



HONGYAO Lighting

Specification Sheet

- LED FIREPROOF DOWN LIGHT -



Zhejiang Hongyao Lighting Electrical Co., Ltd

No.209 Shennan Rd. Da Yang Jie Dao, Linhai City. Zhejiang China 317000 www.chongyao.com
Trading@chongyao.com Tel: +86 576-85381918 Fax:+86 576-85381913

SPECIFICATIONS
FEATURE

- Body: aluminum alloy die casting process, high strength, good heat dissipation
- Use metal hose in compliance with safety regulations to protect the connecting wire between drive and lamp body, which can prevent the fire risk caused by wire cutting and rat bite
- High luminous efficiency, good color
- Featuring tunable White Color Temperature: 2700K, 3500K, 4000K, 5000K and 6500K
- Diffusers: High light transmittance polycarbonate
- The LED fixture is Triac dimming
- WARRANTY--5-year limited warranty


APPLICATION

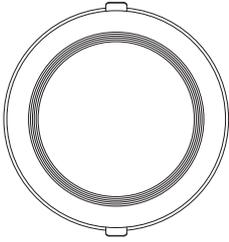
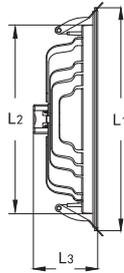
- Commercial; Residential; hospitality

SPECIFICATIONS

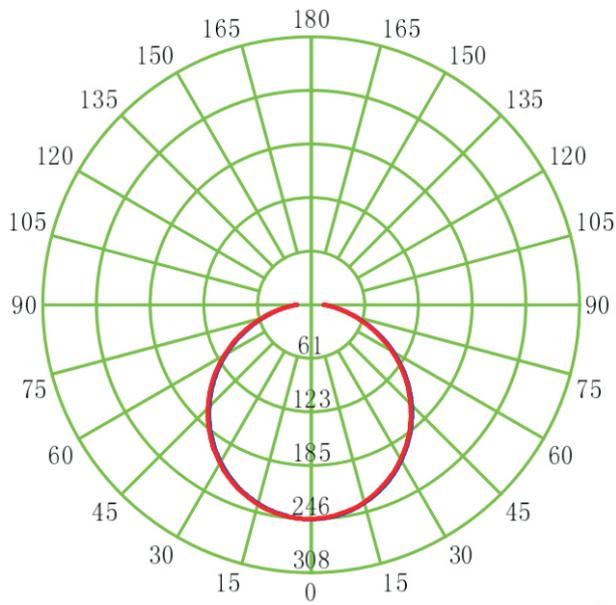
Model No.	HY -FPDL-R4-12W-5CCT	HY -FPDL-R6-18W-5CCT	HY -FPDL-R8-24W-5CCT
Power:	12W	18W	24W
Size:	4"	6"	8"
Input Voltage:	120 VAC		
Lumens	960LM	1440LM	1920LM
Dimming	Triac dimming		
Protection Rating	IP20 (For Indoor Use Only)		
Beam Angle	120°		
CCT:	5CCT Tunable (2700K/3500K/4000K/5000K/6000K)		
CRI:	>80		
Working Life:	Lumen Maintenance over 70% @ 50,000+ Hours		
Oper. Temperature	-13°F ~+113°F / -25°C ~+45°C		
Certification	UL		

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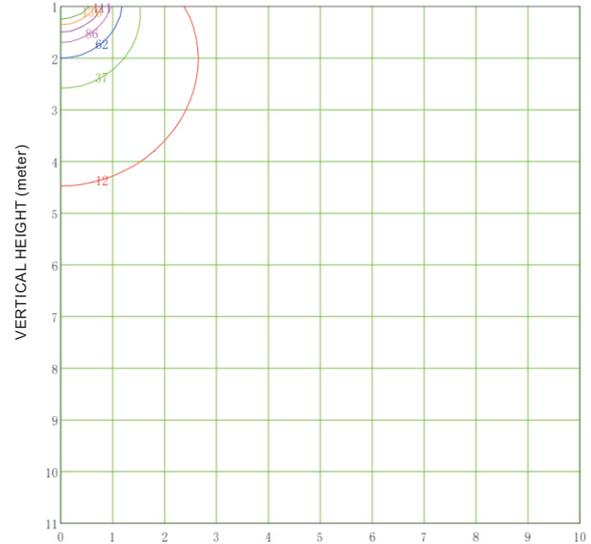
PRODUCT DIMENSIONS
Front View

Side View


Model No.	HY-FPDL-R4-12W-5CCT	HY-FPDL-R6-18W-5CCT	HY-FPDL-R8-24W-5CCT
Side			
L1	Φ127mm/Φ5"	Φ192mm/Φ7.56"	Φ225mm/Φ8.86"
L2	Φ105mm/Φ4.13"	Φ167mm/Φ6.57"	Φ201mm/Φ7.91"
L3	53mm/2.09"	55mm/2.17"	55mm/2.17"

PHOTOMETRIC REPORT
4" LIGHT
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM


C0-C180

C90-C270

VERTICAL EQUILUMINOUS CURVE

HORIZONTAL DISTANCE (meter)

 MINIMUM ALTITUDE 1.0 M
 MAXIMUM ALTITUDE 11.0 M
 MAXIMUM ILLUMINATION 246.7 lx

(5%): 12.3 lx	(15%): 37.0 lx
(25%): 61.7 lx	(35%): 86.3 lx
(45%): 111.0 lx	(55%): 135.7 lx
(65%): 160.3 lx	

