**HONDEL LIGHTING**

**HONDEL LIGHTING**

# Table of contents

## Continuous innovation

There is no end to progress

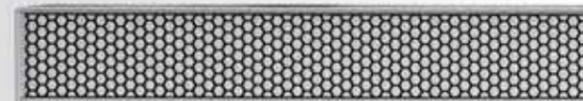## FX OFFICE LINEAR LIGHT-LINEAR
### Light Series

## Product overview
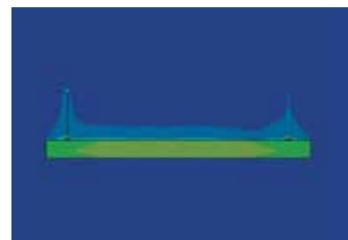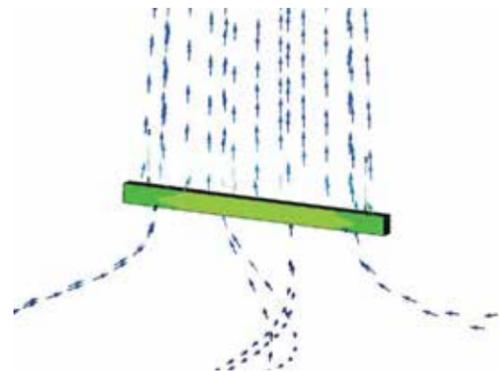
Glow on

Glowing

### THERMAL CONTROL TECHNOLOGY

Advanced finite element analysis technology is used to optimize the product's heat dissipation structure design. The lamp's temperature rise is well controlled, the temperature difference between inside and outside is small, the heat is evenly distributed, and the luminous flux maintenance rate is high.
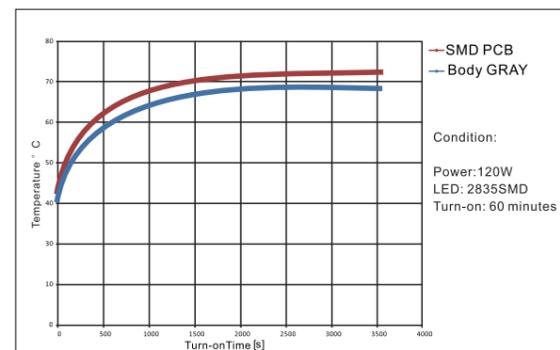
Conduction heat dissipation diagram

The impact of lamp heat on air

Convection cooling diagram

Temperature rise curve

Condition:

Power:120W
LED: 2835SMD
Turn-on: 60 minutes

SMD PCB
Body GRAY

Temperature ° C

Turn-onTime [s]

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## EXPLODED VIEW

Upper luminous PC cover

LED2835S MD

High thermal conductivity aluminum substrate

LED power driver

6063 aluminum

PC injection molded end caps

High thermal conductivity aluminum substrate

LED 2835 SMD

High light transmittance diffuser

Main body 6063 aluminum

Cellular network
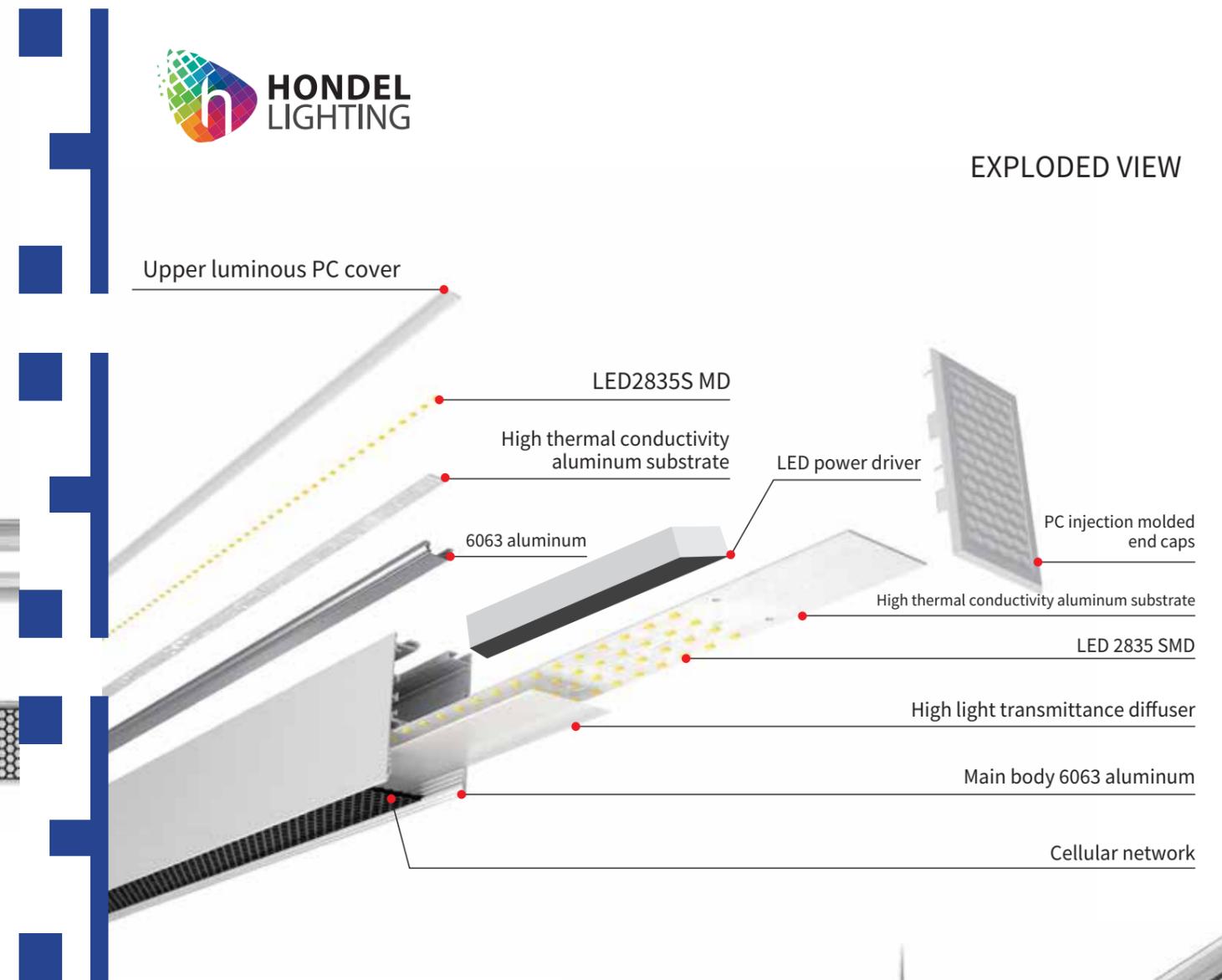
## BACKLIGHT DETAILS

## APPLICATION SCENARIOS

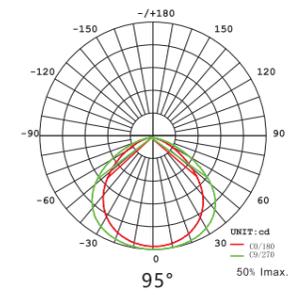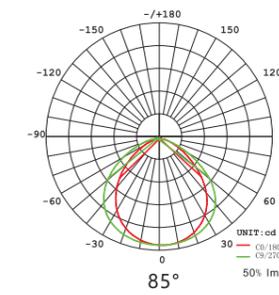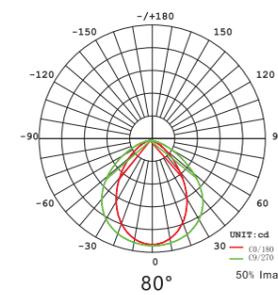Suitable for office lighting, commercial lighting, home lighting and other scenarios

**HONDEL LIGHTING**

CONFERENCE ROOM LIGHTING

OFFICE LIGHTING

COMMERCIAL LIGHTING

# NO FLICKER, ANTI-GLARE

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**HONDEL LIGHTING**

**High CRI**

Professional anti-glare structure design, no pressure on the human eye, soft light and more eye protection.

Other similar products........

FX series office lights........

**Optics**

Our team of engineers can provide professional DIALUX illuminance simulation services for your lighting projects.
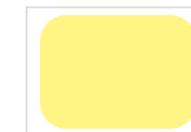
80°

85°

95°

**Lighting angle**

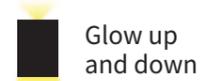| GR-FX3880 | GR-FX5080 | GR-FX6890 |
|-----------|-----------|-----------|
| 120°*80° | 120°*85° | 120°*95° |

# Line drawing
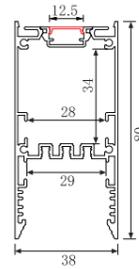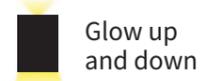
## PRODUCT COLOR



Standard version silver

Standard version black

Standard version white

### GR-FX3880



12.5
34
28
29
38
80

Glow up and down

### GR-FX5080



12.5
37
40
45
50
80

Glow up and down

### GR-FX6890



18.4
37
58
61
68
90
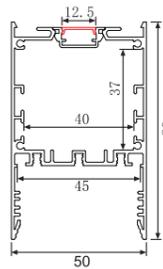
Glow up and down

## MAIN PARAMETERS

| Model | GR-FX3880 | GR-FX5080 | GR-FX6890 |
|---|---|---|---|
| Appearance size | L Any Length*W38*H80mm | L any length*W50*H80mm | L any length*W68*H90mm |
| Circuit board size | L any length*W29*1.2mm | L any length*W39*1.2mm | L any length*W59*1.2mm |
| Applicable power | 40W/M | 60W/M | 80W/M |
| Diffuser optical system | L1200/2400*W35*H1.0mm | L1200/2400*W47*H1.0mm | L1200/2400*W64*H1.0mm |
| Rhombus plate optical system | L1200/2400*W35*H1.2mm | L1200/2400*W47*H1.2mm | L1200/2400*W64*H1.2mm |
| Honeycomb/horizontal stripe optical system corresponding dimensions | 159MM | 280MM | 286MM |
| Optical system/ glare value | Rhombus cover | Cellular network | Horizontal stripes |
| | UGR≤20 | UGR≤16 | UGR≤14 |
| Beam angle | 120*80 degrees | 120*85 degrees | 120*95 degrees |
| Upper light module | Split type | Split type | All-in-one |
| Main structure | Stretched aluminum | | |
| Aluminum color | Oxidation/Black/White | | |
| End cap | Injection molding PC | | |
| Light source type | LED 2835 SMD | | |
| Light distribution | Symmetrical light distribution | | |
| Protection level | IP20 | | |
| Installation method | Ceiling mounted | Hoisting | |
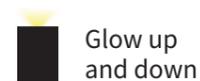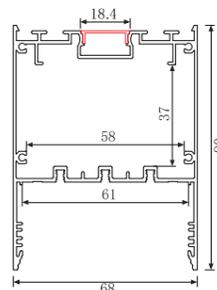
## OPTICAL SYSTEM

### Diffusion plate



### Honeycomb
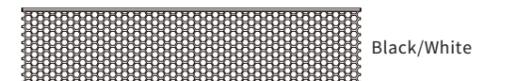


Black/White

### Prism plate



### Grille



Black/White

## FEATURES

1. New heat dissipation design ensures greater durability.
2. Quick and easy installation.
3. Adjustable brightness to meet the needs of various working environments.
4. Suitable for office buildings, offices, commercial spaces, and other settings.
5. Upward and downward illumination provides both primary and ambient lighting.
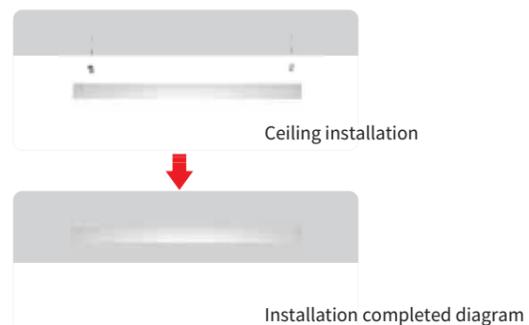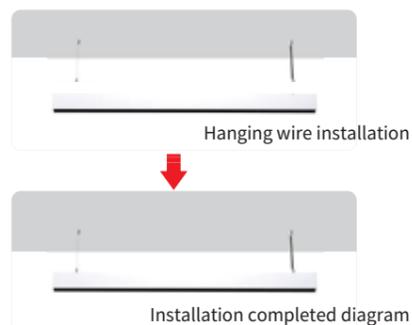
## ACCESSORIES

## THINGS TO NOTE

1. Installation must be performed by a professional electrician.

2. Do not disassemble the lamp to avoid danger.

3. During installation, wire ends must be protected.
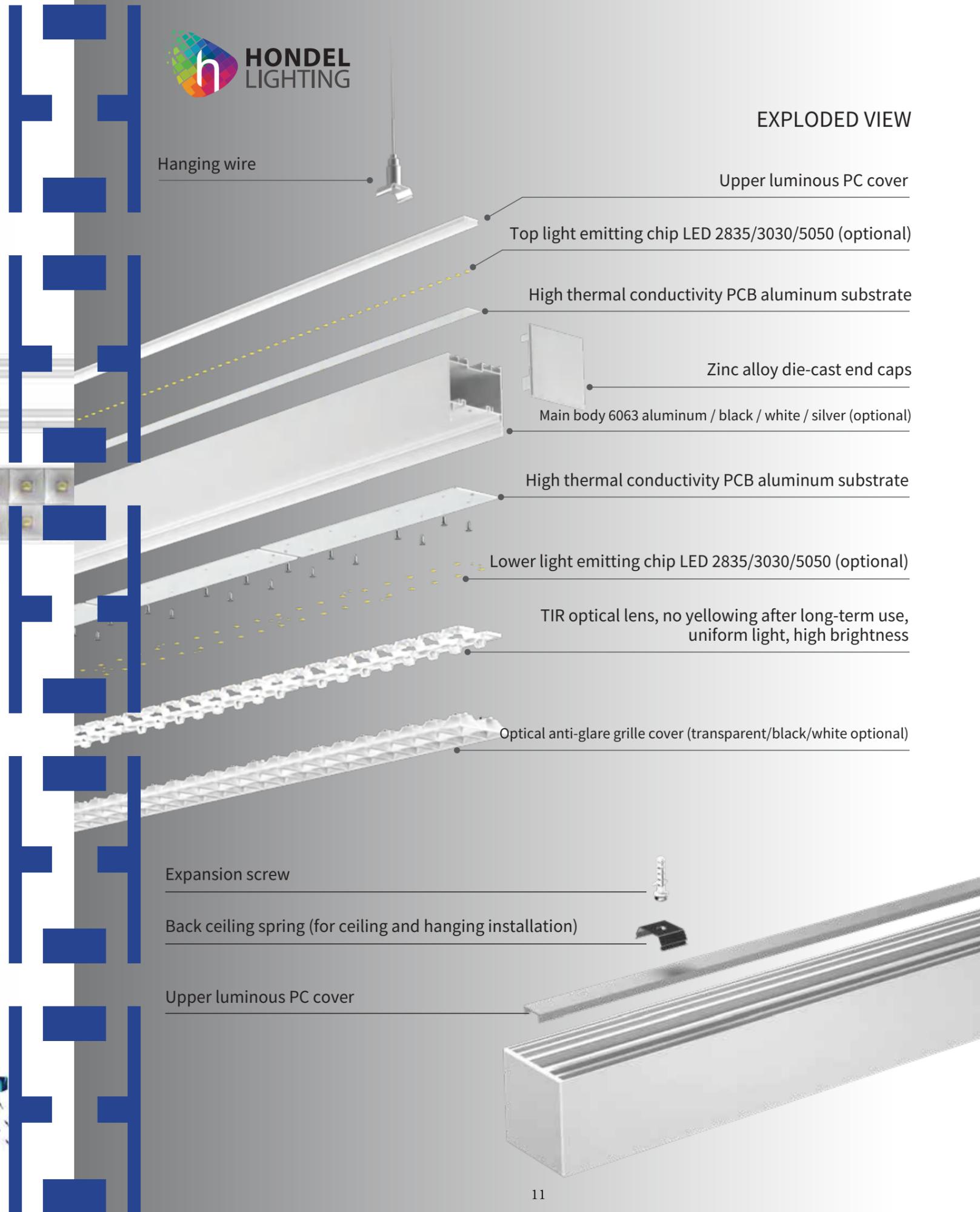
Perspective view

Hanging wire installation

Ceiling installation

Installation completed diagram

Installation completed diagram

# GR-ANTI-GLARE
## OFFICE LAMP-FLAT SERIES

**LED LIGHTING ACCESSORIES AND TECHNICAL SYSTEM SOLUTION PROVIDER**

## PRODUCT OVERVIEW

Glow on

Glowing

## THERMAL CONTROL TECHNOLOGY

Advanced finite element analysis technology is used to optimize the product's heat dissipation structure design. The lamp's temperature rise is well controlled, the temperature difference between inside and outside is small, the heat is evenly distributed, and the luminous flux maintenance rate is high.

