



## RECESSED DOWNLIGHT

Ref No: GR-DL-12WA-1

CE RoHS IP44



LED Downlight adopt top quality aluminum as housing and Bridgelux SMD chips, delivers a superior LED alternative that's up to 60% more energy efficient than the conventional downlight retrofits. The input voltage can be low voltage like DC12V 24V 36V and 48V or high voltage 110/220-240VAC options. It is also ideal for all commercial lighting applications as well as public indoor space where there is limited space in the ceiling. It is available to be 3CCT selectable+ 3 wattages selectable solution or Zigbee smart type

### Complete Product Data

Order Number	GR-DL-12WA-1
Total Wattage	12W±5% ( Selectable type wattage: 12W 10W 8W selectable)
Mounting Type	Recessed mounted
Dimension(mm)	Ø115*H48mm
Outcut(mm)	Ø95mm
IP Grade	IP44
Luminaries Lumens	1050-1300lm
Beam angle	110°
Working temperature	-25°C ~ +55°C
Certificates standard	CE LVD EMC RoHS
Warranty	3/5Years
Package	/

### Control Gear/Driver Data

LED driver Type	Isolated driver
Input voltage	DC12V/24V/36V/48V or AC220-240V 50/60Hz
Output voltage	30-42Vdc
Output current	250-300mA
Power Factor	>0.5 or >0.85
Surge protection	1KV
Efficiency	>87%
IP Grade	IP20
THD	<15%
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	TUV、CCC、RCM、CE、CB
Warranty	3/5Years

## Material&Housing Data

Housing Color	White finished
Housing Material	Aluminum
Heat sink	Die-cast aluminum, white finished
Cover	PMMA Plastic
Fixation material	Steel
Connector	Quickly connectors

## Photometric Data

LED chip brand	Bridgelux / Osram
Chip type	SMD
Color temperature	2700-2800K/3000-3200K/4000-4500K/ 5700-6000K/ 6000-6500K
CRI	>80
Life time	>50000Hrs
Lumens	110-130lm/W
SDCM	<5
Lumens maintenance	99.9%@1000hrs/ 99%@3000hrs /98%@10000hrs. (LM80)

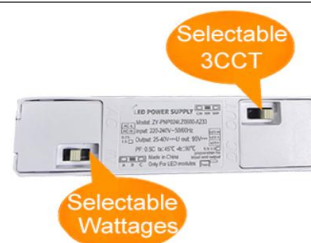
## Optional

Dimming Type	Triac dim/ 0-10V dim/ DALI dimmable optional
Dimming driver brand	<b>KOPU</b> <b>EAGLERISE</b> <b>OSRAM</b> <b>EUCHIPS</b> <b>LIFUD</b>
Emergency backup	Battery backup with 3Hours for 2-5Watt
3CCT & Wattages	(100%-80%-60% of wattages+3CCT)

## Dimension



Unit:mm



## Lighting Distribution

