

Product specification

Product name: LED aluminum downlight

Product number: YZS-DW-TR-SMD-A18W

File Number: YZS2020111815

File date: 2020-11-18

开发部		
制 定	审 核	核 准
刘昇	李祥锋	冷奇俊

1. Product Features

1.1 introduction -----3

1.2 Product technical features -----3

1.3 Product parameter -----4

1.3.1 Product physical map -----4

1.3.2 Product parameter -----5

2. Instructions for use

2.1 Installation wiring diagram -----7

2.2 Installation Notes -----7

3. Environmental requirements -----8

4. Package instruction -----9

1. Features

1. 1

YZS-DW-TR downlight The series is a stable LED downlight set by the ON-COMPLEX, combined with the unique light distribution of the CREE series high-lumen lamp beads, can produce high-quality light, which is about 70% energy-saving than traditional metal halide light sources. Yzs--Dw-TR-sMD-A20w is equipped with die-cast aluminum all-aluminum shell material for heat dissipation, long life, low loss, and minimized light attenuation. It is very suitable for the local key lighting of high-end clothing stores, jewelry counters, cosmetics stores, ceramic bathroom exhibition halls, furniture stores, and other commercial places; the lamps are mainly composed of LED, aluminum alloy lamp body, high thermal conductivity aluminum substrate and high light transmission It is composed of a high-efficiency lens and a high-reliability and low-noise fan. The lens is made of Japanese Mitsubishi original material, the light transmittance is more than 95%, the lens angle can be customized according to the customer's illumination distance and spot size, and the projection distance is long; the aluminum substrate adopts Taiwan's high thermal conductivity aluminum substrate, and the LED layout fully considers heat dissipation and light distribution , With high efficiency and safety performance; the product picture is shown in the following figure:



1. 2 The product has the following technical characteristics:

1. 2. 1 High efficiency and energy saving-under the same brightness, the LED spotlight consumes only 18 kWh (18w) in a thousand hours.
1. 2. 2 Ultra-long life—the service life is more than 50,000 hours, and the service life of ordinary metal halide lamps is 1,000 hours.
1. 2. 3 Healthy light--the light does not contain ultraviolet and infrared rays, no radiation, ordinary metal halide light contains ultraviolet and infrared rays.
1. 2. 4 Green and environmental protection-it does not contain harmful elements such as mercury and lead, which facilitates recycling and utilization, and does not produce 3

Electromagnetic interference.

- 1. 2. 5 Protect eyesight—DC drive without flicker. (Ordinary lights are driven by AC, there must be stroboscopic).
- 1. 2. 6 The safety factor is higher-the required voltage, the current is small, the heat is small, and no safety hazard is generated.
- 1. 2. 7 Anti-mosquitoes-L-printed lamps have no ultraviolet rays and will not attract mosquitoes like traditional metal halide lamps, which is beneficial to maintaining indoor cleanliness.
- 1. 2. 8 Cold light source-LED 2835 is a cold light source, which does not generate radiant heat like a metal halide lamp, and has a good protective effect on clothing and makeup.
- 1. 2. 9 Fast start-up time-LED is a semiconductor device, the start-up time is milliseconds, while the start-up time of ordinary metal halide lamps is very slow.

1. 3 Product parameters

1. 3. 1 Product appearance drawing and size drawing





Technical parameter product 1. 3. 2

Product number	product name	power	size	Hole
YZS-DW-TR-SMD-3W	led all aluminum downlight	3W	Ø100	70
YZS-DW-TR-SMD-5W		5W	Ø100 / 115	70
YZS-DW-TR-SMD-7W		7W	Ø106 / 115	80
YZS-DW-TR-SMD-10W		10W	Ø106 / 145	80
YZS-DW-TR-SMD-12W		12W	Ø115 / 165	90
YZS-DW-TR-SMD-15W		15W	Ø143 / 165	110
YZS-DW-TR-SMD-18W		18W	Ø180 / 195	145
YZS-DW-TR-SMD-30W		30W	Ø190 / 195	160
YZS-DW-TR-SMD-40W		40W	Ø230	190
输入电压 Input voltage		AC 85-265v		
电源频率 Power frequency		50Hz ~60Hz		
显色指数 Color rendering index		Ra > 82		
转换效率 Conversion efficiency		>85%		
功率因素 Power factor		>0.85		

Beam angle		, 24 ° , 120°
CCT	White light	6000K~6500K
	Neutral light	4000K-4200K
	warm light	2700K~3000K
LIUMEN	White light	100Lm/w
	Neutral light	100Lm/w
	warm light	90Lm/w
Time life		50000 H ~60000H
Light decay		≤8%/10000
Working temperature/humidity		-20°C~45°C / 10%~90%
Storage temperature/humidity		-40°C~80°C / 10%~90%
Lamp size		18w, 180mm
Lamp box size		19*19*10cm
Lamp weight		≤500g
Protection level		IP44

1. 3. 3 Carton size

18 watts, carton size 59*42*40cm, 30 pcs per carton

FCL weight: 15kg

Express calculation volume weight: 17kg

