



# MSTARLED Product Catalogue

All 15 commercial LED fixtures across LED Downlights, LED Track Lights, Track Rails.

|                           |                                                                     |
|---------------------------|---------------------------------------------------------------------|
| <b>Founded</b>            | 2010                                                                |
| <b>Fixtures Per Month</b> | 780000                                                              |
| <b>Factory Area</b>       | 5000 m <sup>2</sup>                                                 |
| <b>Workers</b>            | 120                                                                 |
| <b>Certification</b>      | 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.

# LED Downlights

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

## 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

# LED Track Lights

Aimable commercial track heads from 10W to 40W, with CREE and Osram chips, CRI up to 90 and beam angles from 15 to 60 degrees.

## 2 Wire 30W LED Track Light



The CH-GD8813 is a 30W two-wire LED track light designed for commercial interiors where a single circuit drives multiple lighting zones. It operates on 220-240VAC, delivers 3600 lumens at 80lm/w, and uses a CREE LED chip with CRI above 90, ensuring accurate colour rendering for retail and hospitality environments. The head rotates 355 degrees horizontally and tilts 90 degrees vertically, with beam angles selectable at order as 15, 24, 36, 45 or 60 degrees. Triac dimming is optional and must be declared at order. Th

### Specification

|                       |                                           |
|-----------------------|-------------------------------------------|
| Model                 | CH-GD8813                                 |
| Input Voltage         | 220-240VAC                                |
| Frequency             | 50Hz / 60Hz                               |
| System Power          | 30W                                       |
| Driver                | Lifud flicker free, DC30-40V 750mA output |
| LED Chip              | CREE                                      |
| CRI                   | >90                                       |
| System Lumen          | 3600lms                                   |
| Efficiency of Fixture | 80lm/w                                    |
| Colour Temperature    | 2700K, 3000K, 3500K, 4000K, 6000K         |
| Beam Angle            | 15°, 24°, 36°, 45°, 60°                   |
| Housing Material      | Extrusion aluminium                       |
| Adapter               | 2 / 3 / 4 wires                           |
| Dimming               | Triac optional                            |
| Adjustment            | 355° rotatable, 90° vertical              |
| Heatsink Size         | Ø80 x 178mm                               |

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

## 20W LED Track Light Built-In Driver



The CH-GD8812 is a 20W LED track light with a built-in Lifud flicker-free driver, designed for retail and commercial interiors where consistent lumen output and colour accuracy are required. It operates on 220-240VAC, delivers 1800 lumens at 90lm/w, and uses a CREE LED chip with CRI above 90, ensuring accurate colour rendering for merchandise and interior surfaces. The head rotates 355 degrees horizontally and tilts 90 degrees vertically, allowing re-aiming after installation. The beam angle is selected at order fr

### Specification

|                       |                                           |
|-----------------------|-------------------------------------------|
| Model                 | CH-GD8812                                 |
| Input Voltage         | 220-240VAC                                |
| Frequency             | 50Hz / 60Hz                               |
| System Power          | 20W                                       |
| Driver                | Lifud flicker free, DC30-40V 500mA output |
| LED Chip              | CREE                                      |
| CRI                   | >90                                       |
| System Lumen          | 1800lms                                   |
| Efficiency of Fixture | 90lm/w                                    |
| Colour Temperature    | 2700K, 3000K, 3500K, 4000K, 6000K         |
| Beam Angle            | 15°, 24°, 36°, 45°, 60°                   |
| Housing Material      | Extrusion aluminium                       |
| Adapter               | 2 / 3 / 4 wires                           |
| Dimming               | Triac or DALI optional                    |
| Adjustment            | 355° rotatable, 90° vertical              |
| Heatsink Size         | Ø72x178mm                                 |

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

### 4 Wire 40W LED Track Light



The CH-GD8814 is a 40W four-wire LED track light designed for commercial interiors where multiple lighting scenes are controlled from a single rail. It operates on 220-240VAC, delivers 3600 lumens at 90lm/w, and uses a CREE LED chip with CRI above 90, ensuring accurate colour rendering for retail and hospitality environments. The head rotates 355 degrees horizontally and tilts 90 degrees vertically, allowing re-aiming after installation. Beam angle is selected at order from 15, 24, 36, 45 or 60 degrees. Triac and D