Conduction heat dissipation diagram

The impact of lamp heat on air

SMD PCB
Body GRAY

Condition:
Power:60W
LED: 2835SMD
Turn-on: 60 minutes

Temperature / °C

Turn-onTime [s]

**Temperature rise curve**

**Convection cooling diagram**

**Convection cooling diagram**

## EXPLODED VIEW

Hanging wire

Upper luminous PC cover

Top light emitting chip LED 2835/3030/5050 (optional)

High thermal conductivity PCB aluminum substrate

Zinc alloy die-cast end caps

Main body 6063 aluminum / black / white / silver (optional)

High thermal conductivity PCB aluminum substrate

Lower light emitting chip LED 2835/3030/5050 (optional)

TIR optical lens, no yellowing after long-term use, uniform light, high brightness

Optical anti-glare grille cover (transparent/black/white optional)

Expansion screw

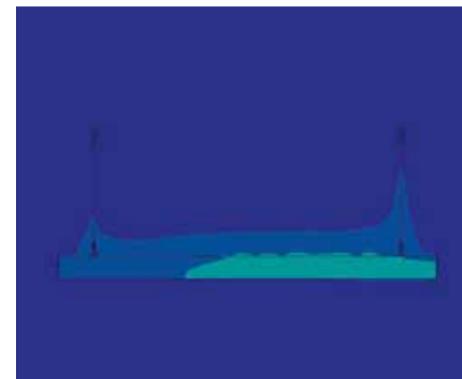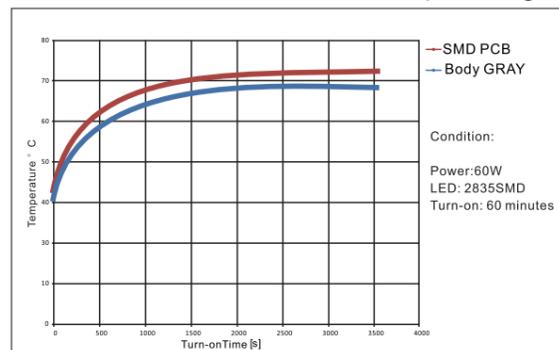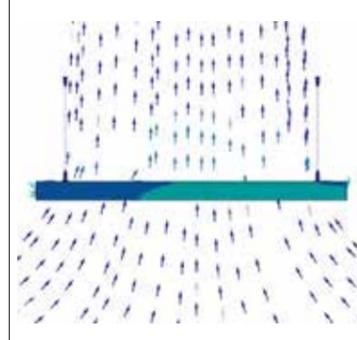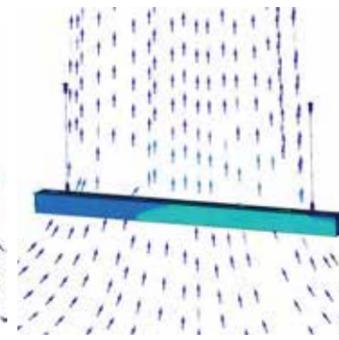Back ceiling spring (for ceiling and hanging installation)

Upper luminous PC cover

**APPLICATION SCENARIOS**

Suitable for office lighting, commercial lighting and other places

**NO FLICKER, ANTI-GLARE**

Office

Study

Dining table

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**HIGH CRI**

PROFESSIONAL ANTI-GLARE STRUCTURE DESIGN, NO PRESSURE ON THE HUMAN EYE, SOFT LIGHT AND MORE EYE PROTECTION.
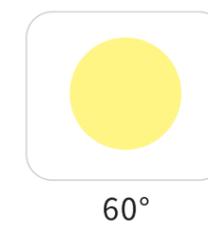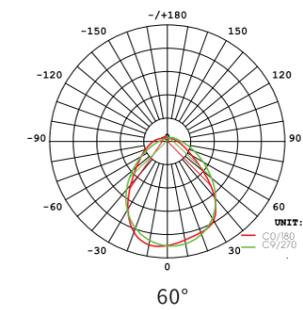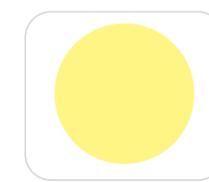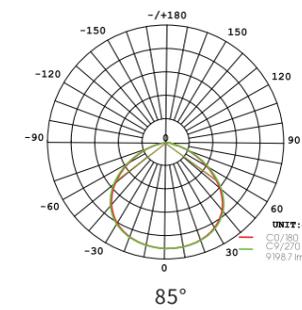
Other similar products........

Flat series linear lights........

**UGR ≤ 19**

Our engineering team can provide professional DIALUX illumination simulation services for your lighting projects.

**OPTICS**

60°

85°

60°

85°

## VARIOUS STYLES

Unit:MM



**SINGLE LAYER**

Single sided light

GR-KY3528G

16.8
33
30.3
65
35
32.8
28
35

**DOUBLE LAYER**

Glow up and down

GR-KY3565D



**SINGLE LAYER**

63
65
28

Single sided light

GR-KY6528G

62.8
16.8
62.8
30.3
65
65

**DOUBLE LAYER**

Glow up and down

GR-KY6565D



92.5
95
28

**SINGLE LAYER**

Single sided light

GR-KY9528G

92.5
92.5
30.2
65
95

**DOUBLE LAYER**

Glow up and down

GR-KY9565D

14

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### PRODUCT SPECIFICATIONS



Standardsilver oxide

Standard version white

Standard version black
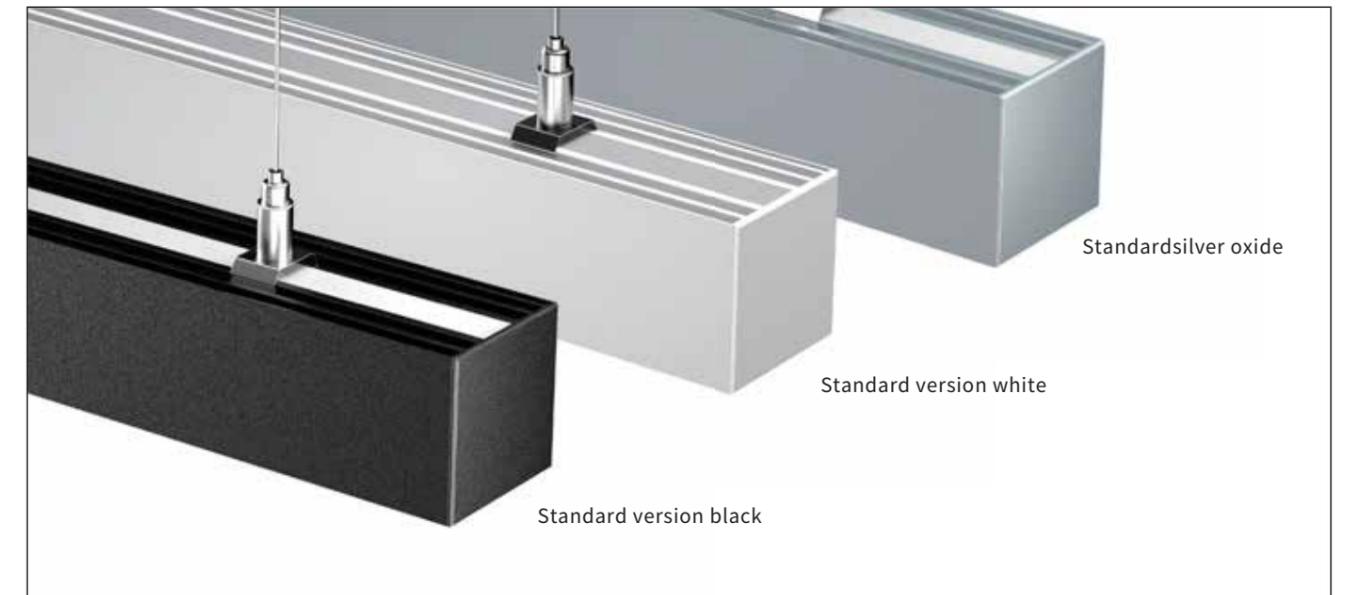
### MAIN PARAMETERS

| Model | GR-GX-KY3528G | GR-GX-KY3565D | GR-GX-KY6528G | GR-GX-KY6565D | GR-GX-KY9528G | GR-GX-KY9565D |
|---|---|---|---|---|---|---|
| Appearance size | L any length*W35*H28 | L any length*W35*H65 | L any length*W65*H28 | L any length*W65*H65 | L any length*W95*H28 | L any length*W95*H65 |
| Circuit board size | L*W23*1.2MM | | L*W23*1.2MM*2 | | L*W23*1.2MM*3 | |
| Applicable power | 40W | | 60W | | 120W | |
| Optical system specifications | Single row L270*W30MM | | Double row L270*W60MM | | Three rows L270*W90MM | |
| Optical system/glare value | UGR-19 | | | | | |
| Beam angle | 60°/85° | | | | | |
| Backlight mode | None | Yes (integrated) | None | Yes (integrated) | None | Yes (integrated) |
| Lamp body material | Aluminum 6063 | | | | | |
| Aluminum color | Silver oxide/black/white | | | | | |
| End cap size material | W35*H28 zinc alloy die-casting | W35*H65 zinc alloy die-casting | W65*H28 zinc alloy die-casting | W65*H65 zinc alloy die-casting | W95*H28 zinc alloy die-casting | W95*H65 zinc alloy die-casting |
| Applicable light source type | LED 2835/3030/5050 | | | | | |
| Optical light distribution mode | Symmetrical light distribution | | | | | |
| Protection level | IP20 | | | | | |
| Installation method selection | Ceiling mount/hanging mount | | | | | |
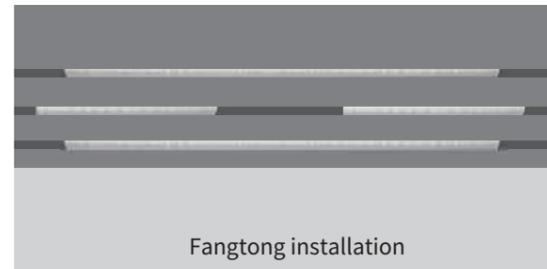


Transparent anti-glare cover          White anti-glare cover          Black anti-glare cover

15

**FEATURES:**

**THINGS TO NOTE**

1. Installation must be performed by a professional electrician.

2. Do not disassemble the lamp to avoid danger.

Hanging wire installation
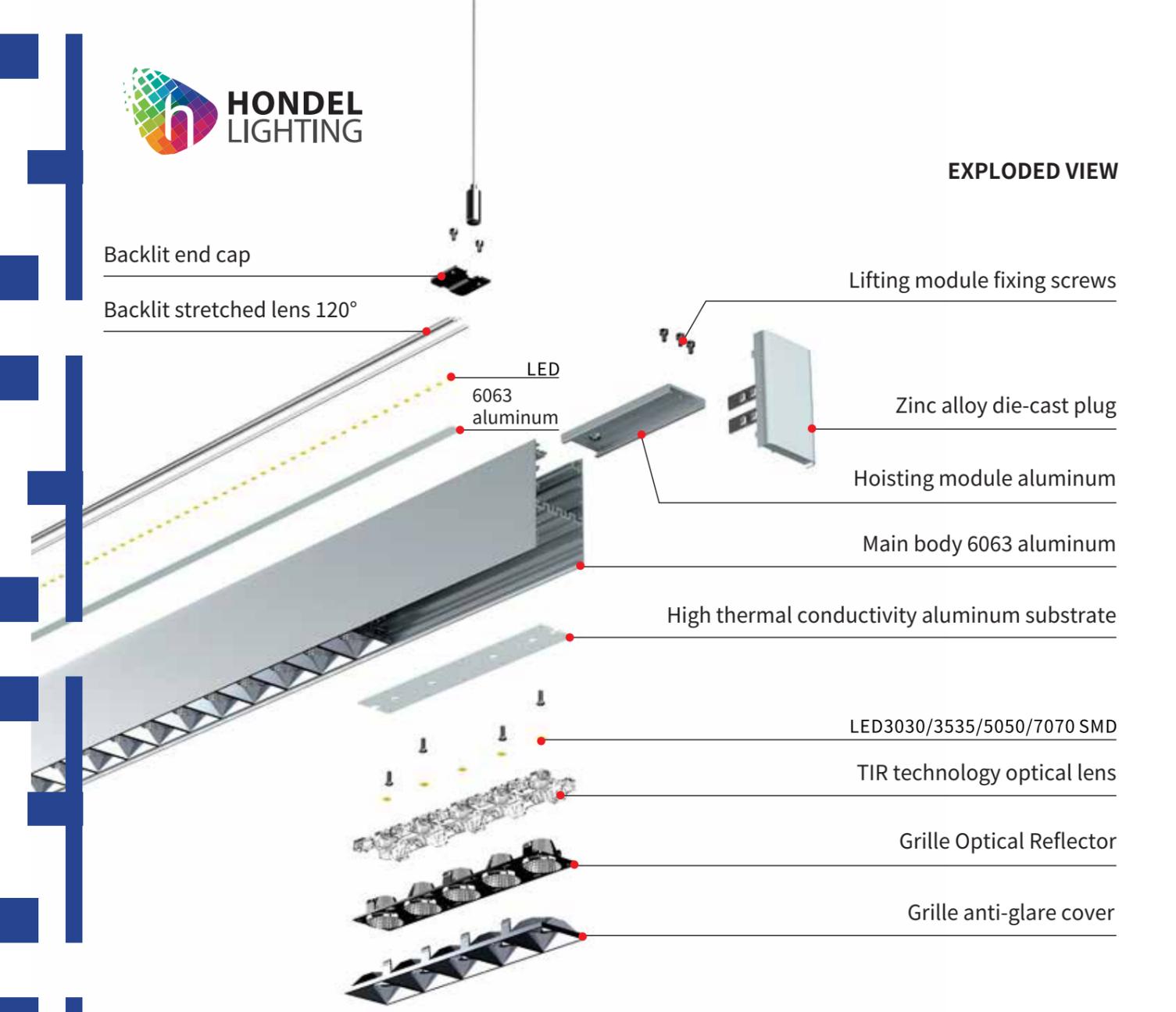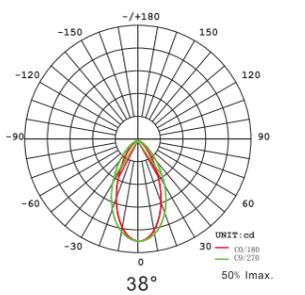
Ceiling installation

