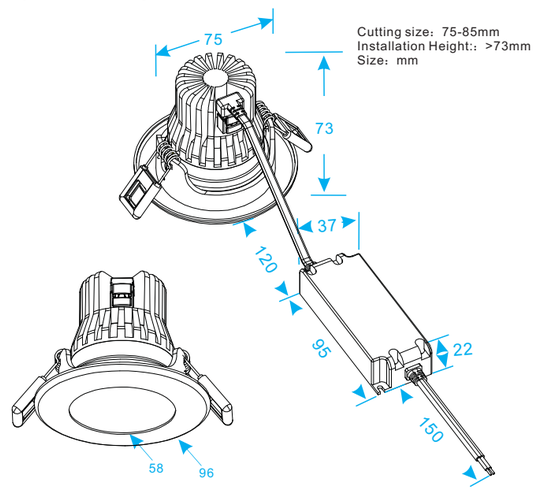
CE RoHS FC V0 ERP

DF0775S

NETWEIGHT	CUTTINGSIZE	PACKING	PACKING
0.32 Kg	75-85mm	10.5x10.5x13CM 1 pc	43.5x43.5x36CM 48 pc

DF0775S is a perfect replacement of our D0675, except the same cutting size "75mm", all of the other data and performances are superior than old model.

- **Support almost all the famous light source;**
  Perfectly compatible with the same light fixture, same size, but different light source.
- **Completely free solder assembling;**
  Replace any accessories perfectly without Soldering Tools
- **Perfect secondary optical design;**
  Beautiful light spot for wide/medium/small beam angle.
- **Physically waterproof and dustproof;**
  The highest IP rating reaches IP54
- **Greatly enhance the cold lumens;**
  136lm/W under CRI>90 & 3000K.
- **Non-flicker Driver;**
  Suport Triac dim; 1-10V dim; Dali dim; Wifi dim, etc.
- **5 years warranty**



Application:
DB series downlights are widely used as indoor main illumination lighting in
household, hotel, restaurant, shopping mall, bar, KTV, cabinet, office, meeting room, library, museum, exhibition etc...

● Standard ○ Optional – Unsupported "E" Economy type "S" Standard type

LED	BESUN	BESUN	CREE	CITIZEN	SHARP
Brand	● B20151305(S) ○ B20151308(S)	B20151202(E)	● CXA1507	● 026-1202C1	GW6NGWJCSOC
PCB	ceramic	ceramic	ceramic	aluminum	ceramic
CRI	● 90 R9>50 ○ other	● 90 R9>50 ○ other	● 80 R9>0 ○ 90 R9>50	● 90 R9>50 ○ other	● 95 R9>50
Power(W)	7	7	7	7	0.5-7
Voltage (V)	36V	36V	34.6	36V	36V
Features	136lm/w	114lm/w	CREE	116lm/w	CCT Dimmable
CCT;LM/W 27=2700K 35=3500K	CCT / LM/W ● 27 126 ● 30 136 ● 40 145 ○ 50 146 ○ 60 144 ○ other CRI>90	CCT / LM/W ○ 27 105 ● 30 114 ● 40 122 ○ 57 125 ○ 65 123 ○ other CRI>80	CCT / LM/W ● 27 120 ● 30 120 ○ 35 130 ● 40 130 ○ 50 130 ○ other CRI>80	LM/W ● 27 117 ● 30 122 ○ 35 125 ● 40 126 CRI>90	LM/W / W ● 20 69 1.5W ● 25 80 3.3W ● 27 84 4.9w ● 28 84 6.6w CRI>95

LED chip quantity	13*5	12*2	12*2	12*2	12*2
Certificates	L-80	-	L-80	L-80	L-80
Current Rating(mA)	200				
Color difference	<4				

