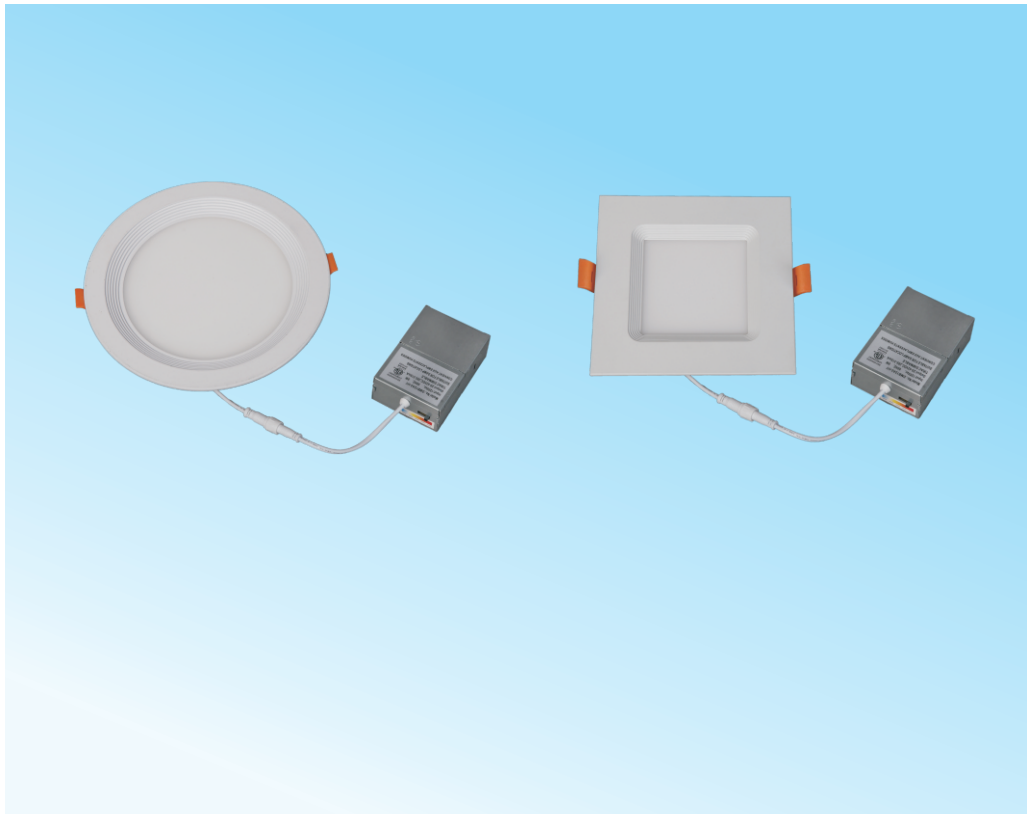




HONGYAO Lighting

Specification Sheet

LED Canless Recessed Baffle Downlight



Zhejiang Hongyao Lighting Electrical Co., Ltd

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SPECIFICATIONS

FEATURE

- The lamp body is made of aluminum alloy die casting, with high strength and good heat dissipation
- The stair sinking structure design that makes the light surface at the bottom of the lamp plane can increase the light shading Angle of the downlight and form a secondary diffuse reflection at the light outlet to effectively prevent glare
- The light guide plate is made of optical PMMA material, with high light efficiency
- Square type and round type respectively have 3"、4"、6"、8", the whole system has a total of 8 specifications for customers to choose
- Install ceiling openings with square and round downlights of the same specification, the same way of hole opening
- The LED fixture is Triac dimming or 0-10V Dimming
- Featuring tunable White Color Temperature: 2700K,3000K,3500K,4000K and 5000K
- WARRANTY--5-year limited warranty