Fangtong installation
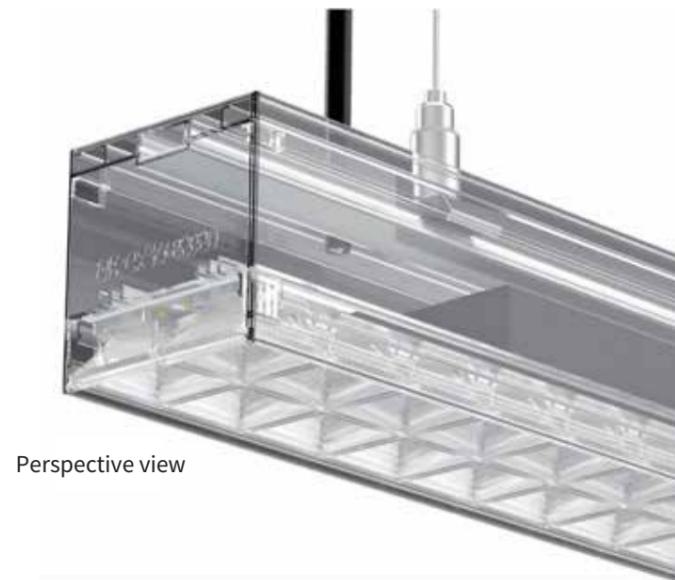
Perspective view

**GR-GX OFFICE LINEAR LIGHT - BAOGUANG SERIES**

**LED LIGHTING ACCESSORIES AND TECHNICAL SYSTEM SOLUTION PROVIDER**

## PRODUCT OVERVIEW

BACK A

BACK B

FRONT

## THERMAL CONTROL TECHNOLOGY

Advanced finite element analysis technology is used to optimize the product's heat dissipation structure design. The lamp's temperature rise is well controlled, the temperature difference between inside and outside is small, the heat is evenly distributed, and the luminous flux maintenance rate is high.

Conduction heat dissipation diagram

The impact of lamp heat on air

Convection cooling diagram

Temperature rise curve

- SMD PCB
- Body GRAY

Condition:

Power:120W
LED: 2835SMD
Turn-on: 60 minutes

Temperature °C

Turn-onTime [s]

18

## EXPLODED VIEW

Backlit end cap

Backlit stretched lens 120°

Lifting module fixing screws

LED

6063 aluminum

Zinc alloy die-cast plug

Hoisting module aluminum

Main body 6063 aluminum

High thermal conductivity aluminum substrate

LED3030/3535/5050/7070 SMD

TIR technology optical lens

Grille Optical Reflector

Grille anti-glare cover

## BACKLIGHT DETAILS

Backlit end cap

Backlit stretched lens 120°

19

# APPLICATION SCENARIOS

Suitable for office lighting, commercial lighting,
home lighting and other scenarios
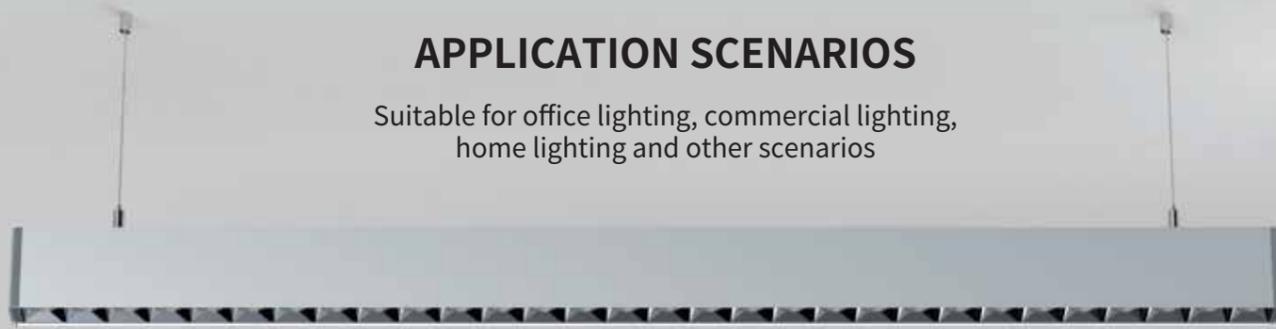
**NO FLICKER, ANTI-GLARE**

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**HIGH CRI**

Professional anti-glare structure design, no pressure on the human eye,
soft lightand more eye protection.

Other similar products........     GX series office lights........

**UGR<16**

**OPTICS**

Our engineering team can provide professional DIALUX illumination
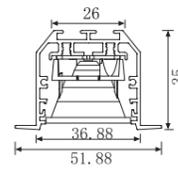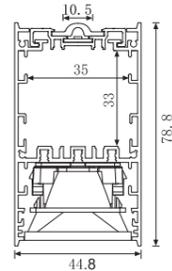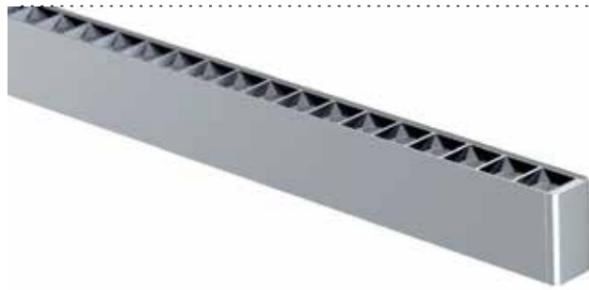simulation services for your lighting projects.

## LIGHTING ANGLE

| 12° | 24° | 38° | 50° | 50°*50° | 70°*70° | 35°*70° |
|-----|-----|-----|-----|---------|---------|---------|

12°     24°     38°

# LINE DRAWING



## GR-GX30

10.5
28
35.5
76.88
36.88

Glow up and down

## GR-GX30A

26
35
36.88
51.88

Embedded

## GR-GX38

10.5
35
33
78.8
44.8

Glow up and down

## GR-GX38A

35
38
44.8
59.8

Embedded

## GR-GX4575

10.5
36
35
74.8
44.8

Glow up and down

22

## PRODUCT COLOR



Standard electrophoretic silver

Standard version white

Standard version black
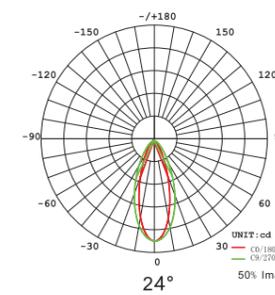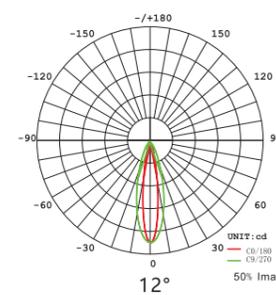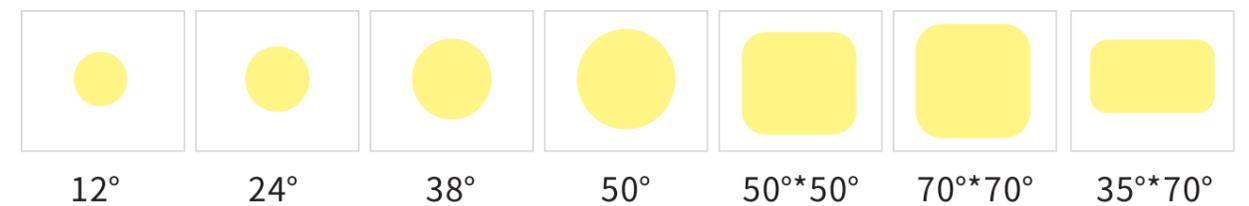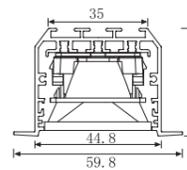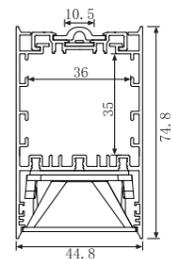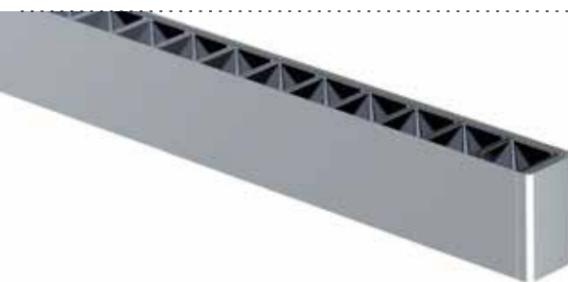
## MAIN PARAMETERS

| Model | GR-GX30 | GX-30A EMBEDDED | GR-GX38 | GX-38A EMBEDDED | GR-GX4575 |
|---|---|---|---|---|---|
| Appearance size | L any length*W36.8*H76.8mm | L any length*W51.8*H35mm | L any length*W44.8*H78.8mm | L any length*W59.8*H38mm | L any length*W44.8*H74.8mm |
| Circuit board size | L optical length*W29*1.2mm | L optical length*W29*1.2mm | L optical length*W33*1.2mm | L optical length*W33*1.2mm | L optical length*W36*1.2mm |
| Applicable power | 40-60W/M | | 45-70W/M | | 45-70W/M |
| Optical system specifications | 5-lens reflector cup | | 5-lens reflector cup | | 7 single and double color lenses |
| Optical system size | L132.5*30MM | | L189.5*38MM | | L285.5*40.8MM |
| Optical system beam angle | 15° 24° 36° 48° 35x70° 40x40° 60x60° DP30° | | 12° 24° 38° 48° 35x70° 50x50° 70x70° DP30° | | 60° 100° |
| Optical mask color | Black/White/Transparent/Blackish/Purple/Gunmetal/Gold | | Black/White/Transparent/Gunmetal/Gold | | Black/White/Silver |
| Optical system Glare value | UGR≤14 | | | | UGR≤16 |
| Size and beam angle of the integrated optical system | 1176*30MM | | 1176*38MM | | None |
| | 60°90° single polarization. Dual polarization. | | 60°90° Single polarization. Dual polarization | | |
| Upper light module beam angle | split type | None | split type | None | split type |
| | 120° | | 120° | | 120° |
| Main structure | Stretched aluminum | | | | |
| Aluminum color | Oxidation/black/white/customizable color | | | | |
| End cap | Zinc alloy anti-light leakage screwless structure | Zinc alloy | Zinc alloy anti-light leakage screwless structure | Zinc alloy | Zinc alloy anti-light leakage screwless structure |
| Light source type | LED 2835/3030/3535/5050 SMD | | LED 2835 3030 3535 5050 7070 SMD | | LED 5050 7070 SMD |
| Light distribution | Symmetrical light distribution | | | | |
| Protection level | IP20 | | | | |
| Installation method | Hoistinz | Embedded | Hoisting | Embedded | Hoisting |
| Features | Modular design for easy assembly and disassembly | | | | |

## LENS COLOR



Black

White

Silver

Gun color

Gold

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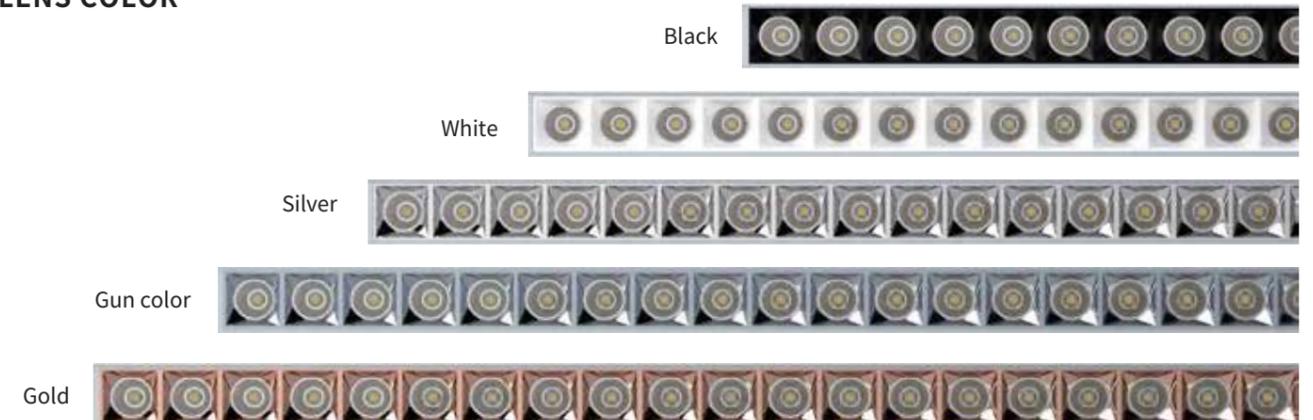
## FEATURES