### Specification

|               |            |
|---------------|------------|
| Model         | CH-GD8814  |
| Input Voltage | 220-240VAC |

|                       |                                           |
|-----------------------|-------------------------------------------|
| Frequency             | 50Hz / 60Hz                               |
| System Power          | 40W                                       |
| Power Factor          | >0.95                                     |
| Driver                | Lifud flicker free, DC30-40V 950mA output |
| LED Chip              | CREE                                      |
| CRI                   | >90                                       |
| System Lumen          | 3600lms                                   |
| Efficiency of Fixture | 90lm/w                                    |
| Colour Temperature    | 2700K, 3000K, 3500K, 4000K, 6000K         |
| Beam Angle            | 15°, 24°, 36°, 45°, 60°                   |
| Housing Material      | Extrusion aluminium                       |
| Adapter               | 2 / 3 / 4 wires                           |
| Dimming               | Triac or DALI optional                    |
| Adjustment            | 355° rotatable, 90° vertical              |

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

## 4 Wire 10W LED Track Light



The CH-GD8811 is a 10W four-wire LED track light designed for commercial interiors where multiple lighting scenes are controlled from a single rail. It operates on 220-240VAC, delivers 900 lumens at 90lm/w, and uses a CREE LED chip with CRI above 90, ensuring accurate colour rendering for retail and hospitality applications. The head rotates 355 degrees horizontally and tilts 90 degrees vertically, allowing re-aiming after installation. The beam angle is selected at order from 15, 24, or 36 degrees. The driver is L

### Specification

|                       |                                           |
|-----------------------|-------------------------------------------|
| Model                 | CH-GD8811                                 |
| Input Voltage         | 220-240VAC                                |
| Frequency             | 50Hz / 60Hz                               |
| System Power          | 10W                                       |
| Power Factor          | >0.5                                      |
| Driver                | Lifud flicker free, DC30-40V 250mA output |
| LED Chip              | CREE                                      |
| CRI                   | >90                                       |
| System Lumen          | 900lms                                    |
| Efficiency of Fixture | 90lm/w                                    |
| Colour Temperature    | 2700K, 3000K, 3500K, 4000K, 6000K         |
| Beam Angle            | 15°, 24°, 36°                             |

|                         |                              |
|-------------------------|------------------------------|
| <b>Housing Material</b> | Extrusion aluminium          |
| <b>Adapter</b>          | 2 / 3 / 4 wires              |
| <b>Dimming</b>          | Optional (Triac or DALI)     |
| <b>Adjustment</b>       | 355° rotatable, 90° vertical |

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

## 30W Zoomable LED Track Light



The CH-GD16P30 is a 30W zoomable LED track light designed for commercial interiors where beam angle flexibility and consistent colour rendering are required. It operates on 220-240VAC, delivers 2400 lumens at 80lm/w, and uses a CREE LED chip with CRI above 90, ensuring accurate colour reproduction on retail displays and architectural surfaces. The beam angle is manually adjustable from 15 to 60 degrees, allowing precise control over accent and wash lighting. The head rotates 355 degrees horizontally and tilts 90 degrees vertically.

### Specification

|                              |                                           |
|------------------------------|-------------------------------------------|
| <b>Model</b>                 | CH-GD16P30                                |
| <b>Input Voltage</b>         | 220-240VAC                                |
| <b>Frequency</b>             | 50Hz / 60Hz                               |
| <b>System Power</b>          | 30W                                       |
| <b>Driver</b>                | Lifud flicker free, DC30-40V 750mA output |
| <b>LED Chip</b>              | CREE                                      |
| <b>CRI</b>                   | >90                                       |
| <b>System Lumen</b>          | 2400lms                                   |
| <b>Efficiency of Fixture</b> | 80lm/w                                    |
| <b>Colour Temperature</b>    | 2700K, 3000K, 3500K, 4000K, 6000K         |
| <b>Beam Angle</b>            | 15° – 60°                                 |
| <b>Housing Material</b>      | Extrusion aluminium                       |
| <b>Adapter</b>               | 2 / 3 / 4 wires                           |
| <b>Dimming</b>               | Triac or DALI optional                    |
| <b>Adjustment</b>            | 355° rotatable, 90° vertical              |
| <b>Dimensions</b>            | Ø80x178mm                                 |

