

## MANUAL OF INTELLIGENT LED DOWN LIGHT




### I. Main Features

1. Programmable intelligent LED Down Light with automatic optical communication technology
2. Light brightness can be automatically dimmed to 10~50% in the standby mode and up to 100% once a moving person is detected by the built-in IR sensor.
3. Light brightness level can be adjusted in our factory before shipment upon request.
4. Inter-communication: All the lights in a preset zone can be automatically lit up one by one in the direction of a moving person when he/she's detected by the built-in IR sensor.
5. Number of the lights in a preset zone and full brightness holding time can be adjustable by users with the remote programmer
6. Environment friendly, no flashing, no UV or infrared radiation, low heat radiation and mercury free.
7. Easy installation and ideal replacement for traditional down lights
8. Energy saving and long life span of over 50,000 hours.
9. Suitable for applications in commercial lighting, decorative lighting, home lighting, office lighting, shopping center, hotel, restaurant, etc.
10. Options for common down lights without sensors are available upon request.

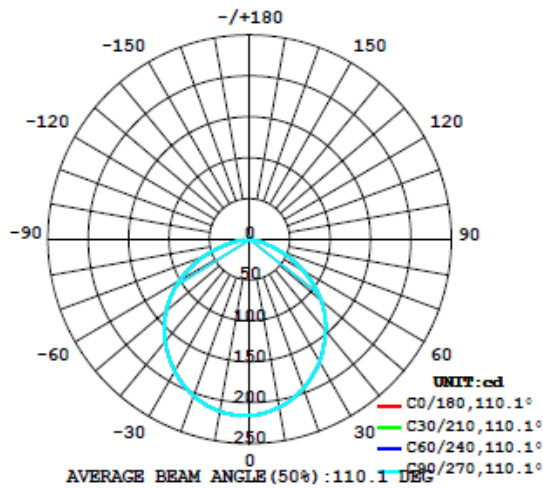
### II. Technical Specifications

Model No.	TA-DL-09			TA-DL-12			TA-DL-15		
Order No.	TA-DL-09WW	TA-DL-09PW	TA-DL-09CW	TA-DL-12WWS	TA-DL-12PWS	TA-DL-12CWS	TA-DL-15WWS	TA-DL-15PWS	TA-DL-15CWS
Dimension	Φ148×H55mm(5")			Φ173×H60mm(6")			Φ200×H60mm(7")		
Power	9W			12W			15W		
Input Power	180-265VAC 50/60Hz								
Standby Power	N/A			1.8W(Adjustable)			2.2W(Adjustable)		
Light Source	18pcs(Samsung 5630)			24pcs (Samsung 5630)			30pcs (Samsung 5630)		
Full Power Time	60 sec (adjustable)								
CCT	2700-3700K	4000-5300K	5500-6700K	2700-3700K	4000-5300K	5500-6700K	2700-3700K	4000-5300K	5500-6700K
Luminous Flux	600-780 lm			800-1040 lm			1000-1300 lm		
CRI (Ra)	≥80								
PF	≥0.9								
Intercom Distance	≤8m (Less than 5m recommended)								
Detection Distance	≤5m								

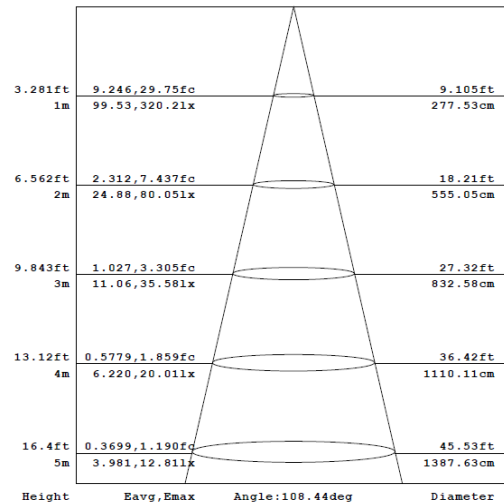
Detection Angle	≤30°		
Installation Height	≤3.5m		
Beam Angle	110°		
Working Temperature	-20°C~50°C (10%~90%RH)		
Housing Material	Aluminum & PC Cover		
Net Weight	420g	600g	750g
LED Lifespan	≥50,000 hrs		
Certificate			

**III. Distribution Curve and Application Picture**

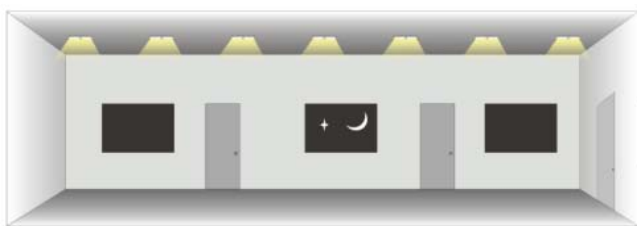
**Luminous Intensity Distribution Diagram**



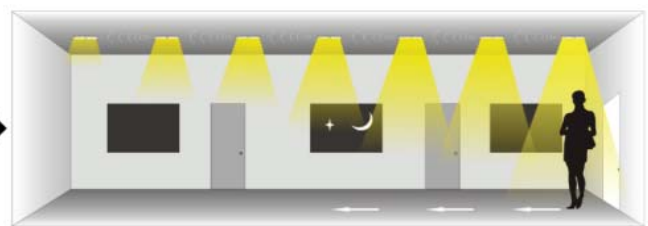
**Lux Report**



**Low Brightness Level in Stand-by Mode**

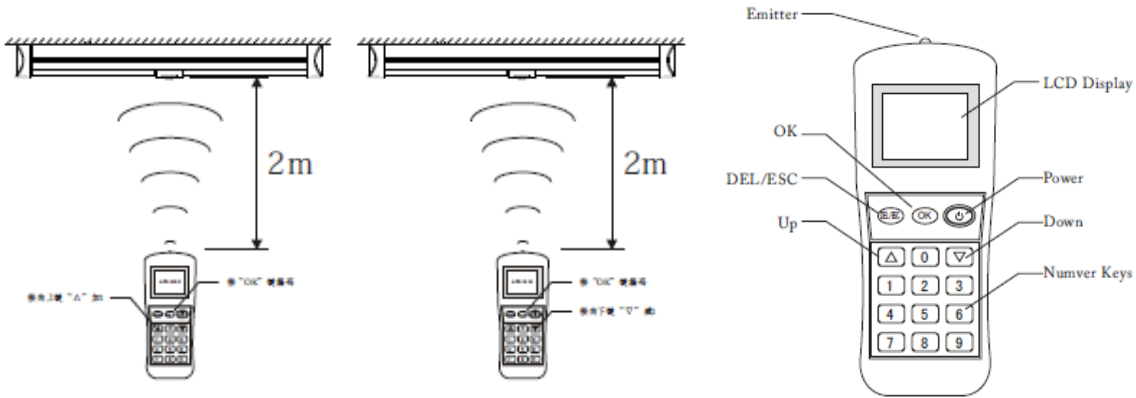


**Full Brightness When People's Detected**



Intercommunication -- The lights set in a group can be lit up automatically one by one





Stand-by Brightness, Full Power Time & Number of the Lights in a preset zone can be adjusted by users with the Handheld Remote Programmer shown as above drawing.



**Application Instance**



**T&A** - Smart LED Lighting Solution