1. New heat dissipation design makes the product more durable.
2. Quick and easy installation.
3. Adjustable brightness to meet the needs of different working environments.
4. Suitable for office buildings, offices, commercial spaces, and other settings.
5. Energy-saving and environmentally friendly, free of harmful substances, creating a more comfortable environment.
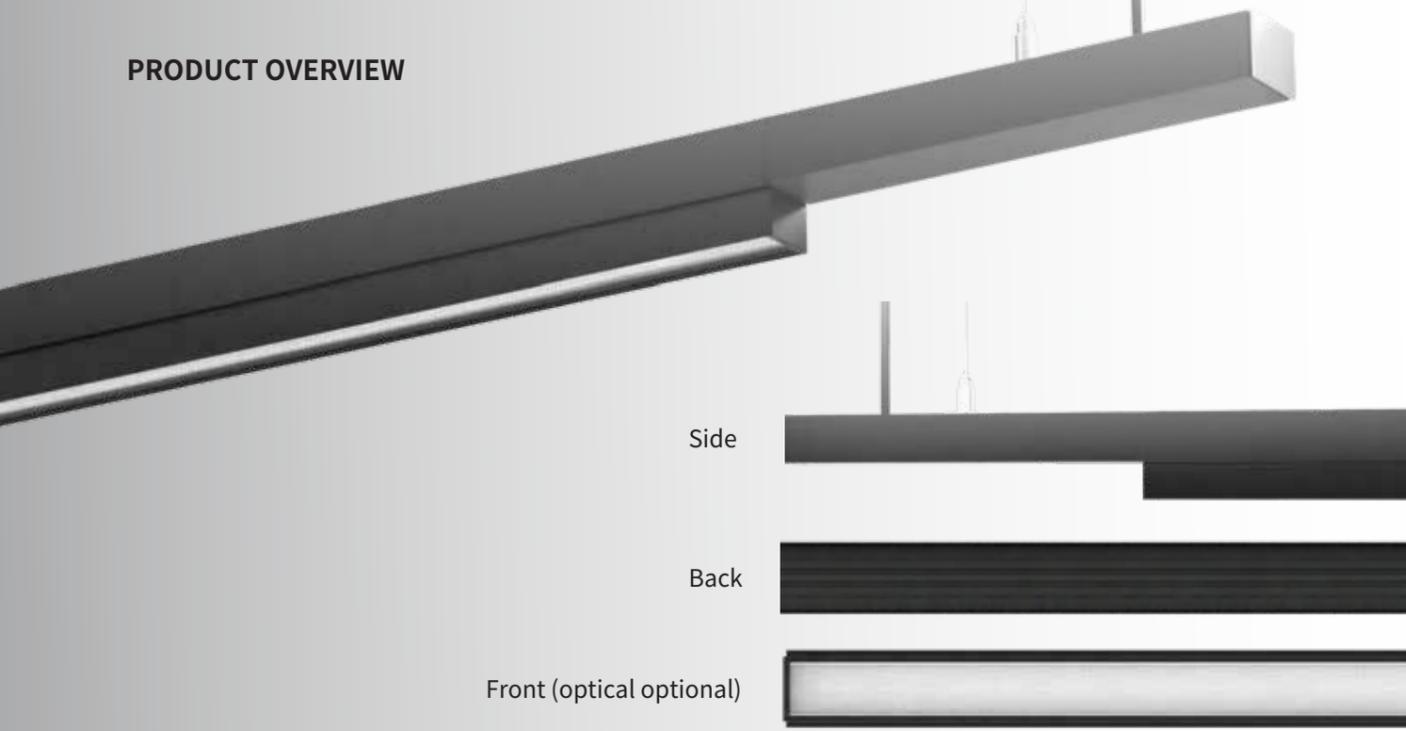
### ACCESSORIES

## THINGS TO NOTE

1. Installation must be performed by a professional electrician.
2. Do not disassemble the lamp to avoid danger.
3. During installation, wire ends must be protected.

Hanging wire installation

Installation completed diagram

Perspective view
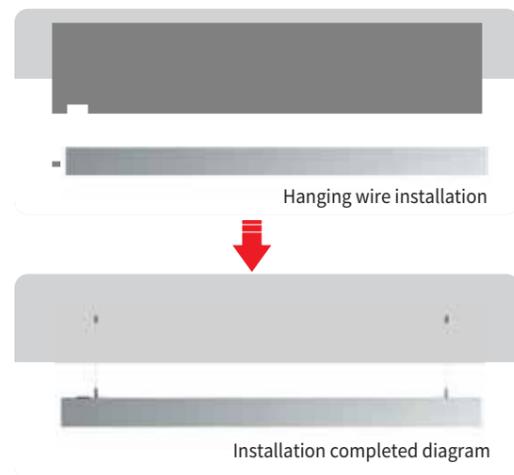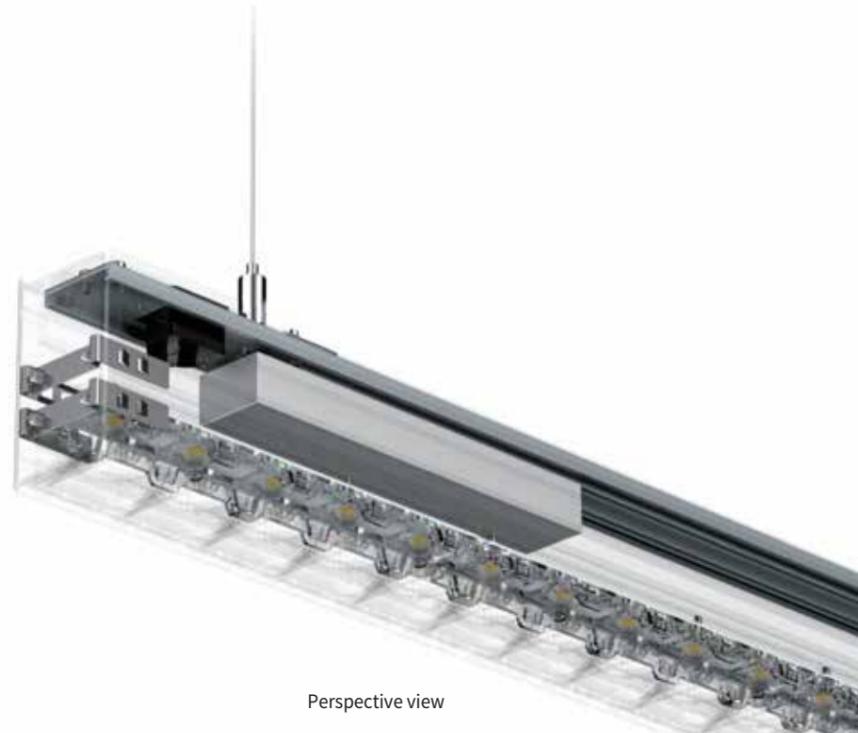
# GR-IOT BRIDGE LIGHT SPRING SERIES

LED LIGHTING ACCESSORIES AND TECHNICAL SYSTEM SOLUTION PROVIDER

## PRODUCT OVERVIEW



Side

Back

Front (optical optional)

## THERMAL CONTROL TECHNOLOGY

Advanced finite element analysis technology is used to optimize the product's heat dissipation structure design.
The lamp's temperature rise is well controlled, the temperature difference between inside and outside is small, the heat is evenly distributed, and the luminous flux maintenance rate is high.



Conduction heat dissipation diagram
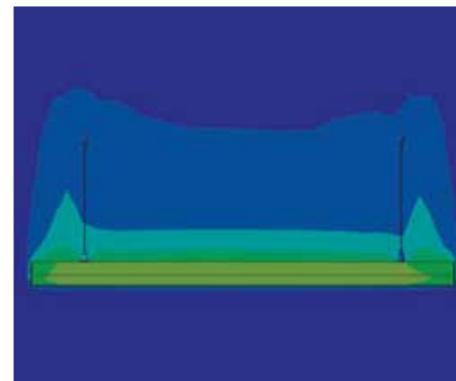


The impact of lamp heat on the environment



SMD PCB
Body GRAY

Condition:

Power:60W
LED: 2835SMD
Turn-on: 60 minutes

Temperature rise curve

26



Convection cooling diagram



Convection cooling diagram

**EXPLODED VIEW**



Ceiling wire/universal hanging wire)

Zinc alloy one-piece die-cast screwless structure

6063 aluminum wiring trough base

Built-in power driver

Decorative covering board without lighting

Zinc alloy one-piece die-cast screwless structure

6063 aluminum lamp body

PCB high thermal conductivity aluminum substrate

LED 2835 3030 3535 5050 SMD (more light sources are optional)

PC lampshade

Injection lens/optical lens reflector cup/diamond crystal cover/
honeycomb mesh/horizontal stripes (various optical combinations are optional)



Cross-sectional view of
cable duct combination

27

**CEILING WIRE/UNIVERSAL HANGING WIRE)**
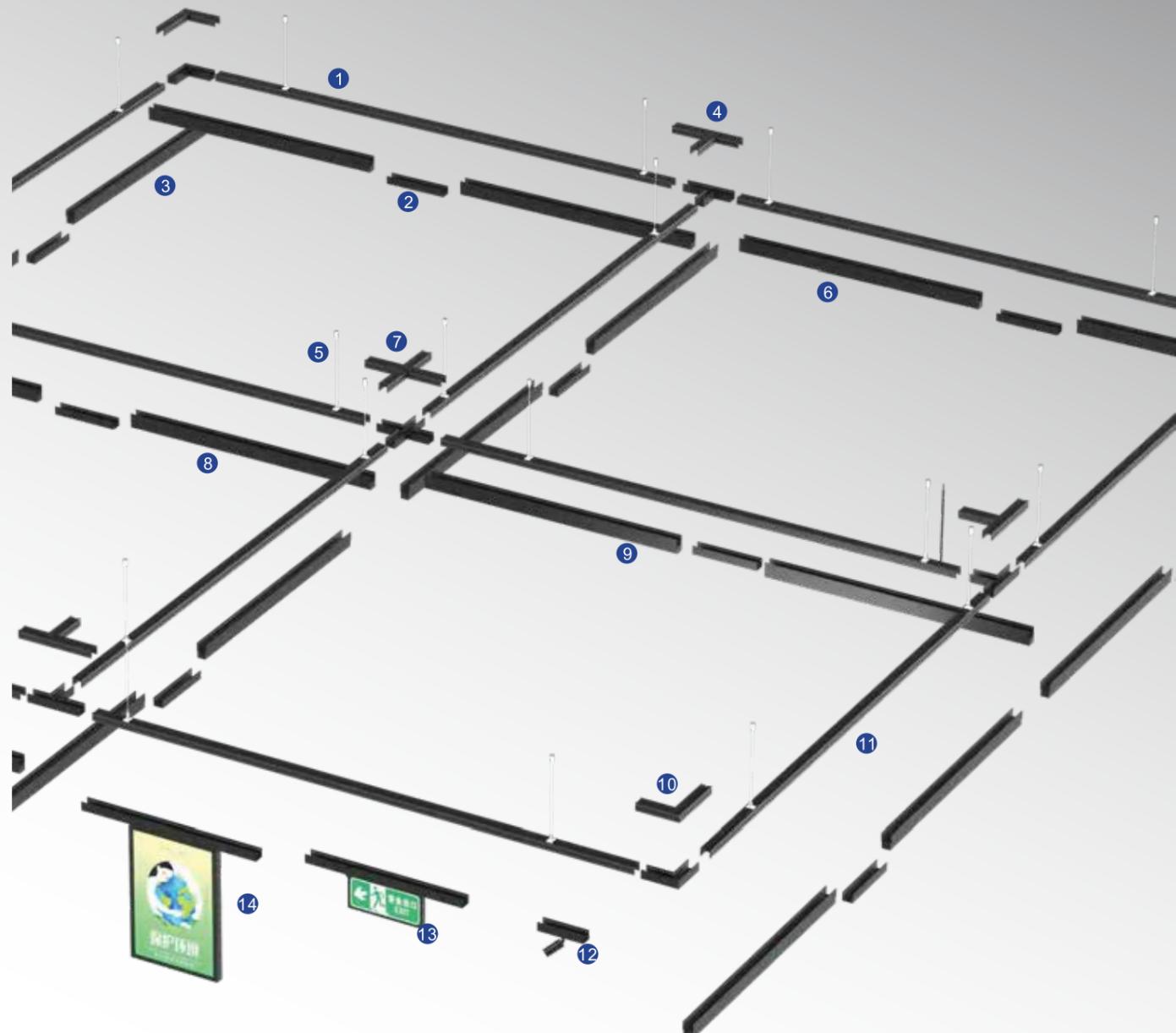


1. Aluminum cable duct (without indirect lighting)
2. Decorative cover
3. GR-D45-30 products can be spliced to any length (optional: diamond crystal cover, honeycomb mesh, horizontal stripes, or optical lens)
4. T-rail module
5. End cap (for ceiling and hanging cables)
6. GR-D45-38 products can be spliced to any length (reflector colors available: black, white, transparent, or gunmetal)
7. Cross-shaped wire bridge module

8. GR-D45-DK40 products can be spliced to any length (optional lens colors: black, white, or silver)
9. GR-D45-DK560/570 products can be spliced to any length (transparent anti-glare finish)
10. L-shaped wire bridge module
11. Lighting wire bridge (customizable length)
12. Single spotlight module (configurable with different lighting product modules)
13. Emergency exit module (easy wire bridge installation)
14. Advertising board module (varies in size depending on wire bridge installation)

**VARIOUS OTHER FUNCTIONS CAN BE ADDED UNLIMITEDLY...**

## OPTICAL SYSTEM GLARE VALUE



UGR≤20

UGR≤19

UGR≤16

UGR≤16

UGR≤16

UGR≤16

UGR≤19

UGR≤19

UGR≤19

### OPTICS

Technical Support: Please provide the length, width, and height of the space, as well as the application scenario. We have a team of engineers who can provide DIALUX illuminance simulations.
IE files are available upon request.



15°    24°    36°    48°    60°

85°    110°    35°*70°    40°*40°    40°*70°    60°*60°
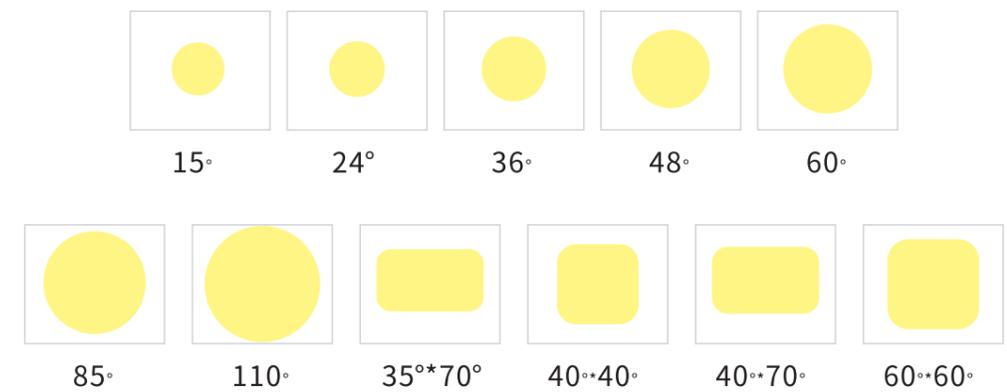
## APPLICATION SCENARIOS

Applicable to office lighting, commercial lighting, industrial lighting and other fields.