● Standard ○ Optional – Unsupported "E" Economy type "S" Standard type

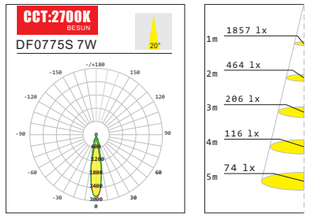
Driver	NO-DIM	DIM	Dali/Push-Dim	1-10V/Push-Dim	WIFI (intelligent)
Brand	● Lifud(S) ● 200-240VAC GIR010YS ○ 100-277VAC GIR007YA ○ Ideas(E) ○ 200-240VAC LPX-M3DU-36V200	● Eaglerise(S) ● 200-240VAC ELP009C0200LSD1 ○ 90-120VAC ENP009C0200LSD1 ○ Ideas(E) ○ 200-240VAC LPA-B3FK-36V200	● Easeic 100-240VAC LND118	● Easeic ● 100-240VAC LNA118	● LTECH ● 12-48VDC WIFI104 R R4-5A R4-CC T1 T2 T2M T3 T3M
DC Output	27-42V/200mA	27-42V/200mA	27-42V/180mA	27-42V/180mA	12-48V 1-1400mA
PF/PE	GIR010YS 0.95/83% GIR007YA 0.8/83% LPXM3DU 36V200 0.5/78%	ELP009C0200 LSD1 0.9/80% ENP009C0200 LSD1 0.95/75% LPA-B3FK-36 V200 0.95/75%	0.9/80%	0.9/80%	/
Flickering	GIR010YS NO GIR007YA yes LPXM3DU 36V200 NO	ELP009C0200 LSD1 NO ENP009C0200 LSD1 NO NO	yes	yes	/
Certificates	GIR10YS(A) CE CB GS RCM SAA CCC GIR007YA CE LPXM3DU36V200 CE TUV SAA	ELP009C0200LSD1 CE SAA ENP009C0200LSD1 CUL UL:8750 LPXM3DU36V200 CE SAA	LND118 CE CUL SAA	LNA118 CE CUL SAA	/ CE ROHS FCC

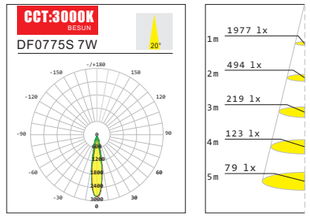
● Standard ○ Optional

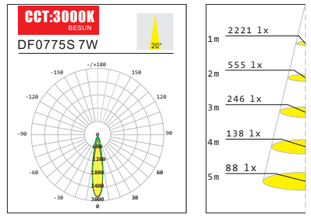
The lamp working voltage with different light source is corresponds to the driver working voltage

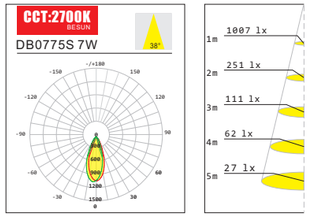
Lamp	BESUN	BESUN	CREE	CITIZEN	SHARP
Item No.	● DF0775S	● DF0775E	● DF0775S	● DF0775S	● DF0775S
Warranty	● 5 years	● 3 years	● 5 years	● 5 years	● 5 years
System Consumption(W)	8.5	8.5	8.5	8	1-9
Beam Angle	20°/38°/55°/110°	20°/38°/55°/110°	15°/38°	15°/38°	38°
UGR	19-35	19-35	18-19	18-19	19
Soldering technology	● Free soldering	● Free soldering	● Free soldering	● Free soldering	–
	CE RoHS FCC V0 ERP LM-79	CE RoHS FCC V0	CE RoHS FCC V0 ERP LM-79	CE RoHS FCC V0 ERP LM-79	CE RoHS FCC V0 ERP LM-79
Working environment	-40°-55°				
IP grade	● Ip33				
Color of Housing	● W ○S ○B ○V				
optical data	.IES/.CIE/.CEN/.Tm14/.CIB/.LDT				
system lm/w 30=3000K 35=3500K	CCT / LM/W / 55° ● 27 084 ● 30 091 ● 40 097 ○ 50 098 ○ 60 098 ○ other CRI>90	CCT / LM/W / 55° ○ 27 068 ● 30 073 ● 40 081 ○ 57 083 ○ 65 083 ○ other CRI>90	CCT / LM/W / 38° ● 27 74 ● 30 78 ○ 35 80 ● 40 82 ○ 50 86 ○ other CRI>80	CCT / LM/W / 38° ● 27 71 ● 30 74 ○ 35 80 ● 40 84 CRI>90	LM/W / W ● 20 46 1.8 ● 25 52 4 ● 27 55 6 ● 28 55 9 CRI>95