APPLICATION

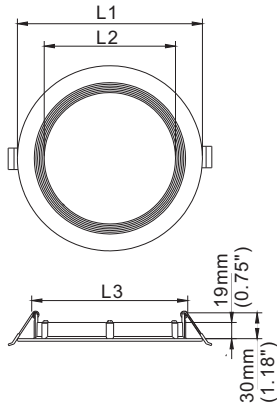
- Commercial; Residential; hospitality

SPECIFICATIONS

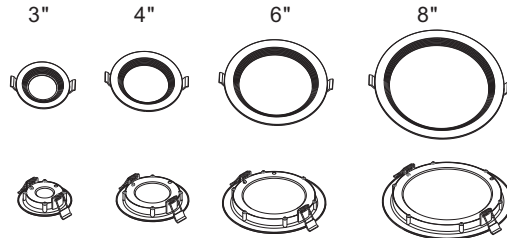
Model No.	HY-BFDL-R3-6W-5CCT	HY-BFDL-R4-9W-5CCT	HY-BFDL-R6-12W-5CCT	HY-BFDL-R8-18W-5CCT
Size:	3" Round	4" Round	6" Round	8" Round
Model No.	HY-BFDL-S3-6W-5CCT	HY-BFDL-S4-9W-5CCT	HY-BFDL-S6-12W-5CCT	HY-BFDL-S8-18W-5CCT
Size:	3" Square	4" Square	6" Square	8" Square
Power:	6W	9W	12W	18W
Input Voltage:	120V AC			120-277V AC
Dimming	Triac Dimmable			0-10V Dimming
Lumens	480LM	720LM	960LM	1440LM
Protection Rating	Ip20 (For Indoor Use Only)			
Power Factor:	>0.7			
Beam Angle	110°			
CCT:	5CCT (2700K/3000K/3500K/4000K/5000K)			
Ra:	>80			
Working Life:	Lumen Maintenance over 70% @ 50,000+ Hours			
Oper. Temperature	-13°F ~+113°F / -25°C ~+45°C			
Certification	ETL/ ENERGY STAR			



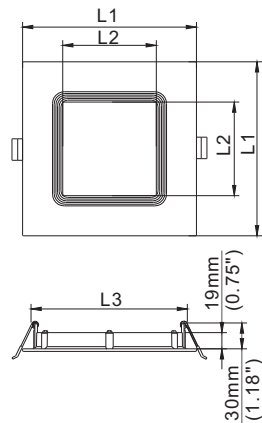
PRODUCT DIMENSIONS



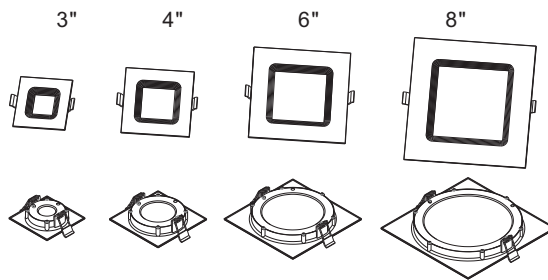
Model No.	HY-BFDL-R3-6W-5CCT	HY-BFDL-R4-9W-5CCT	HY-BFDL-R6-12W-5CCT	HY-BFDL-R8-18W-5CCT
L1	Ø 95mm (Ø 3.74")	Ø 128mm (Ø 5.04")	Ø 182mm (Ø 7.17")	Ø 228.5mm (Ø 8.996")
L2	Ø 50mm (Ø 1.97")	Ø 81mm (Ø 3.19")	Ø 129mm (Ø 5.08")	Ø 175mm (Ø 6.89")
L3	Ø 77mm (Ø 3.03")	Ø 104mm (Ø 4.09")	Ø 153mm (Ø 6.02")	Ø 199mm (Ø 7.83")



On the back



Model No.	HY-BFDL-S3-6W-5CCT	HY-BFDL-S4-9W-5CCT	HY-BFDL-S6-12W-5CCT	HY-BFDL-S8-18W-5CCT
L1	94.5mm (3.72")	121mm (4.76")	171mm (6.73")	217mm (8.54")
L2	37mm (1.46")	57.5mm (2.26")	92mm (3.62")	125mm (4.92")
L3	Ø 77mm (Ø 3.03")	Ø 104mm (Ø 4.09")	Ø 153mm (Ø 6.02")	Ø 199mm (Ø 7.83")