**NO FLICKER, ANTI-GLARE**

## VARIOUS OPTICAL COMBINATIONS

**GR-D45-30**

Cellular network

Lens/Reflector

Horizontal stripes

Rhombus cover

45mm
67.5mm
30mm

45mm
34mm
27mm
31mm
67.5mm
30.5mm

**GR-D45-38**

Black reflector

Transparent reflective cup

Reflective cup gunmetal color

White reflector

34.5mm
30mm
75mm
38mm
45mm

**GR-D45-DK40**

Silver reflector

Black reflector

White reflector

34.5mm
28.5mm
68mm
40.5mm
45mm

**GR-D45-DK570**

**GR-D45-DK560**

Transparent anti-glare

Transparent anti-glare

34.4mm
30mm
60mm
43mm
45mm

34.4mm
29.5mm
47.5mm
55mm
40mm
45mm

## INSTALLATION INSTRUCTIONS

SNAP-ON INSTALLATION,
THE CABLE DUCT CAN BE SPLICED TO ANY LENGTH



**INSTALLATION COMPLETED EFFECT**

**SCHEMATIC DIAGRAM OF SPLICING MODULES**


Trunk connection


L-shaped connection


T-connection


Cross connection
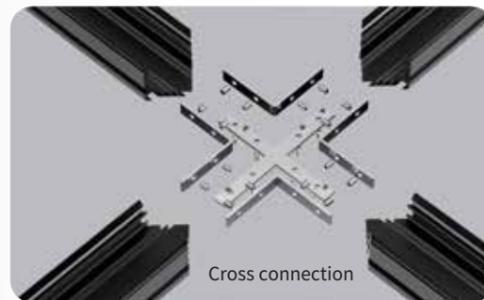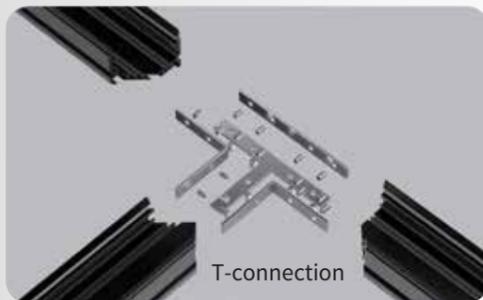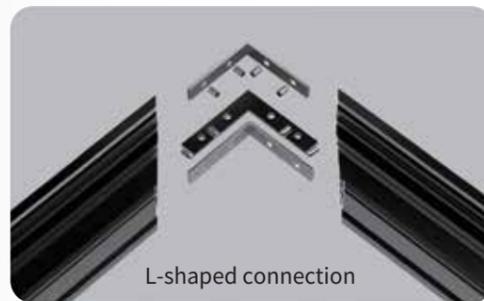
**LIGHTING WIRE BRIDGE WIRING**



wiring
5-wire and 7-wire
dial-up control

## DALI   0-10V

**HONDEL LIGHTING**

## APPLICATION SCENARIOS



Office

Office

Office



**HONDEL LIGHTING**

## MAIN PARAMETERS

Standard white

Standard oxidized silver

Standard black

| Model | GR-D45-30 | | |
|---|---|---|---|
| Appearance size | L any length*W45*H67.5mm | | |
| Circuit board size | L optical length*W29*1.2MM | | |
| Applicable power | | 40W/M | |
| Compatible with honeycomb/horizontal stripes/diamond plate corresponding sizes | 1200mm/2400mm | 159mm | 159mm |
| Honeycomb mesh/horizontal stripes/diamond crystal plate | Rhombus cover | Cellular network | Horizontal stripes |
| System glare value | UGR≤20 | UGR≤19 | UGR≤16 |
| Beam angle | | 120° | |
| Compatible optical lens/reflector cup corresponding sizes | | 132.5*30mm 5 heads/set | |
| Optical system beam angle | | 15° 24° 36° 45°48° | |
| Optical lens mask color | | Black/White/Transparent/Gunmetal | |
| Lighting combination | | Split combined type | |
| Main aluminum color | | Silver oxide/black/white | |
| End cap | | Zinc alloy one-piece die-cast screwless structure | |
| Light source type | | LED 2835 3030 3535 5050 SMD | |
| Light distribution | | Symmetrical light distribution | |
| Protection level | | IP20 | |
| Installation method | | Suspended ceiling mounted | |
| Features | | Optical combination options can be switched arbitrarily and installed quickly according to different scene requirements | |

| Model | GR-D45-38 | GR-D45-DK40 | GR-D45-DK560 | GR-D45-DK570 |
|---|---|---|---|---|
| Appearance size | L any length*W45*H75mm | L any length*W45*H68mm | L any length*W45*H60mm | L any length*W45*H55mm |
| Circuit board size | L optical length*W33*1.2MM | L optical length*W36*1.2mm | L optical length*W21.5*1.2mm | L optical length*W26.5*1.2mm |
| Applicable power | 45-70W/M | 45-70W/M | 36-70W/M | 36-70W/M |
| Compatible optical lens/reflector cup corresponding sizes | 190*38mm 5 heads/set/228*38mm 6 heads/set | L285.5*W40.5mm7-head single and double color lens | L560*W43mm | L567*W40mm |
| Beam angle | 15°24°36°48°35x70°40x40°60x60°/36° 40×70 | 60° 85° | 60° 90° 35*70° | 60° 110° |
| Optical system glare value | UGR 16 | UGR≤19 | UGR≤19 | UGR≤19 |
| Optical mask color | | Black/White/Transparent/Gunmetal | | |
| Lighting combination | | Split combined type | | |
| Main aluminum color | | Silver oxide/black/white | | |
| End cap | | Zinc alloy one-piece die-cast screwless structure | | |
| Light source type | LED 2835 3030 3535 5050 7070 SMD | | LED 2835 3030 3535 SMD | |
| Light distribution | | Symmetrical light distribution | | |
| Protection level | | IP20 | | |
| Installation method | | Suspended ceiling mounted | | |
| Features | | Optical combination options can be switched arbitrarily and installed quickly according to different scene requirements | | |

## FEATURES

1. Simple and elegant appearance, with housing options in white, black, and oxidized silver.
2. Two mounting options: ceiling mount and pendant mount.
3. Adjustable brightness to meet the needs of various work environments.
4. Suitable for office buildings, offices, commercial spaces, and other settings.
5. Main splicing installation, customizable length, and easy installation.
6. Compatible with various lighting fixtures and various other functions without restrictions.
7. Available with various lenses and reflectors for high light efficiency and a variety of colors.
8. Flexible optical combination options for quick installation.
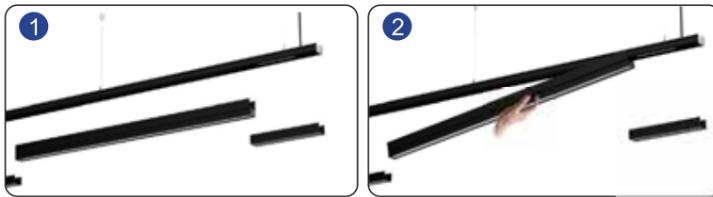
① ②

Cable trough and hanging wire installation

Cable trough ceiling installation

## THINGS TO NOTE

1. Installation must be performed by a professional electrician.
2. Do not disassemble the lamp to avoid danger.

LED lighting accessories and technical system solution provider
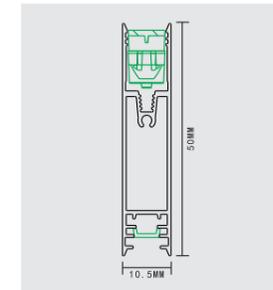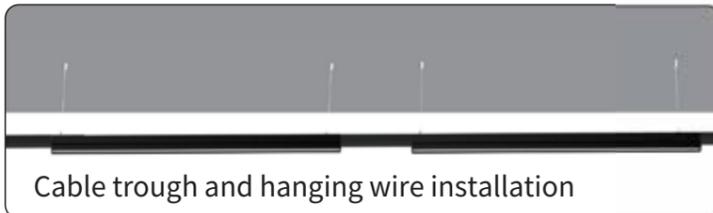
Model: GR-BGD-FX1050
Dimensions: Width 10.5" x Height 50"
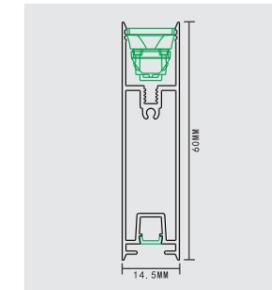
Model: GR-BGD-FX1560
Dimensions: Width 14.5" x Height 60"
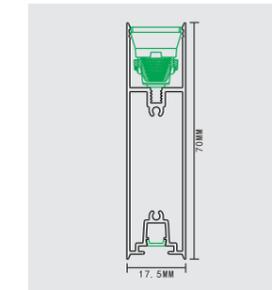
Model: GR-BGD-FX1770
Dimensions: Width W17.5" x Height H70"
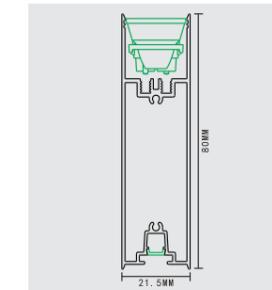
Model: GR-BGD-FX2180
Dimensions: Width W21.5" x Height H80"

### OPTICAL LENS/REFLECTOR ANGLE

Up&Down    15 degrees    24 degrees    30 degrees    36 degrees

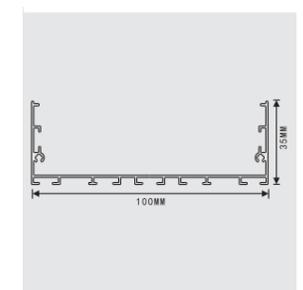**HONDEL LIGHTING**

**HONDEL LIGHTING**
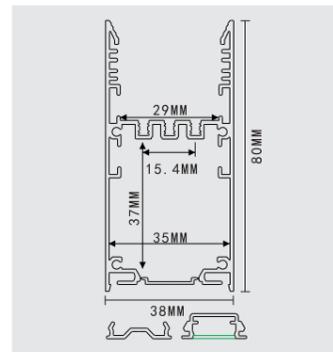
Model: GR-BGD-FX3880
Dimensions: Width W38 x Height H80
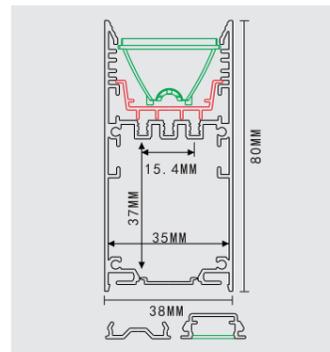
Model: GR-BGD-FX3880B
Dimensions: Width W38 x Height H80
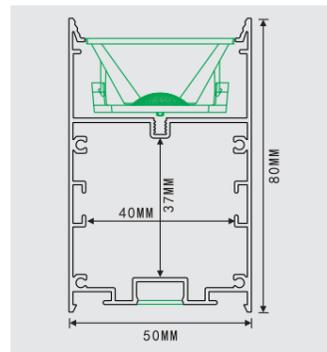
Model: GR-BGD-FX5080B
Dimensions: Width W50mm x Height H80mm
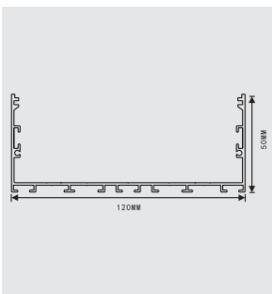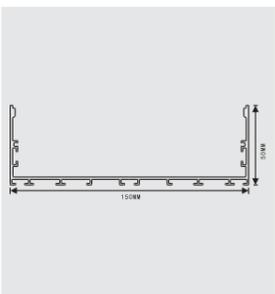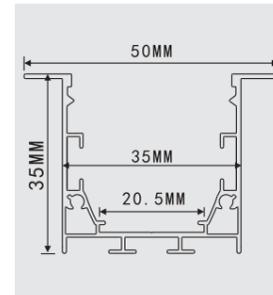
## OPTICAL LENS/REFLECTOR ANGLE

Up&Down

15 degrees

24 degrees

30 degrees

36 degrees

45 degrees

48 degrees

60x60 degrees

60 degrees

100 degrees
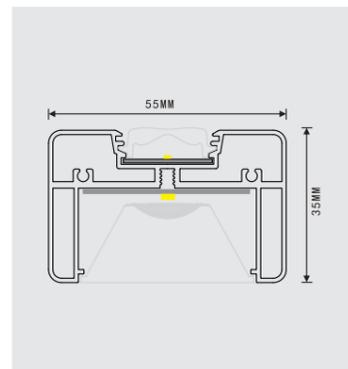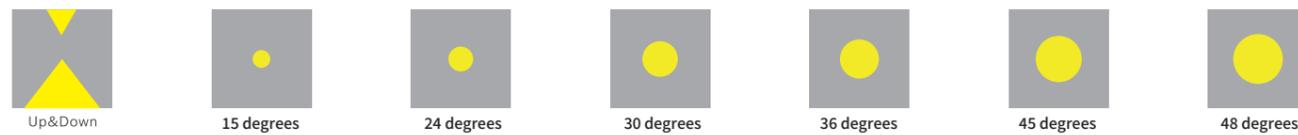
Model: GR-BGD-GX5535
Dimensions: Width W55 x Height H35
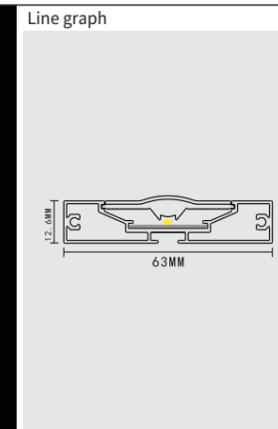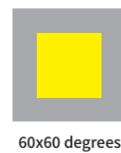
### GR-BGD-GX40

Line graph

| Linear Light Product Accessories | |
|---|---|
| Lamp body/Housting | EXTRUDED ALUMINIUM |
| Size | L*W63*H12.6MM |
| Aluminum Colour | OXIDATION BLACK BIACK WHITE |
| Optical system | PMMA stretched optical lens |
| Applicable power | 36W |
| End cap | ALUMINIUM |
| Angle adjustment/Tilting | FIXED NOT ADJUSTABLE |
| PCB Size | 23.5MM |
| Beam of Angle | 60° / 90° |
| Light Type | SMD LED |
| Unified Glare Value/GUR | UGR  16 |
| Protection grade/IP | IP 20 |
| Light Distribution | Symmetrical light distribution SYMMITRIC |
| Installation method | HANGING WIRE MOUNT |

Light distribution curve (cd/klm)

Light distribution curve (cd/klm)

angle 60°

angle 90°

### GR-BGD-GX60

Line graph

| Linear Light Product Accessories | |
|---|---|
| Lamp body/Housting | EXTRUDED ALUMINIUM |
| Size | L*W63*H12.6MM |
| Aluminum Colour | OXIDATION BLACK BIACK WHITE |
| Optical system | PMMA stretched optical lens |
| Applicable power | 50W |
| End cap | ALUMINIUM |
| Angle adjustment/Tilting | FIXED NOT ADJUSTABLE |
| PCB Size | 23.5MM |
| Beam of Angle | 60° / 90° |
| Light Type | SMD LED |
| Unified Glare Value/GUR | UGR  16 |
| Protection grade/IP | IP 20 |
| Light Distribution | Symmetrical light distribution SYMMITRIC |
| Installation method | HANGING WIRE MOUNT |

Light distribution curve (cd/klm)