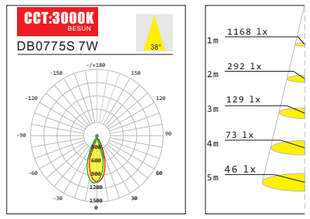
BESUN LED Standard

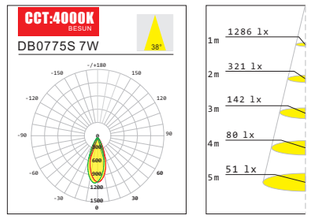


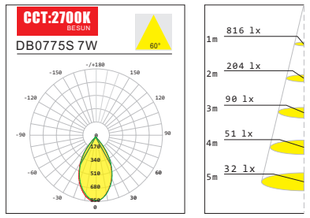


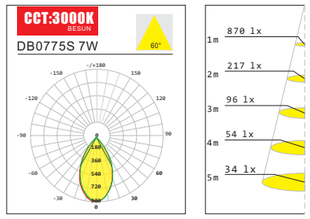


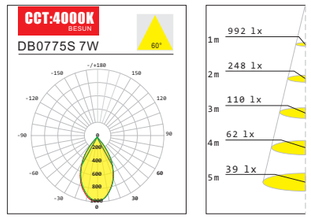


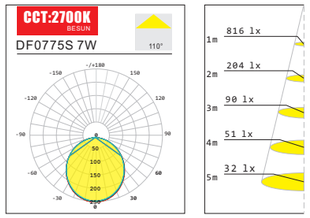


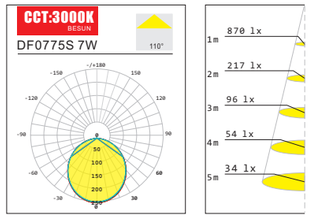


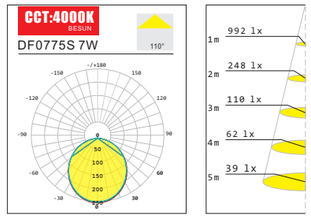




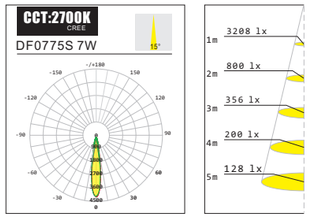


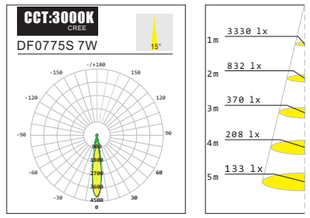


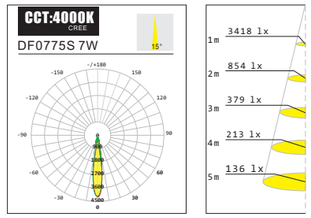


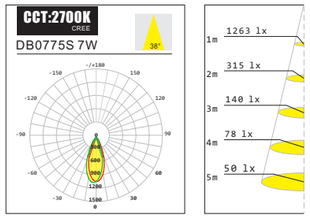


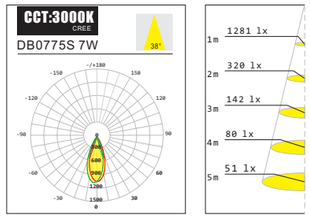
CREE LED Standard

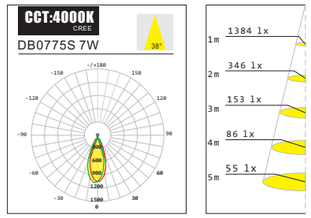




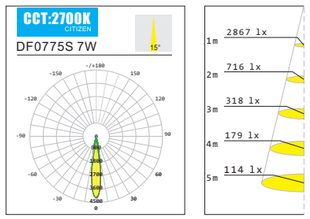


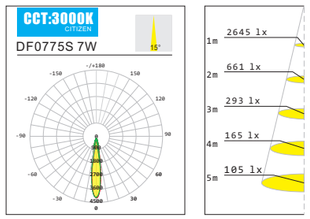


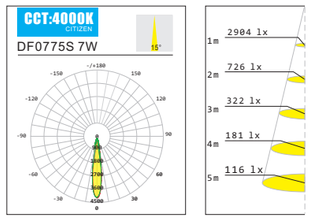




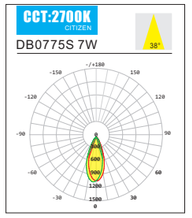
CITIZEN

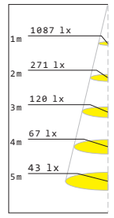


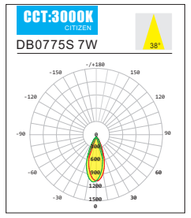


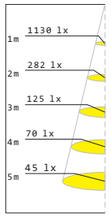


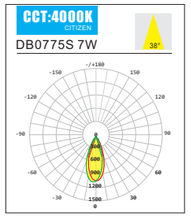
Standard

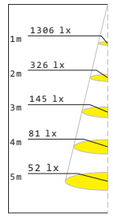










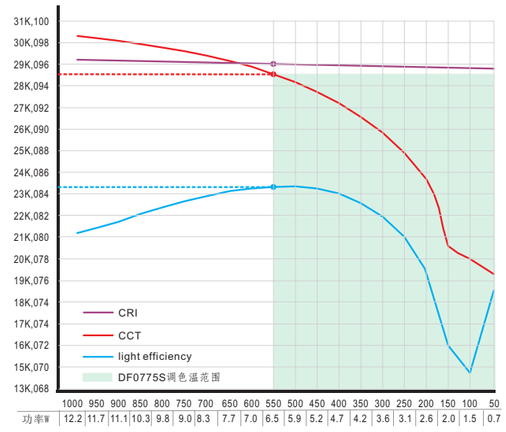


CCT/主要参数		BESUN DB0775S				BESUN DB0775E				CREE DB0775S		CITIZEN DB0775S	
2700K	Angle(°)	19.6°	38.5°	55.5°	107.2°	20°	38.7°	54.7°	109°	16.3°	35.9°	16.3°	36.5°
	RA	>90	>90	>90	>90	>90	>90	>90	>90	>80	>80	>90	>90
	LM	606	593	691	570	531	509	586	494	635	628	574	570
	UGR	19.7	20.9	22	35.3	19.6	21.2	23	35.3	17.8	19.6	19.7	19.7
