



## COMMERCIAL DOWNLIGHT

Ref No: GR-DL-20WB-05



LED Downlight adopt deep anti-glare design, low glare value performance, and consists of Osram/Bridgelux COB or SMD chips, delivers a superior LED alternative that's up to 60% more energy efficient than the conventional downlight retrofits. There are different lens options, one for COB with 15/24/36° beam angle, other is for SMD with 60°. Different reflector colors are optional, and dimmable, emergency kits are optional. It is also ideal for all commercial lighting applications.

### Complete Product Data

Order Number	GR-DL-20WB-05
Total Wattage	20W±5%
Mounting Type	Recessed mounted
Dimension(mm)	Φ130*H70mm
Outcut(mm)	Ø120-125mm
IP Grade	IP44
Luminaries Lumens	1850-2180lm
Beam angle	15/24/36° for COB Type; 60° for SMD type optional
Working temperature	-25°C ~ +55°C
Certificates standard	CE LVD EMC RoHS
Warranty	3/5Years
Package	/

### Control Gear/Driver Data

LED driver brand	<b>Lifud</b> <b>EAGLERISE</b> <b>OSRAM</b>
Input voltage	110/220-240VAC 50/60Hz
Output voltage	30-42Vdc
Output current	450-500mA
Power Factor	>0.5 or >0.9
Surge protection	1KV
Efficiency	>86% @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	CCC、RCM、CE、CB
Warranty	3/5Years

## Material&Housing Data

Housing Color	White finished as standard, black optional
Housing Material	Aluminum
Cover	PMMA cover
Reflector material	PMMA
Fixation material	Steel
Connector	Quickly connectors

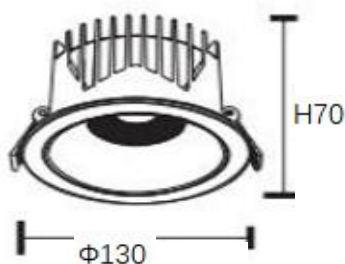
## Photometric Data

LED chip brand	Bridgelux / Osram/ CITIZEN
Chip type	COB /SMD
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 or <3
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 3Hours for 2-3Watt
Reflector color	White/black 

## Dimension & Install



Unit:mm

## Lighting Distribution

