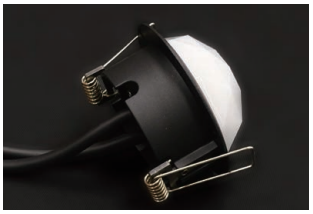
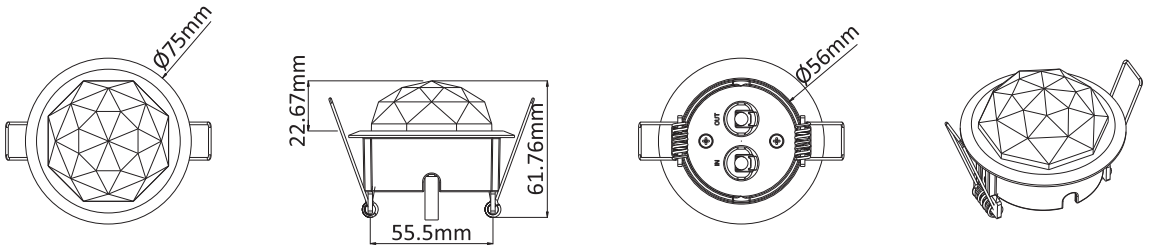
KALAR

FLASHDOT r75



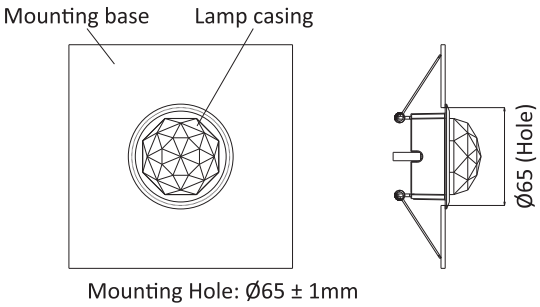
Dimensions



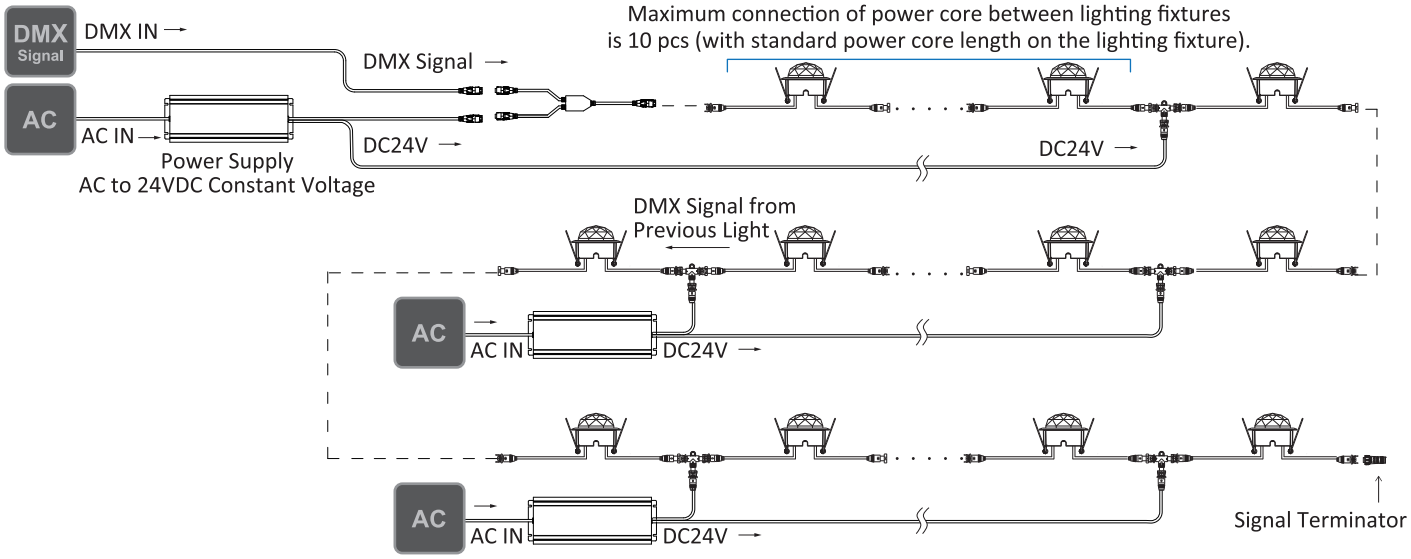
Specifications

Model Number		FD09300	FD09310
Input Voltage		DC24V	
Power per Dot		2.88W	2.16W
LED Quantity per Dot		12pcs	9pcs
Luminous Efficacy		109lm/W	
LED Type		CREE / OSRAM / LUMILEDS SMD	
Operation Temperature		-40°C~50°C	
Storage Temperature		-20°C~60°C	
Waterproof Level		IP66	
Housing Material		PMMA injection molding and stamping aluminum shell	
Light Output Angle		80°	
Dimming Step		0~255 Steps (with high resolution of 65536 levels)	
Wiring		Waterproof multi-core cable and connector	
Dimension		Ø75*61.8mm	
Weight		0.2kg	
Pixel Quantity		1 pixel per fixture (1 channel per pixel @single color / 3 channels per pixel @RGB 3-in-1)	
Control Signal		DMX512	
Lumen Output per Dot at Different Color	5000K	314lm, Ra80	235lm, Ra80
	4000K	298lm, Ra80	223lm, Ra80
	3000K	282lm, Ra80	211lm, Ra80
	2700K	276lm, Ra80	207lm, Ra80
	2400K	248lm, Ra80	186lm, Ra80
	2200K	223lm, Ra80	167lm, Ra80
	RGB 3-in-1	84lm	63lm

Installation



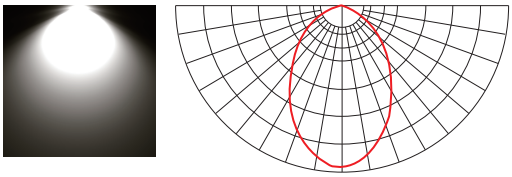
Configuration



1. Maximum lighting fixture's power core connection between FlassDot r75 is 10 pcs. Any power core connection exceed 10 pcs will cause product failure and void the warranty.
2. A specific Y-connector is needed for re-connecting new DC power source back to the loop.
3. A signal terminator must be applied at the end of DMX512 loop for signal stabilization.
4. A standard DMX512 signal supports maximum 32 devices and 512 addresses in one signal loop. Extra DMX512 signal, repeater, splitter may be needed to keep the signal stable when user is constructing a large scale of DMX512 system.
5. In one DMX512 loop, distance from DMX512 signal source output point to the last lighting fixture signal terminator should not exceed 80 meters. Extra DMX512 signal, repeater, splitter may be needed to strengthen the signal for long transmission distance.
6. Distance between lighting fixtures and DC power source is a critical issue, please control the distance and wiring system carefully to avoid voltage drop. Voltage drop may cause product failure and void the warranty.
7. If there is any uncertainty, please contact kalar@iotena.com for further information.

Optical Information

■ Beam Angle= 80°



Part Number

FD09300 / FD09310 - C _ _ - _ _

I II

I To Define Color Temperature

C 2 2 = 2200K	C 4 0 = 4000K
C 2 4 = 2400K	C 5 0 = 5000K
C 2 7 = 2700K	C R 3 = RGB 3-in-1
C 3 0 = 3000K	

II To Define Mask Material

T S = Transparency

D F = Diffusion