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

## 40W Zoomable LED Track Light



The CH-GD16P40 is a 40W zoomable LED track light designed for commercial interiors where adjustable beam angles and consistent colour rendering are required. It operates on 220-240VAC, delivers 3200 lumens at 80lm/w, and uses a CREE LED chip with CRI above 90, ensuring accurate colour reproduction on retail displays and architectural surfaces. The head rotates 355 degrees horizontally and tilts 90 degrees vertically, allowing re-aiming after installation. The beam angle is adjustable from 15 to 60 degrees and is se

### Specification

|                       |                                           |
|-----------------------|-------------------------------------------|
| Model                 | CH-GD16P40                                |
| Input Voltage         | 220-240VAC                                |
| Frequency             | 50Hz / 60Hz                               |
| System Power          | 40W                                       |
| Power Factor          | >0.9                                      |
| Driver                | Lifud flicker free, DC30-40V 950mA output |
| LED Chip              | CREE                                      |
| CRI                   | >90                                       |
| System Lumen          | 3200lms                                   |
| Efficiency of Fixture | 80lm/w                                    |
| Colour Temperature    | 2700K, 3000K, 3500K, 4000K, 6000K         |
| Beam Angle            | 15° – 60°                                 |
| Housing Material      | Extrusion aluminium                       |
| Adapter               | 2 / 3 / 4 wires                           |
| Dimming               | Triac or DALI optional                    |
| Adjustment            | 355° rotatable, 90° vertical              |
| Heatsink Size         | Ø94x190mm                                 |

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

## 20W Zoomable LED Track Light



The CH-GD16P20 is a 20W zoomable LED track light designed for retail and hospitality interiors where adjustable beam control is needed across multiple display zones. It operates on 220-240VAC, delivers 1600 lumens at 80lm/w, and uses a CREE LED chip with CRI above 90 to maintain accurate colour rendering. The beam angle is continuously adjustable from 15 to 60 degrees, allowing precise accent or wash lighting without changing fixtures. The head rotates 355 degrees horizontally and tilts 90 degrees vertically, and t

### Specification

|       |            |
|-------|------------|
| Model | CH-GD16P20 |
|-------|------------|

|                       |                                           |
|-----------------------|-------------------------------------------|
| Input Voltage         | 220-240VAC                                |
| Frequency             | 50Hz / 60Hz                               |
| System Power          | 20W                                       |
| Driver                | Lifud flicker free, DC30-40V 500mA output |
| LED Chip              | CREE                                      |
| CRI                   | >90                                       |
| System Lumen          | 1600lms                                   |
| Efficiency of Fixture | 80lm/w                                    |
| Colour Temperature    | 2700K, 3000K, 3500K, 4000K, 6000K         |
| Beam Angle            | 15° – 60°                                 |
| Housing Material      | Extrusion aluminium                       |
| Adapter               | 2 / 3 / 4 wires                           |
| Dimming               | Optional Triac or DALI                    |
| Adjustment            | 355° rotatable, 90° vertical              |
| Heatsink Size         | Ø 72x172mm                                |

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

## 30W 3900lm LED Track Light



The GD885H is a 30W LED track light with built-in driver, designed for commercial interiors requiring high lumen output and consistent colour rendering. It operates on 220-240VAC, delivers 3900 lumens at 130lm/w efficiency with CRI above 90, and uses a Bridgelux LED chip. The beam angle is selectable at order as 15, 30, 45 or 60 degrees. It is compatible with European standard track systems and supports optional dimming. The die-cast aluminium housing provides stable thermal performance and mechanical strength. The

