



## WATERPROOF SURFACE DOWNLIGHT

Ref No: GR-FM-20WF

CE RoHS IP65



LED Downlight is top level in quality and design with IP65 waterproof structure. it is the best choice to do commercial lighting projects, made of aluminum and reflectors. Black/White housing finished available, and 3 types reflectors( Black/white/Silver options), different beam angle options. High CRI and output.

### Complete Product Data

Order Number	GR-FM-20WF
Total Wattage	20W±5%
Mounting Type	Surface mounted
Dimension(mm)	φ95*128mm
Outcut(mm)	/
IP Grade	IP65 waterproof
Luminaries Lumens	1900-2100lm
Beam angle	60°
Working temperature	-25°C ~ +55°C
Certificates standard	CE LVD EMC RoHS
Warranty	3/5Years
Package	/

### Control Gear/Driver Data

LED driver brand	LiFud/Eagleries/GX/SUNCOM 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	>85% @230V
IP Grade	IP65 waterproof
THD	<20% @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	CE CB ENEC
Warranty	3/5Years

## Material&Housing Data

Housing Color	White or black finished
Housing Material	Aluminum
Heat sink	Die-cast aluminum
Reflector material	PC reflector, white/black/silver reflector options
Surface part	Metal
Connector	/

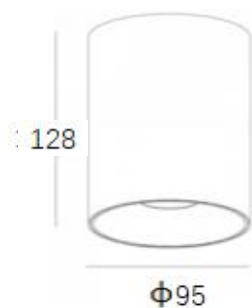
## Photometric Data

LED chip brand	Bridgelux
Chip type	SMD / COB optional
Color temperature	2700-2800K/3000-3200K/4000-4500K/ 5700-6000K/ 6000-6500K
CRI	>Ra90
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 optional
Dimming driver brand	<b>KOPU</b> <small>EAGLERISE</small>
Emergency backup	/

## Dimension



Unit:mm

## Lighting Distribution