3000K	Angle(°)	19.5°	38.8°	54.9°	107.2°	19.1°	38.5°	55.5°	107.6°	16.4°	36.1°	16.2°	36.4°
	RA	>90	>90	>90	>90	>90	>90	>90	>90	>80	>80	>90	>90
	LM	642	639	736	600	556	547	631	516	647	643	609	598
	UGR	19.8	21.1	21.6	35.2	19.9	21.2	22.1	35.1	18.2	19.7	18.2	19.9
4000K	Angle(°)	19.8°	38.8°	55.2°	107.5°	20.1°	38.5°	55.2°	107.8°	16.4°	36.1°	16.4°	36.2°
	RA	>90	>90	>90	>90	>90	>90	>90	>90	>80	>80	>90	>90
	LM	694	684	792	651	621	577	706	571	698	675	663	650
	UGR	19.6	21.2	22.4	35.4	19.3	21.5	22.4	35.2	17.9	18.2	18.2	20.1
5000K	Angle(°)	19.6°	38.8°	55.6°	108.8°	19.7°	38.8°	55.6°	108.5°	-	-	-	-
	RA	>90	>90	>90	>90	>90	>90	>90	>90	-	-	-	-
	LM	696	691	798	652	614	601	708	575	-	-	-	-
	UGR	19.4	21.0	21.9	35.4	19.7	21.1	21.9	36.7	-	-	-	-
6000K	Angle(°)	19.6°	38.8°	55.5°	109.2°	19.3°	38.5°	55.5°	109°	-	-	-	-
	RA	>90	>90	>90	>90	>90	>90	>90	>90	-	-	-	-
	LM	716	708	819	683	611	595	693	579	-	-	-	-
	UGR	20.1	21.4	22.1	33.5	19.7	21.3	22.1	34.8	-	-	-	-

Triac dimmer compatibility

型号规格 / 品牌	型号规格	产品图片
CLIPSAL	***32E450UDM*** 220-240VAC 50Hz MAX:450W	
CLIPSAL	***32E450ULM*** 220-240VAC 50Hz MAX:450W	
JUNG	***225NV DE*** 220-240VAC 50Hz MAX:20-500W	
GIRA	***226200/I01*** 220-240VAC 50Hz MAX:20-500W	
BERKER	***2873*** 220-240VAC 50Hz MAX:20-500W	

调色温筒灯数据图



— CRI — CCT — light efficiency DF0775S调色温范围

31K, 100=3100K色温=100等级显色指数和100等级光效.

1000=1000LM 950=950LM 900=900LM.....