## Specification

|                       |                       |
|-----------------------|-----------------------|
| Model                 | GD885H                |
| Input Voltage         | 220-240VAC            |
| Frequency             | 50Hz / 60Hz           |
| System Power          | 30W                   |
| Power Factor          | >0.95                 |
| Driver Brand          | Lifud, Osram, Philips |
| Output                | DC30-40V 750mA        |
| LED Chip Brand        | Bridgelux             |
| Efficiency of Fixture | 130lm/w @ Ra90        |
| CRI                   | >90                   |
| System Lumen          | 3900lms               |

|                           |                                          |
|---------------------------|------------------------------------------|
| <b>Colour Temperature</b> | 2700K, 3000K, 3500K, 4000K, 5000K, 6000K |
| <b>Beam Angle</b>         | 15°, 30°, 45°, 60°                       |
| <b>Housing Material</b>   | Die-cast aluminium                       |
| <b>Adapter</b>            | 3-phase 4-wires                          |
| <b>Dimming</b>            | Optional, declared at order              |
| <b>Function</b>           | Dimmable optional                        |
| <b>Dimension</b>          | Ø94x190mm                                |

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

## 10W Zoomable LED Track Light



The CH-GD16P10 is a 10W zoomable LED track light with a built-in driver, made for Nordic track systems where the beam has to be set on site rather than at the order. It runs on 220-240VAC at 80lm/w with CRI above 90, using CREE or Bridgelux chips, and the beam angle is adjustable from 15 to 60 degrees. Colour temperature is available from 2700K to 6000K, CCT-adjustable and dimmable versions are optional, and the housing is diecast aluminium with a 3 phase 4 wire adapter.

### Specification

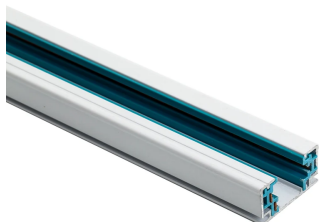
|                              |                                                       |
|------------------------------|-------------------------------------------------------|
| <b>Model</b>                 | CH-GD16P10                                            |
| <b>Input Voltage</b>         | 220-240VAC                                            |
| <b>Frequency</b>             | 50Hz / 60Hz                                           |
| <b>System Power</b>          | 10W                                                   |
| <b>Power Factor</b>          | >0.5                                                  |
| <b>Driver</b>                | Lifud or Eaglerise, integrated, DC30-40V 150mA output |
| <b>LED Chip</b>              | CREE or Bridgelux                                     |
| <b>CRI</b>                   | >90                                                   |
| <b>Efficiency of Fixture</b> | 80lm/w                                                |
| <b>Colour Temperature</b>    | 2700K, 3000K, 3500K, 4000K, 5000K, 6000K              |
| <b>Beam Angle</b>            | 15° – 60° adjustable                                  |
| <b>Housing Material</b>      | Die-cast aluminium                                    |
| <b>Adapter</b>               | 3-phase 4-wires                                       |
| <b>Dimming</b>               | Optional, declared at order                           |
| <b>Heatsink Dimension</b>    | Ø50x130mm                                             |

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

# Track Rails

Three-wire and four-wire commercial track rail in 1, 1.5, 2 and 3 metre lengths, matched to our own track head range.

## 3 Wire LED Track Rail



This is the three-wire track rail that carries the MSTARLED track head range. It runs on single-phase 220V and is supplied in 1, 1.5, 2 and 3 metre lengths in black or white, so a run can be set out to the ceiling grid without cutting on site. Three wires means the heads on one rail can be split across separate switched circuits, which is what lets a shop turn window lighting, wall wash and general lighting on and off independently. Order the rail together with heads carrying a matching three-wire adapter.

### Specification

|                       |                       |
|-----------------------|-----------------------|
| Type                  | 3 wire LED track rail |
| Supply                | Single phase 220V     |
| Lengths               | 1m, 1.5m, 2m, 3m      |
| Finish                | Black, white          |
| Head Adapter Required | 3 wire                |

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

## 4 Wire LED Track Rail



This four-wire track rail is built to the same section size as Nordic Track, so it drops into projects already specified around that profile and accepts heads sized for it. It is rated at 16A and comes in 1, 1.5, 2 and 3 metre lengths. Four conductors give three switchable lighting groups on one run, which is what a large retail floor or a hotel public area needs when window, feature and general lighting have to be controlled separately. Order it with MSTARLED heads carrying a four-wire adapter.

### Specification

|                       |                           |
|-----------------------|---------------------------|
| Type                  | 4 wire LED track rail     |
| Current Rating        | 16A                       |
| Profile               | Same size as Nordic Track |
| Lengths               | 1m, 1.5m, 2m, 3m          |
| Head Adapter Required | 4 wire                    |

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