



LED Downlights Datasheet

Recessed COB and SMD downlights from 5W to 40W in diecast aluminium, including UGR<19 anti-glare and IP44 models.

Founded	2010
Fixtures Per Month	780000
Factory Area	5000 m ²
Workers	120
Certification	ISO 9001:2015, CE, RoHS, CCC, CQC
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All figures in this document are the published specifications for the models listed. Ask for the IES file or a Dialux calculation before finalising a layout.

IP44 Recessed LED Downlight



The IP44 recessed LED downlight is designed for commercial interiors where moisture resistance and consistent light output are required. Available in five power levels from 7W to 40W, each model delivers 90 lumens per watt with a system lumen output ranging from 630 to 3600 lumens. The fixture uses an Osram LED chip with CRI above 80 and a Lifud driver, ensuring stable performance. The housing is diecast aluminium with a white or silver reflector, and the IP44 rating allows installation in areas with light splash e

Specification

Model	FX-2, FX-3, FX-4, FX-6, FX-8
Input Voltage	220-240VAC
Frequency	50Hz / 60Hz
System Power	7W, 10W, 15W, 30W, 40W
Power Factor	>0.5, >0.5, >0.5, >0.9, >0.9
Driver	Lifud
LED Chip	Osram
CRI	>80
System Lumen	630lms, 1350lms, 2160lms, 2700lms, 3600lms
Efficiency of Fixture	90lm/w
Colour Temperature	3000K, 4000K, 6000K
Beam Angle	90°
Housing Material	Diecast Aluminium
Optic	Aluminium Reflector
IP Rating	IP44
UGR	<19
Cut Hole Size	Ø70mm, Ø85mm, Ø105mm, Ø165mm, Ø200mm
Fixture Dimension	Ø90x45mm, Ø105x65mm, Ø130x68mm, Ø190x95mm, Ø220x105mm

Certification: CE, RoHS, CCC, CQC, ISO 9001:2015 quality system

Anti Glare COB LED Downlight



The CH-2507, CH-3015, CH-4024, CH-5030 and CH-8040 are recessed COB LED downlights for hotel lobbies, aisles and corridors. They run on 220-240VAC at 50Hz/60Hz, deliver between 630 and 3600 lumens at 90lm/w, and use Epistar LED chips with a CRI above 80. The beam angle is specified at order as 36 or 55 degrees. The UGR is less than 19, offering low glare. They are housed in diecast aluminium and have an IP44 rating.

Specification

Model	CH-2507
Model	CH-3015
Model	CH-4024
Model	CH-5030
Model	CH-8040
Input Voltage	220-240VAC
Frequency	50Hz/60Hz
System Power	7W
System Power	15W
System Power	24W
System Power	30W
System Power	40W
Power Factor	>0.5
Driver Brand	Lifud
LED Chip	Epistar
CRI	>80
System Lumen	630lms
System Lumen	1350lms
System Lumen	2160lms
System Lumen	2700lms
System Lumen	3600lms
Efficiency	90lm/w
CCT	3000K
CCT	4000K
CCT	6000K
Beam Angle	36° / 55°
Optic	Aluminum Reflector
Housing Material	Diecast Aluminum
Dimension	Ø90x65mm
Dimension	Ø110x72mm
Dimension	Ø130x90mm
Dimension	Ø172x112mm
Dimension	Ø230x124mm
Cut hole	Ø75mm
Cut hole	Ø95mm
Cut hole	Ø110mm
Cut hole	Ø145mm
Cut hole	Ø200mm

Certification: CE, RoHS, CCC, CQC, ISO 9001:2015 quality system

COB Recessed LED Downlight



The COB Recessed LED Downlight models GG2505B, CG3012B and CG4015B are designed for commercial interiors where flush ceiling mounting and consistent beam control are required. Each model operates on 220-240VAC, delivers 90lm/w efficiency, and uses Epistar LED chips with CRI above 80. The beam angle is fixed at 36 degrees across all models, and the housing is diecast aluminium. The downlights are available in 2.5 inch, 3 inch, 4 inch and 6 inch sizes with cut-out holes of Ø75mm, Ø95mm, Ø110mm and Ø130mm respectively

Specification

Model	GG2505B, CG3012B, CG4015B
Input Voltage	220-240VAC
Frequency	50Hz / 60Hz
System Power	5W, 12W, 16W
Power Factor	>0.5
Driver	IC type
LED Chip	Epistar
CRI	>80
System Lumen	450lms, 1180lms, 11300lms
Efficiency of Fixture	90lm/w
Colour Temperature	3000K, 4000K, 6000K
Beam Angle	36°
Housing Material	Diecast aluminium
Dimension	Ø90x49mm, Ø110x55mm, Ø130x62mm
Cut Hole	Ø75mm, Ø95mm, Ø110mm

Certification: CE, RoHS, CCC, CQC, ISO 9001:2015 quality system

SMD Recessed LED Downlight



The SMD Recessed LED Downlight is a recessed diecast aluminium downlight using surface-mount LED chips designed for commercial interiors where low cost and fast delivery are priorities. It uses Epistar SMD LED chips with CRI above 80 and delivers 400 to 1280 lumens across three models: GG2505A (5W), CG3012A (12W) and CG4015A (16W). All models operate on 220-240VAC at 50Hz or 60Hz, feature a DOB driver, and have a fixed 120 degree beam angle. The housing is diecast aluminium with a diffuser cover, and the cut-out si

Specification

Model	GG2505A, CG3012A, CG4015A
Input Voltage	220-240VAC
Frequency	50Hz / 60Hz
System Power	5W, 12W, 16W
Power Factor	>0.5
Driver Brand	DOB
LED Chip Model	Epistar
CRI	>80
System Lumen	400lms, 960lms, 1280lms
Efficiency of Fixture	80lm/w
Colour Temperature	3000K, 4000K, 6000K
Beam Angle	120°
Housing Material	Diecast Aluminium
Diffuser	Diffuser
Dimension	Ø90x49mm, Ø110x55mm, Ø130x62mm
Cut Hole	Ø75mm, Ø95mm, Ø110mm

Certification: CE, RoHS, CCC, CQC, ISO 9001:2015 quality system