**ORDERING GUIDE**

Package Information			
Model No.	HY -FPDL-R4-12W-5CCT	HY -FPDL-R6-18W-5CCT	HY -FPDL-R8-24W-5CCT
Size	4"	6"	8"
Qty/Pack	20PCS	10PCS	10PCS
Package Size	530X320X325mm	530X430x230mm	530X505x265mm
	20.9"X12.6"X12.8"	20.9"X16.9"X8.8"	20.9"X19.9"X10.4"
Package Weight	kg/ lbs	kg/lbs	kg/ lbs
Package CBM	0.05512	0.070927	0.045785

ORDERING CODE DEFINITION

Company Code	Product	Size	Watt	5CCT
HY	FPDL: LED FIREPROOF DOWN LIGHT	R4: 4" R6: 6" R8: 8"	12W 18W 24W	5CCT Tunable 2700K/3500K /4000K/5000K /6000K

WARNING

Failure to install and wire fixture in accordance with the National Electrical Codes(NEC), all applicable Federal, State and Local electrical codes, as well as specific U.L. Safety standards for the intended working environment (location/application), may cause serious personal injury, death and or property damage. This product must be installed by a person familiar with the construction and operation of the product and the hazards involved.

For 120V 60Hz use only. Risk of fire and electrical shock, most dwellings built before 1985 have supply wires rated 60C. Consult a qualified electrician before installing. IF supply wires are located within 3 inches of the ballast, use wires rated at least 90°C.

The LED fixture is Triac dimming

- CAUTION:

TURN OFF POWER FROM THE MAIN CIRCUIT BEFORE INSTALLING FIXTURE. Make sure fixture is grounded per National Electrical Codes(ec). This fixture is suitable for damp locations.

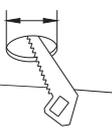
- IMPORTANT NOTE:

The safe guards and instructions appearing in the page are not meant to cover all possible conditions and situations that may occur. It may be understood that common sense, cautions and care are factors which cannot be built into any product, The person(s) installing, operation and responsible for the light fixture, must execute. these factors.

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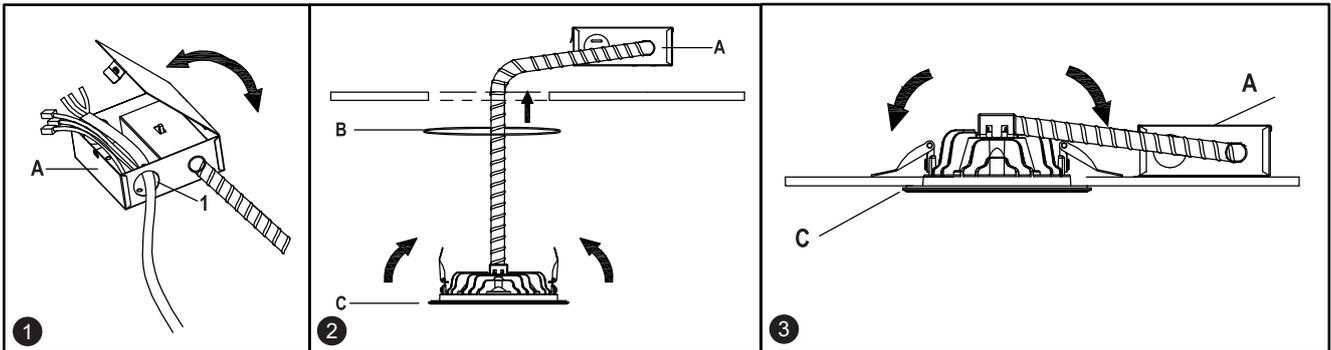
INSTALLATION INSTRUCTION

First open the holes in the ceiling to the required size

Ceiling	Hole Cut Size
	4" DOWNLIGHT: $\phi 4.13"$ (105mm)
	6" DOWNLIGHT: $\phi 5.57"$ (142mm)
	8" DOWNLIGHT: $\phi 7.91"$ (201mm)

Installation Steps:

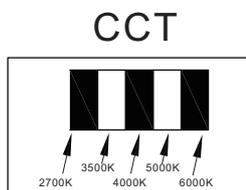
- Unplug the connector cable separating the junction box (A) from the light panel (C).
- Open the junction box (A) cover and remove the knockout (1) on the side panel
- Insert the electrical supply cable through the knockout (1).
- Using the quick-connect push terminals, connect the green ground wire from the junction box (A) to the ground wire from the supply circuit, the black wire from the junction box (A) to the black wire from the supply circuit, and the white wire from the junction box (A) to the white wire from the supply circuit.
- Secure the wire in the knockout hole using a cable clamp (not provided)
- Place all wiring and connections into the junction box (A) and close the cover.
- Insert the junction box (A) through the mounting hole
- Push the spring-loaded clips on the light panel (C) upward and insert the light panel base into the mounting hole. Release the clips. The light panel (C) will be pulled flush to the ceiling.
- For airtight installations, install the foam gasket (B) between the light panel (C) and the ceiling.



OPERATING GUIDE

1 CCT Adjustable

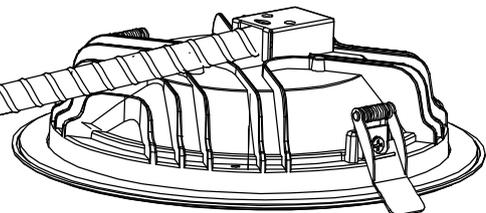
Select color and move the CCT switch. you can change the color temperature to: 2700k/3500k/4000k/5000k/6000k by the CCT switch (If CCT selectable applicable).



2 Wiring Guide

Black/Live
White/Neutral
Green/Earth

Turn power OFF from the electrical panel before starting installing



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