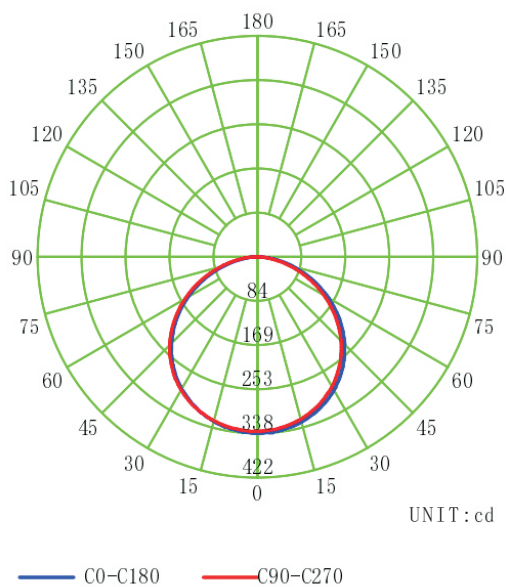


On the back

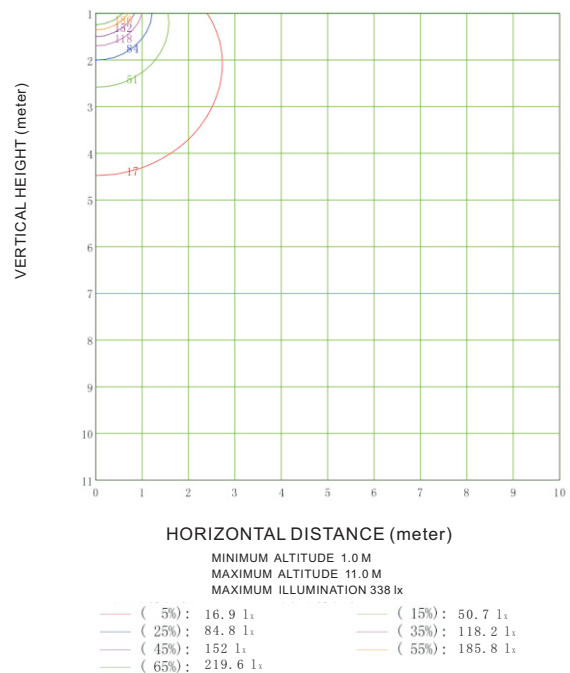
PHOTOMETRIC REPORT

12W 6" Round LED Downlight

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



VERTICAL EQUILUMINOUS CURVE



ORDERING GUIDE

Round Shape

Package Information				
Model No.	HY-BFDL-R3-6W-5CCT	HY-BFDL-R4-9W-5CCT	HY-BFDL-R6-12W-5CCT	HY-BFDL-R8-18W-5CCT
Size	3" Round	4" Round	6" Round	8" Round
Qty/Pack	24 PCS	24 PCS	24 PCS	24 PCS
Package Size	500X215X220mm	500X290X295mm	490X400X405mm	490X495X500mm
	19.69"X8.46"X8.66"	19.69"X11.42"X11.61"	19.29"X15.75"X15.95"	19.29"X19.49"X19.69"
Package Weight	8.1 kg/17.86 lbs	9.7 kg/21.38 lbs	13.3 kg/29.32 lbs	17.2 kg/37.92 lbs
Package CBM	0.02365	0.042775	0.07938	0.121275

Square Shape

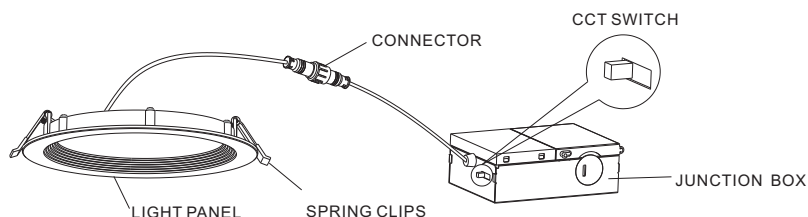
Package Information				
Model No.	HY-BFDL-S3-6W-5CCT	HY-BFDL-S4-9W-5CCT	HY-BFDL-S6-12W-5CCT	HY-BFDL-S8-18W-5CCT
Size	3" Square	4" Square	6" Square	8" Square
Qty/Pack	24 PCS	24 PCS	24 PCS	24 PCS
Package Size	500X215X220mm	500X280X285mm	480X377X382mm	490X472X477mm
	19.69"X8.46"X8.66"	19.69"X11.02"X11.22"	18.9"X14.84"X15.04"	19.29"X18.58"X18.78"
Package Weight	8.6 kg/17.86 lbs	10.3 kg/22.71 lbs	14 kg/30.86 lbs	17.9 kg/39.46 lbs
Package CBM	0.02365	0.00399	0.069127	0.110321

