



## IP65 RECESSED SPOTLIGHT

Ref No: GR-DL-18WW-02

CE RoHS IP65    




This spotlight is a 25° rotation, is improved from common downlight adding a waterproof rubber, to increase protection level up to be IP65, so that it can be used for some moisture environments such as kitchen, balcony, or bathroom. It is made of die-cast aluminum and High Lumens COB chips. It is perfect solution to do projects

### Complete Product Data

Order Number	GR-DL-18WW-02
Total Wattage	18W±5% (20W Max)
Mounting Type	Recessed mounted
Dimension(mm)	Ø110*H83mm
Outcut(mm)	Ø95mm
IP Grade	IP65 waterproof
Luminaries Lumens	1600-1900lm
Beam angle	24°/15/36°
Working temperature	-25°C ~ +55°C
Certificates standard	CE LVD EMC RoHS
Warranty	3/5Years
Package	/

### Control Gear/Driver Data

LED driver brand	
Input voltage	220-240VAC 50/60Hz
Output voltage	30-42Vdc
Output current	450-500mA
Power Factor	>0.5 as standard; >0.9 optional
Surge protection	1-2KV
Efficiency	>83% @230V
IP Grade	IP22
THD	<15% @230V
Dimmable	No, but available to select it as Triac/0-10V/DALI if needed
Free flicker	Yes
Protection	Open Circuit Protection / short Circuit protection/
Certificates	ENEC、CCC、RCM、CE、CB
Warranty	3/5Years

## Material&Housing Data

Outer trim	Aluminum
Housing color	White as standard; black is optional
Heat sink	Die-cast aluminum, black finished
Reflector material	PC reflector, matt white/black/Gun black/silver finish.
Fixation material	Steel
Connector	Quickly connectors

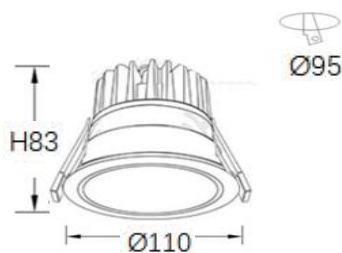
## Photometric Data

LED chip brand	Bridgelux / Osram
Chip type	COB
Color temperature	2700-2800K/3000-3200K/4000-4500K/ 5700-6000K/ 6000-6500K
CRI	>Ra90 (97 Max)
Life time	>50000Hrs
Lumens	120-150lm/W
SDCM	<5
Lumens maintenance	99.9%@1000hrs/ 99%@3000hrs /98%@10000hrs. (LM80)

## Optional

Dimming Type	Triac dim/ 0-10V dim/ DALI dimmable optional
Dimming driver brand	<b>KOPU</b> <small>EAGLERISE</small> <b>OSRAM</b> <small>EUCHIPS</small> <b>LIFUD</b>
Emergency backup	Battery backup with 1-3Hours for 1-3Watt

## Dimension



Unit:mm

## Lighting Distribution