Light distribution curve (cd/klm)

angle 60°

angle 90°

**GUANGRUN.ALUMINUM**
▼ PMMA stretching optical series

HONDEL LIGHTING

HONDEL LIGHTING

**GUANGRUN.ALUMINUM**
▼ Surface mounted single layer series

## GR-BGD-GX22

Line graph

| Linear Light Product Accessories | |
|---|---|
| Lamp body/Housing | EXTRUDED ALUMINIUM |
| Size | L*W25*H70MM |
| Aluminum Colour | OXIDATION BLACK BIACK WHITE |
| Optical system | PMMA stretched optical lens |
| Applicable power | 50W |
| End cap | ALUMINIUM |
| Angle adjustment/Tilting | FIXED NOT ADJUSTABLE |
| PCB Size | 22.5MM bottom 9.8MM |
| Beam of Angle | 60° / 90° / 130° / P18° / LR25°  Bottom light 80° |
| Light Type | SMD LED |
| Unified Glare Value/GUR | UGR  16 |
| Protection grade/IP | IP 20 |
| Light Distribution | Symmetrical light distribution SYMMITRIC |
| Installation method | HANGING WIRE MOUNT |

angle 60°   angle 90°   angle 130°   angle P18°   angle LR25°   angle Up80°
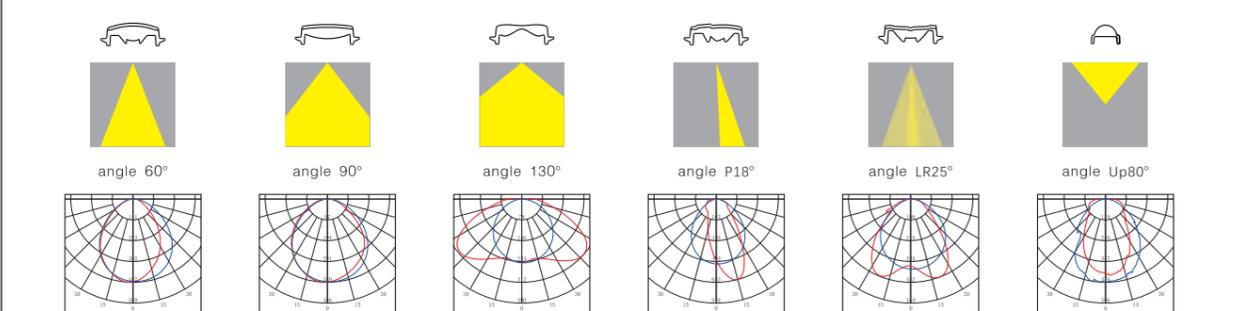
## GR-BGD-GX25

Line graph
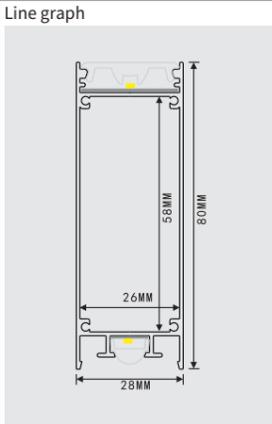
| Linear Light Product Accessories | |
|---|---|
| Lamp body/Housing | EXTRUDED ALUMINIUM |
| Size | L*W28*H80MM |
| Aluminum Colour | OXIDATION BLACK BIACK WHITE |
| Optical system | PMMA stretched optical lens |
| Applicable power | 50 |
| End cap | ALUMINIUM |
| Angle adjustment/Tilting | FIXED NOT ADJUSTABLE |
| PCB Size | 25.5MM bottom 9.8MM |
| Beam of Angle | 60° / 90° / 110° / 130°   Bottom light 80° |
| Light Type | SMD LED |
| Unified Glare Value/GUR | UGR  16 |
| Protection grade/IP | IP 20 |
| Light Distribution | Symmetrical light distribution SYMMITRIC |
| Installation method | HANGING WIRE MOUNT |

angle 60°   angle 90°   angle 110°   angle 130°   angle Up80°
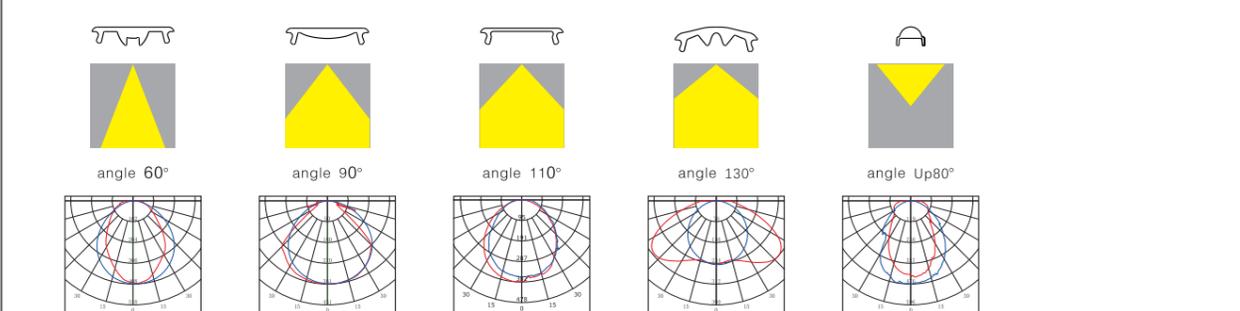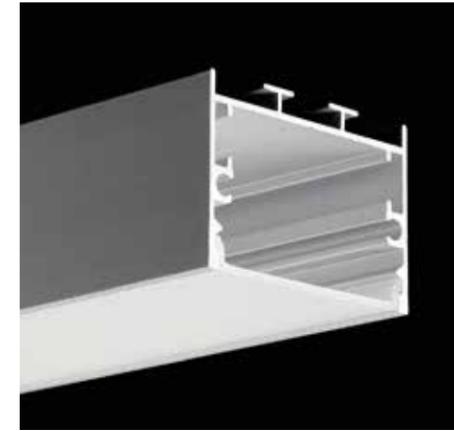
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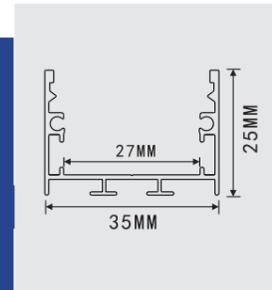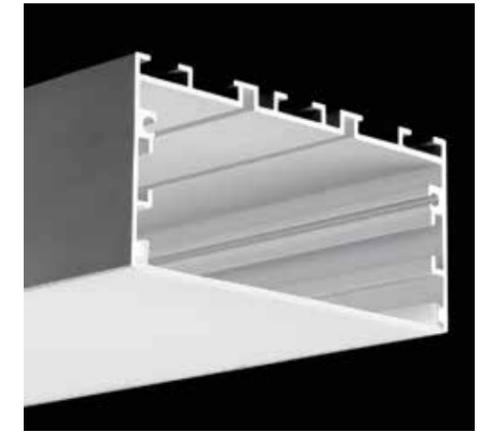
Model: GR-BGD-G3525
Dimensions: Width W35 x Height H25
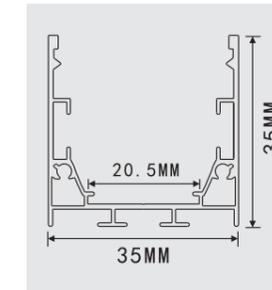
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Dimensions: Width W35 x Height H35
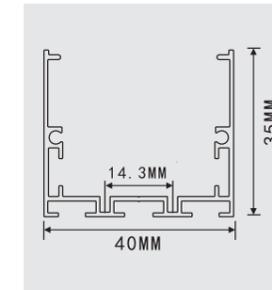
Model: GR-BGD-G40
Dimensions: Width W40 x Height H35
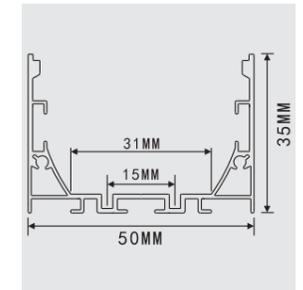
Model: GR-BGD-G50
Dimensions: Width W50 x Height H35
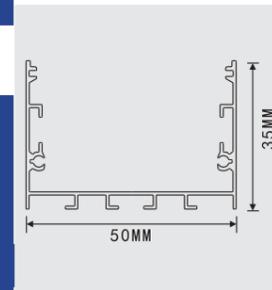
Model:GR-BGD-G50C
Size: Width W50*Height H35
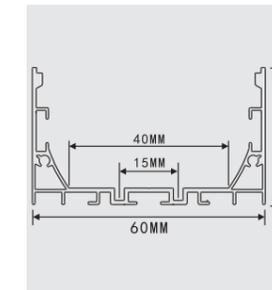
Model:GR-BGD-G60
Size: Width W60*Height H35
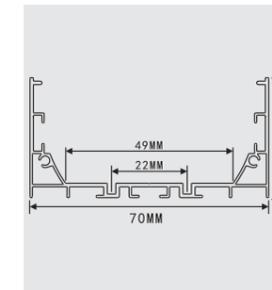
Model:GR-BGD-G70
Size: Width W70*Height H35
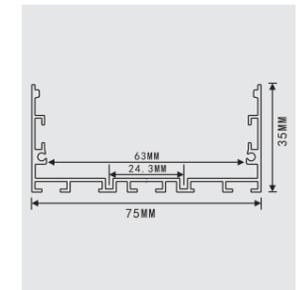
Model: GR-B BGD-G75
Dimensions: Width W75mm* Height H35mm
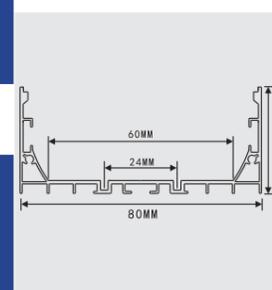
Model: GR-BGD-G80
Dimensions: Width W80 x Height H35
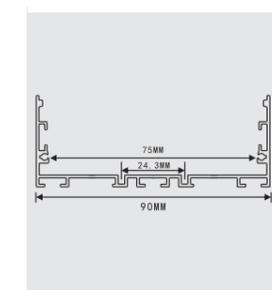
Model: GR-BGD-G90
Dimensions: Width W90 x Height H35
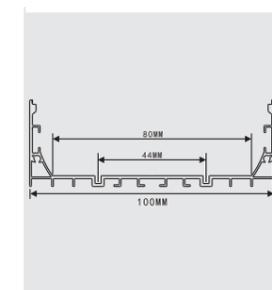
Model: GR-BGD-G100
Dimensions: Width W100 x Height H35

Model: GR-BGD-G100C
Dimensions: Width W100 x Height H35

**GUANGRUN.ALUMINUM**
▼ Surface mounted single layer series

**HONDEL LIGHTING**

**HONDEL LIGHTING**

**GUANGRUN.ALUMINUM**
▼ Concealed embedded series
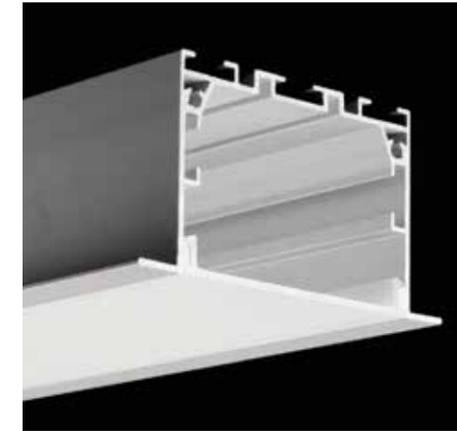
**35**
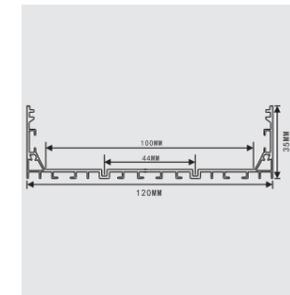
Model: GR-BGD-G120
Dimensions: Width W120mm x Height H35mm
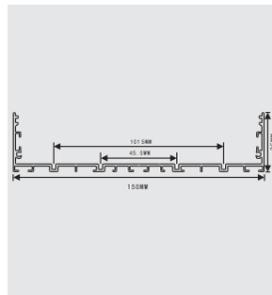
Model: GR-BGD-G150
Dimensions: Width W150 x Height H35

**STANDARD ACCESSORIES**
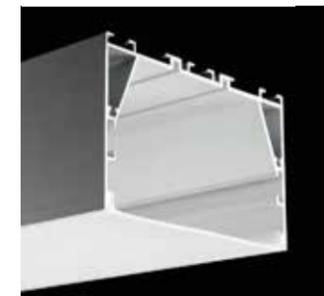


**SURFACE MOUNTED
SINGLE LAYER SERIES**

**50**
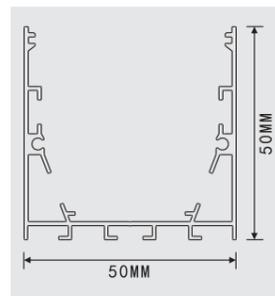
Model: GR-BGD-G50D
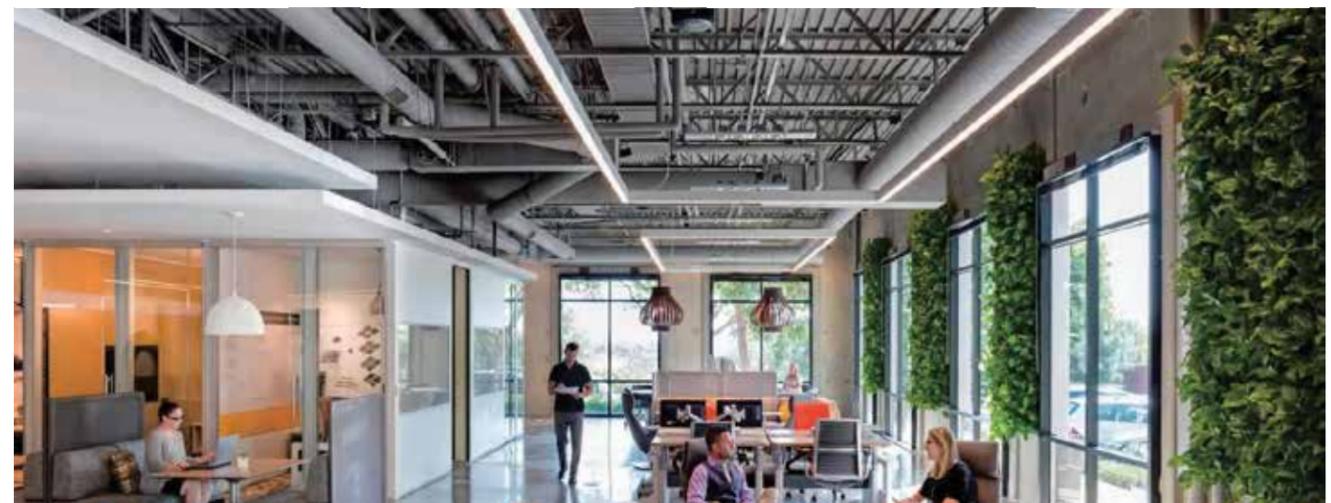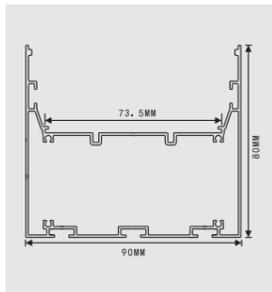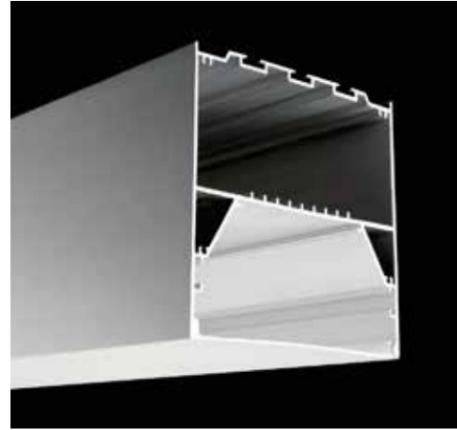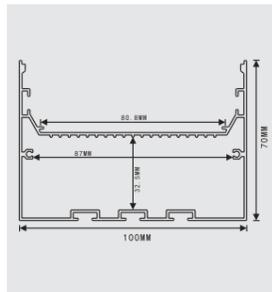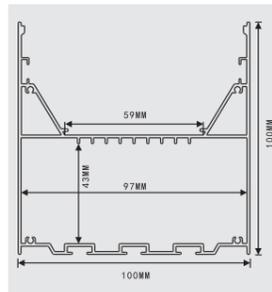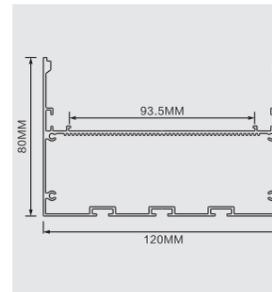Dimensions: Width W50 x Height H50
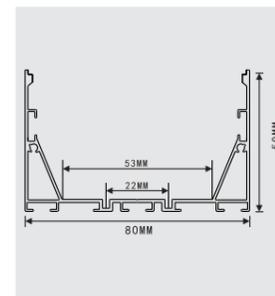
Model: GR-BGD-G80B
Dimensions: Width W80mm x Height H50mm