ORDERING CODE DEFINITION

Company Code	Product	Shape Size		Watt	CCT
HY	BFDL: LED Canless Recessed Baffle Downlight	R3:Round 3"	S3:Square 3"	6W	5CCT: 2700K/3000K/3500K/4000K/5000K
		R4:Round 4"	S4:Square 4"	9W	
		R6:Round 6"	S6:Square 6"	12W	
		R8:Round 8"	S8:Square 8"	18W	

INSTALLATION INSTRUCTION

Product Introduction



Maintenance

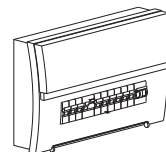
1. Do not modify this fixture. Any modifications may render the product unsafe and void warranty.
2. This product is suitable for damp locations.

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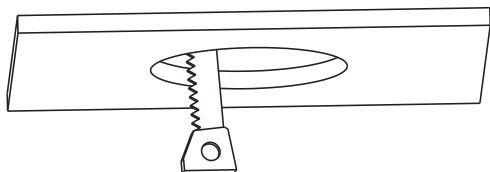

WARNING:

1. Switch off before installation.
2. Switch on only after complete installation and examination of the circuit.



**Turn off
Power Supply**

1. Determine the location for installation and cut ceiling hole in accordance with cut-hole dimensions.
Refer to Hole Diameter table for appropriate sizes. (Fig. 1)
2. On the side of the junction box, select the light color temperature:
2700K-3000K-3500K-4000K-5000K .(fig.2)
3. Remove the appropriate knockout(s) on the side panel (Fig. 2).
4. Insert the electrical supply cable through the knockout and secure with a cable connector (sold separately).
5. Using quick-connect push-in terminals, connect the ground wire to the green wire terminal; black wire to black wire terminal; white wire to white wire terminal. (Fig. 2)
6. Place all wiring and connections back in to the box and close the cover. Connect the driver to the light panel.
7. Insert junction box through the mounting hole. (Fig. 3)
8. Push spring-loaded clips on the fixture upwards and insert fixture base in to the mounting hole. Release the clips and fixture will be pulled flush to the ceiling. (Fig. 4)

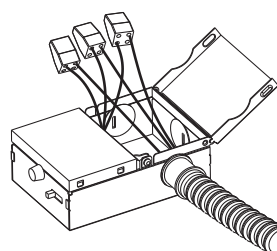
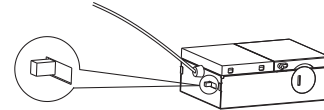
1

HOLE DIAMETER

3" DOWNLIGHT	3.15" (80mm)
4" DOWNLIGHT	4.33" (110mm)
6" DOWNLIGHT	6.30" (160mm)
8" DOWNLIGHT	8.07" (205mm)

NOTE: Install ceiling openings with square and round downlights of the same specification, the same way of hole opening

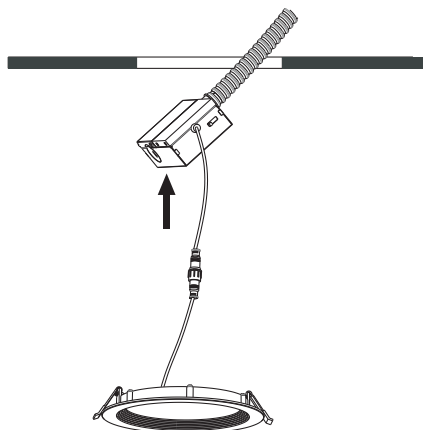
2

2700K/3000K/3500K/4000K/5000K


JUNCTION BOX

AC-L (Black) → AC-L (Black)
AC-N (White) → AC-N (White)
GND (Green) → GND (Green)

metal tube

3

4