Model: GR-BGD-A35
Dimensions: Width W50 x Height H35
Hole: 40mm
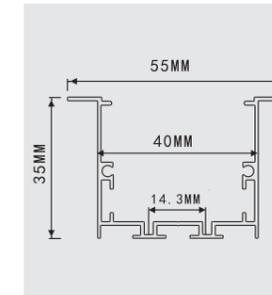
Model: GR-BGD-A40
Dimensions: Width W55 x Height H35
Hole: 45mm
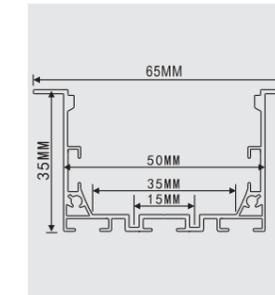
Model: GR-BGD-A50
Dimensions: Width W65 x Height H35
Hole: 55mm
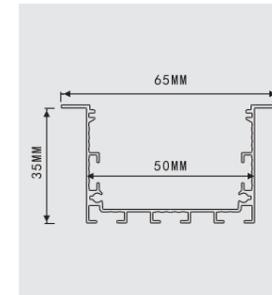
Model: GR-BGD-A50C
Dimensions: Width W65 x Height H35
Hole: 55mm
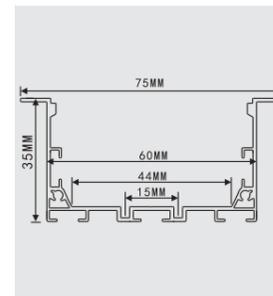
Model: GR-BGD-A60
Dimensions: W75 x H35
Hole: 65mm
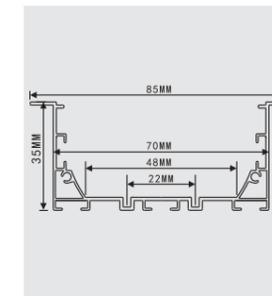
Model: GR-BGD-A70
Dimensions: Width W85 x Height H35
Hole: 75mm
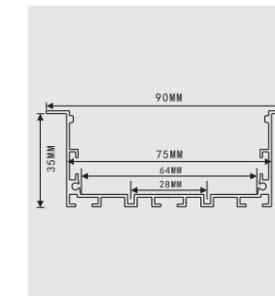
Model: GR-BGD-A75
Dimensions: Width W90 x Height H35
Hole: 80mm
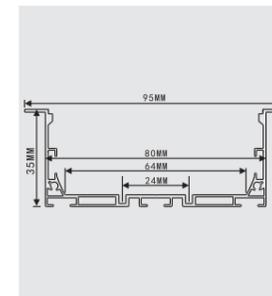
Model: GR-BGD-A80
Dimensions: Width W95 x Height H35
Hole: 85mm

Model: GR-BGD-G100B
Dimensions: Width 100mm x Height H50mm

Model: GR-BGD-G120B
Dimensions: Width W120mm x Height H50mm

Model: GR-BGD-G150B
Dimensions: Width W150mm x Height H50mm
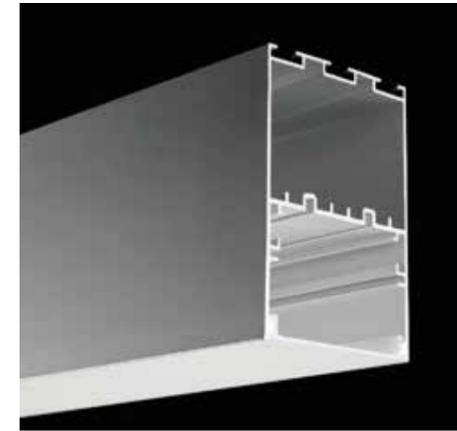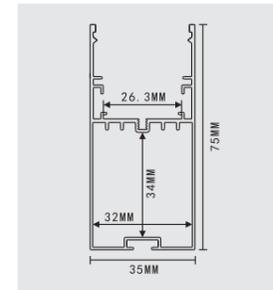
Model: GR-BGD-G200
Dimensions: Width W200mm x Height H50
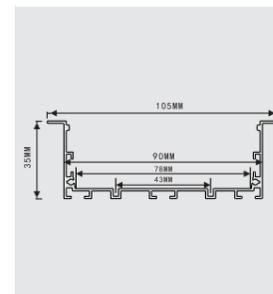
Model: GR-BGD-A90
Dimensions: Width W105mm x Height H35mm
Holehole: 95mm
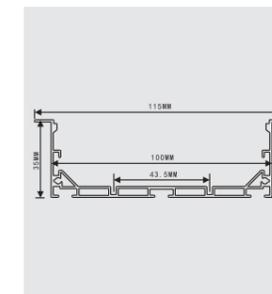
Model: GR-BGD-A100
Dimensions: Width W115mm x Height H35mm
Hole Cutout: 105mm
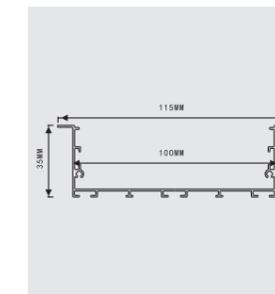
Model: GR-BGD-A100C
Dimensions: Width W115mm x Height H35mm
Hole: 105mm
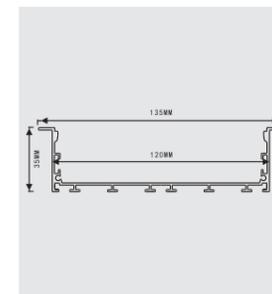
Model: GR-BGD-A120
Dimensions: W135mm x H35mm
Hole: 125mm

**GUANGRUN.ALUMINUM**
▼ Concealed embedded series

HONDEL LIGHTING

HONDEL LIGHTING

**GUANGRUN.ALUMINUM**
▼ Exposed double-layer series

**70**



**CONCEALED EMBEDDED SERIES**

**50**
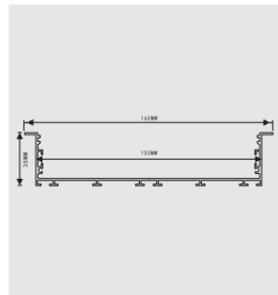


Model: GR-BGD-A150A
Dimensions: Width W165mm x Height H35mm
Hole Cutout: 155mm
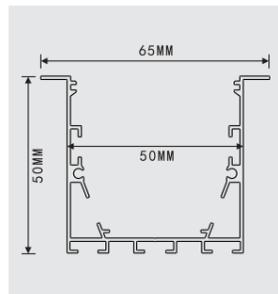
Model: GR-BGD-A50D
Dimensions: Width W65 x Height H50
Hole: 55mm
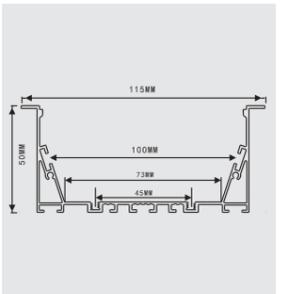
Model: GR-BGD-A100B
Dimensions: Width W115mm x Height H50mm
Hole: 105mm
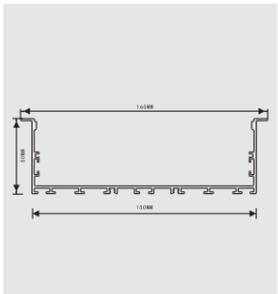
Model: GR-BGD-A150B
Dimensions: Width W165mm x Height H50mm
Opening: 155mm
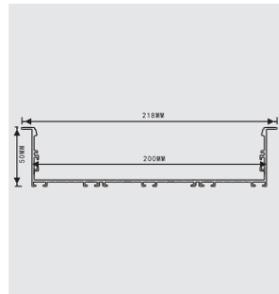
Model: GR-BGD-A200
Dimensions: Width W218mm x Height H50mm
Hole Cutout: 205mm
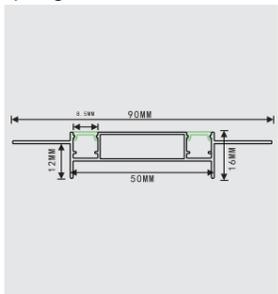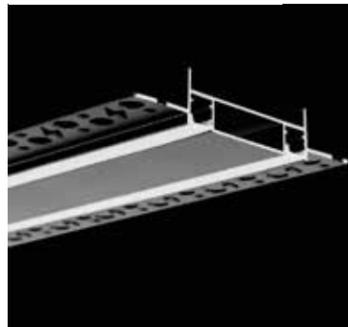
Model: GR-BGD-A50KP
Dimensions: Width W90 x Height H16
Hole: 55mm
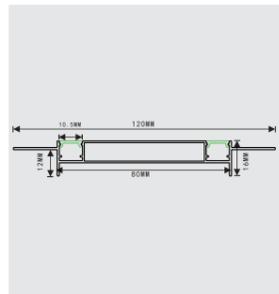
Model: GR-BGD-A80KP
Dimensions: Width W120mm x Height H16mm
Hole Cutout: 85mm
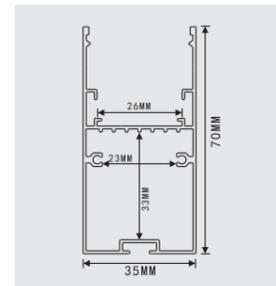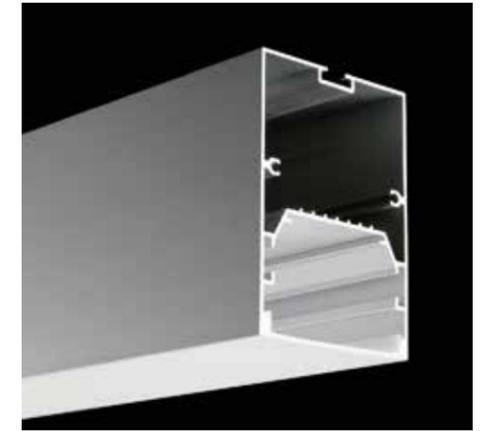
Model: GR-BGD-D35
Dimensions: Width W35 x Height H70
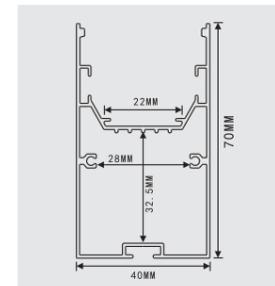
Model:GR-BGD-D40
Size: Width W40*Height H70
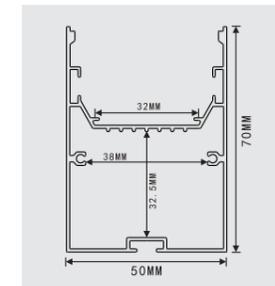
Model:GR-BGD-D50
Size: Width W50*Height H70
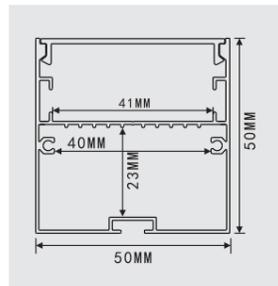
Model:GR-BGD-D505
Size: Width W50*Height H50
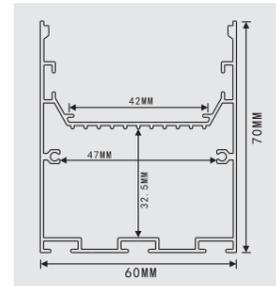
Model: GR-BGD-D60
Dimensions: Width W60 x Height H70
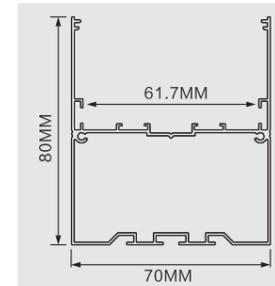
Model: GR-BGD-D70
Dimensions: Width W70 x Height H80
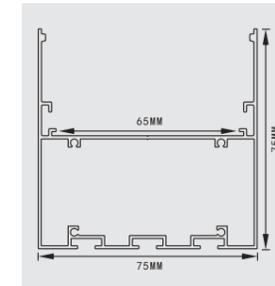
Model: GR-BGD-D75
Dimensions: Width W75 x Height H75
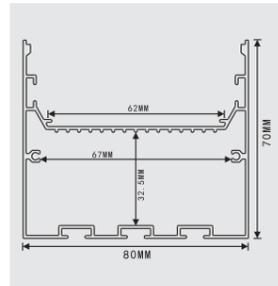
Model: GR-BGD-D80
Dimensions: Width W80 x Height H70

75




Model: GR-BGD-D90
Dimensions: Width W90 x Height H80


Model:GR-BGD-D100
Size: Width W100*Height H70


Model: GR-BGD-Z100
Dimensions: Width W100 x Height H100
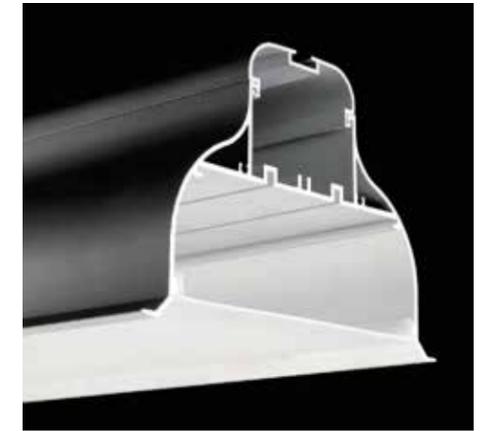

Model:GR-BGD-D120
Size: Width W120*Height H80
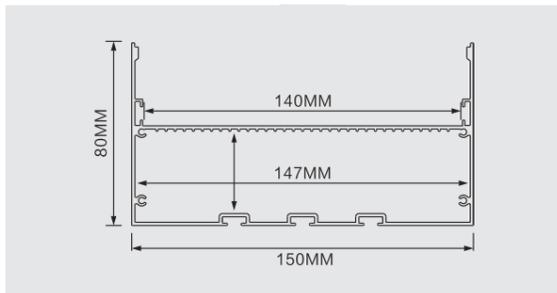

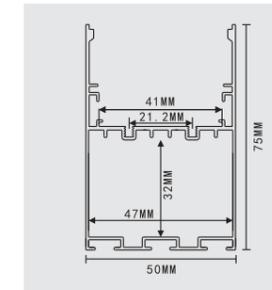Model: GR-BGD-D150
Dimensions: Width W150mm x Height H80mm
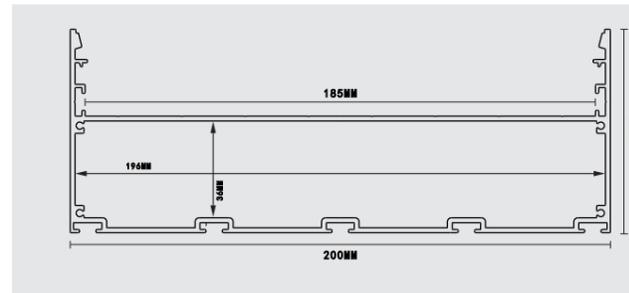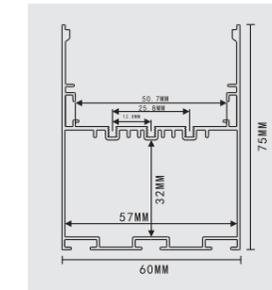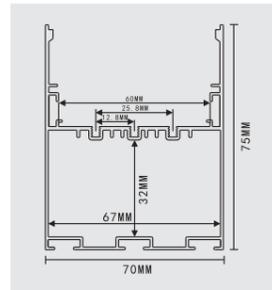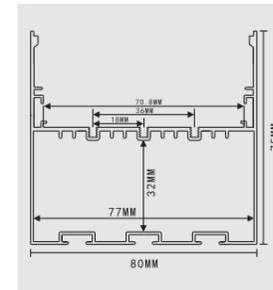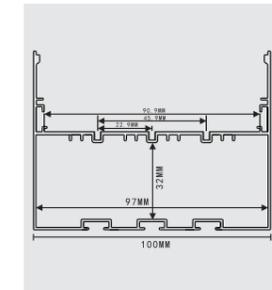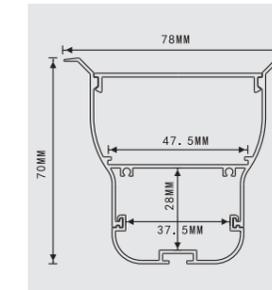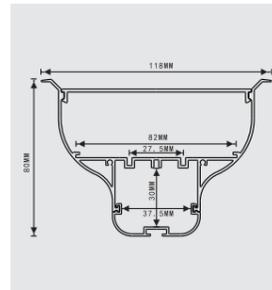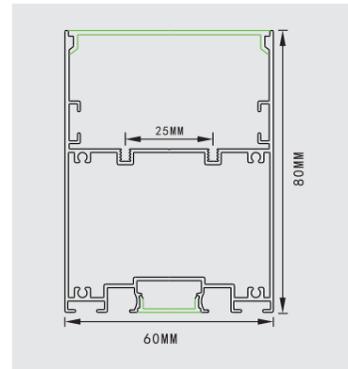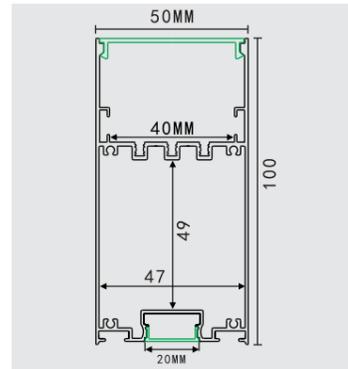

Model: GR-BGD-D200
Dimensions: Width W200 x Height H75


Model: GR-BGD-T35
Dimensions: Width W35 x Height H75mm


Model:GR-BGD-T50
Size: Width W50*Height H75


Model:GR-BGD-D60
Size: Width WT60*Height H75


Model:GR-BGD-T70
Size: Width W70*Height H75


Model:GR-BGD-T80
Size: Width W80*Height H75


Model:GR-BGD-T100
Size: Width W100*Height H75
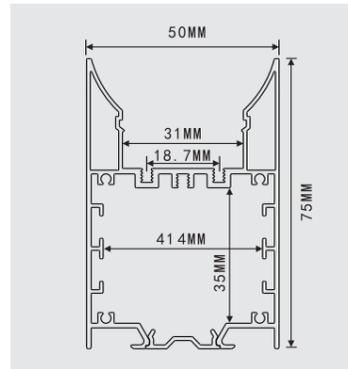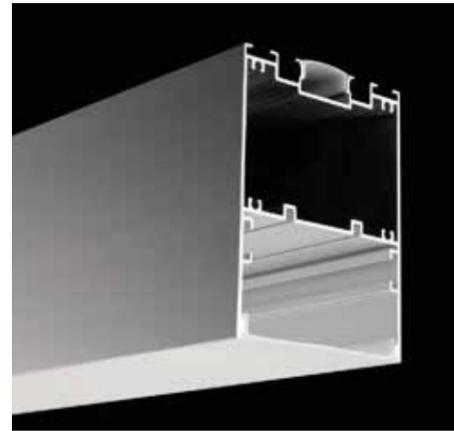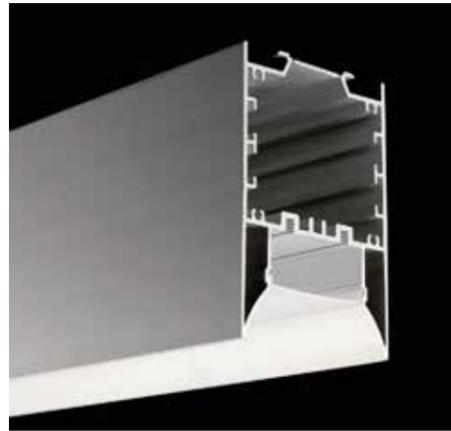

Model:GR-BGD-K60
Dimensions: Width W78*Height H70


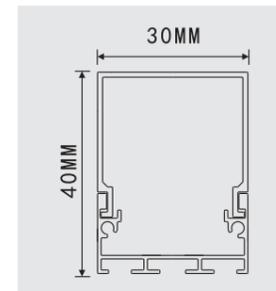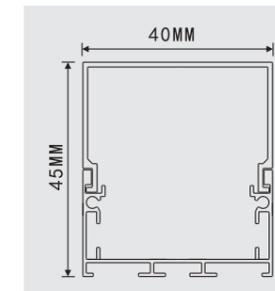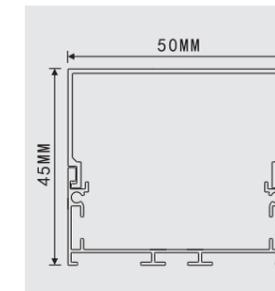Model:GR-BGD-K100
Dimensions: Width W118*Height H80

Up&Down



**Model: GR-BGD-D35X**
**Dimensions: Width W50mm x Height H75mm**

**Model: GR-BGD-D510**
**Dimensions: Width W50 x Height H100**
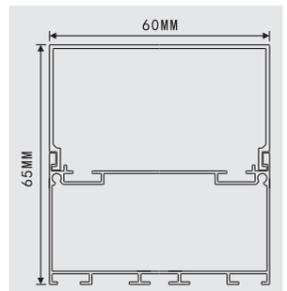
**Model: GR-BGD-D602**
**Dimensions: Width W60mm x Height H80mm**



**Model: GR-BGD-530**
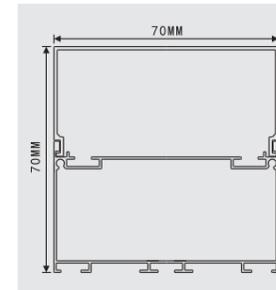**Dimensions: Width W30 x Height H40**

**Model: GR-BGD-S40**
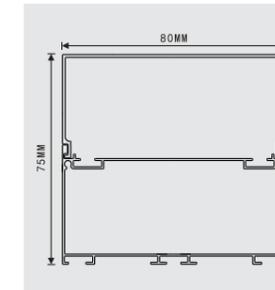**Dimensions: Width W40 x Height H45**

**Model: GR-BGD-550**
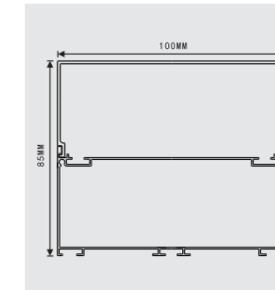**Dimensions: Width W50 x Height H45**

**Model: GR-BGD-S60**
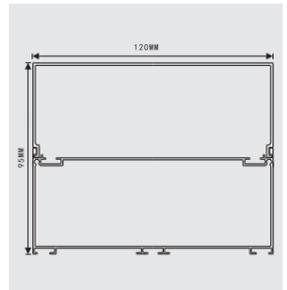**Dimensions: Width W60 x Height H65**

**Model: GR-BGD-S70**
**Dimensions: Width W70 x Height H70**

**Model: GR-BGD-580**
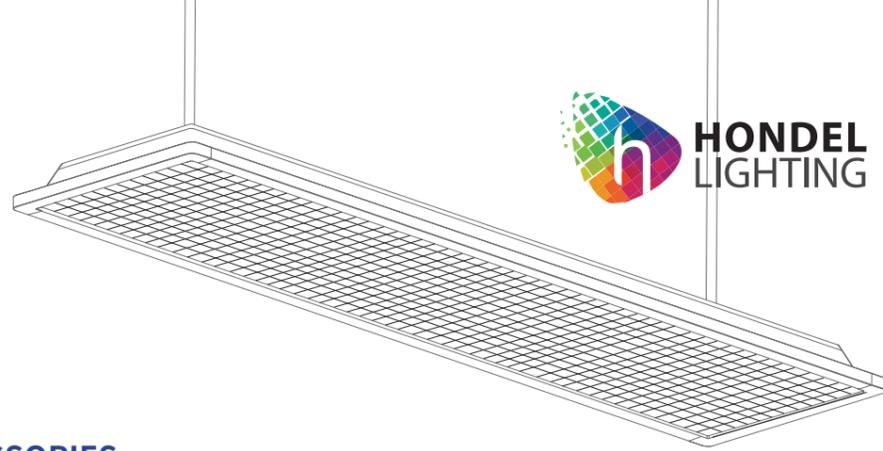**Dimensions: Width W80 x Height H75**

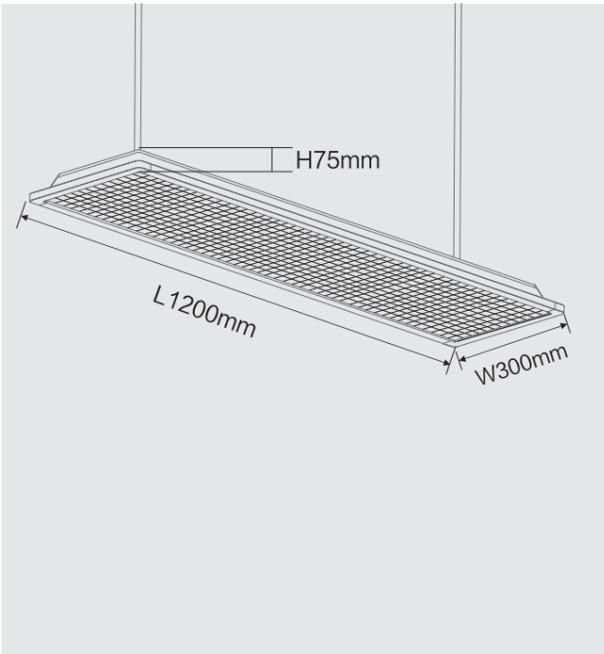**Model: GR-BGD-S100**
**Dimensions: Width W100 x Height H85**

**Model: GR-BGD-S120**
**Dimensions: Width W120mm x Height H95mm**

## CLASSROOM LIGHT ACCESSORIES
▼ Education light series

**Accessories**





H75mm

L1200mm

W300mm

### Model:GR-JY-JS01

| | |
|---|---|
| Lamp body/Housing | EXTRUDED ALUMINIUM+PS |
| Size | L1200*W300*H75MM |
| Color | WHITE |
| Optical system | Diffuser panel + anti-glare grille |
| Applicable power | 36-48W |
| End cap | ABS |
| Angle adjustment/Tilting | FIXED NOT ADJUSTABLE |
| PCB Size | L1075*W15*H1.0MM |
| Blu-ray/UG | UG0 |
| Light Type | SMD LED |
| Unified Glare Value/GUR | UGR 16 |
| Protection grade/IP | IP 20 |
| Light Distribution | SPECIAL LIGHTING |
| Installation method | HANGING WIRE MOUNT |
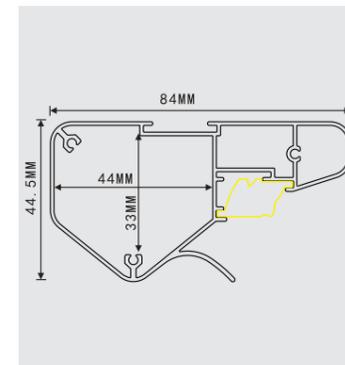
Model: GR-JY-H03
Dimensions: Width W84" x Height H44.5"
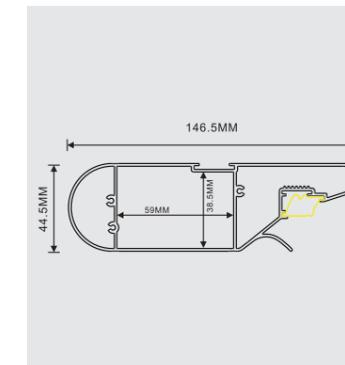


Model: GR-JY-H01
Dimensions: Width 146.5" (W) x Height 44.5" (H)
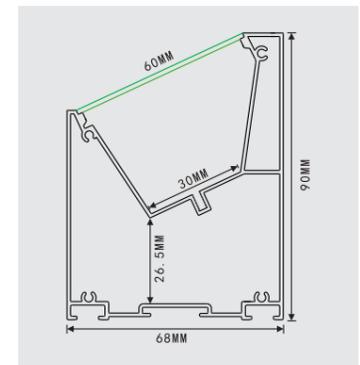


Model: GR-JY-H02
Dimensions: Width W68 x Height H90

**MEMORANDUM**

**MEMORANDUM**

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