

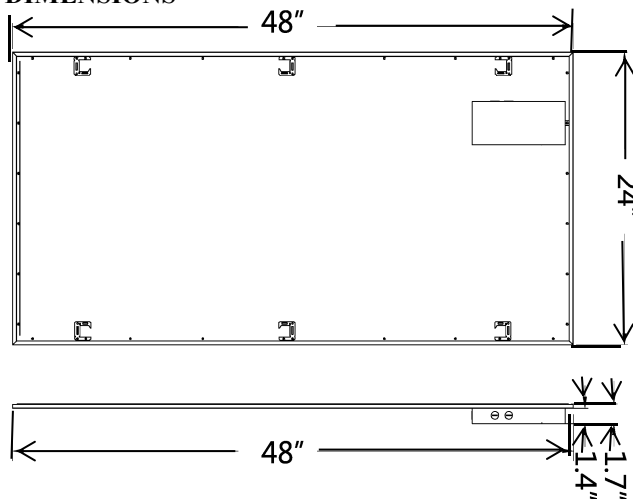
DGL-P6628-E

2*4FT Edgelit LED Panel Light

| | | | |
|-----------|------------------------|------|--|
| Catalog # | Prepared by LiteHarbor | | |
| Project | | Date | |
| Notes | | | |



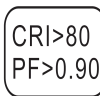
DIMENSIONS



2*2FT LED Panel Light

FEATURES

- Power over Ethernet (POE) Lighting Solution option
- 2.4G Wireless CCT Tunable.
- Power & CCT Tunable.
- Without LGP, never turn yellow.
- Isolated driver, PF>0.9, THD≤15 %.
- Super bright SMD2835 LEDs, LM80 rated Ra>80.
- Lumen output: 130LM/W.
- AC120-277V or AC120-347V, 0-10V dimmable.
- Non-flicker, no dark spot, protect your eyes.
- Ideal replacement for traditional troffer with over 80% energy saving.
- Leading LED driver design, overlong lifespan.
- Newest LGP technology, higher luminous efficiency.
- Back-lit technology diffuse reflection, uniform and soft light, no glare, no humming, no flare, no direct attention, effectively alleviate eye fatigue, more healthy use.
- Delicate structure design, ultra thin and ultra light.
- Simple, fashionable and elegant appearance.
- Easy installation, can replace the same size of ceiling lights or grille lights.
- No lead, no mercury, energy saving and environment friendly.
- IP Rating: IP40.
- Operating temperature: -20°C to 50°C.

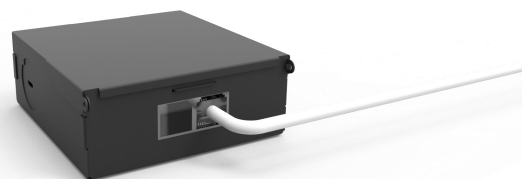


OVERVIEW

LED Edge-Lit Flat Panel with is the perfect replacement for fluorescent troffers used in drop ceilings. Thoughtfully designed for superior illumination, ultimate efficiency and easy installation. Designed to fit in a conventional suspended grid ceiling for new construction or retrofit projects, LED flat panels will save you time and money. Perfect for areas where you need bright, even light such as schools, universities, offices, churches, game rooms and restaurants.

POE SOLUTION

Liteharbor's DGL-P series with single/double ethernet interface "One in" or "One in One out" design. It's provides Cat 6/Cat 7/Cat 8 Ethernet Cable with UL Listed PoE technology sends 10/45 Gbps of data and 30W, 60W up to 90W of power budget to devices over Cat7 and Cat8 Ethernet cables for a maximum distance of 100m.



*Other special requirements please contact with our sales.



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APPLICATION

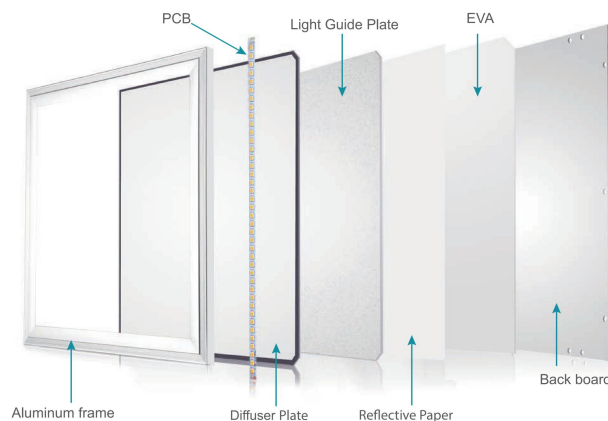
- Commercial lighting
- Residential lighting
- School
- Communal facilities lighting
- Meeting room,
- Office building

DETAILS

| Description | DGL-P6628-E | DGL-P12328-E | DGL-P12628-E |
|--|--|--|------------------------------------|
| Size | 24"*24" | 12"*48" | 24"*48" |
| Edgelit Regular Series Wattage | 36W/40W/45W | 40W/45W | 50W/60W/72W |
| Edgelit Premium Series Wattage | 25W/35W/40W | 25W/40W | 32W/40W/50W/60W |
| Edgelit 2.4G Wireless Wattage | 40W | 40W | 50W/60W |
| Edgelit Power & CCT Tunable Series Wattage | 20W-25W-30W-35W 30W-35W-40W-45W | 20W-25W-30W-35W 30W-35W-40W-45W | 35W-40W-45W-50W 35W-40W-45W-50W |
| Input: | AC100-277V, 50/60Hz | | |
| Luminous Flux | 3900lm/4400lm/4900lm | 3900lm/4400lm/4900lm | 5500lm/6600lm/7900lm |
| Lumens / Watt | 110LM/W | | |
| Dimming | 0-10V Dimmingh/ 2.4G Wireless | | |
| Color temperatures | 3000K,3500k,4000k,5000k | | |
| Function | <ul style="list-style-type: none"> ●Wireless dimming ●Wireless dimming + Sensing ●Wireless dimming + Emergency ●Wireless dimming + Sensing + Emergency ●CCT & Watt Tunable ●CCT & Watt Tunable + Emergency | <ul style="list-style-type: none"> ●Dimming ●Dimming + Sensing ●Dimming + Emergency ●Dimming + Sensing + Emergency ●CCT & Watt Tunable + Sensing ●CCT & Watt Tunable + Sensing + Emergency | |
| PF: | 0.98 | | |
| Working Temperature: | -20℃ - 50℃ | | |
| IP Grade: | IP44 | | |
| Anti-power level: | Class II | | |
| LED Chips: | SMD2835/SMD4014 | | |
| Emitting Color: | Warm white/Pure white/Cool white | | |
| Certifications: | UL DLC CE RoHS FCC | | |
| Lifetime | 50000 Hours | | |
| Warranty | 5-Year Limited | | |

PANEL LIGHT

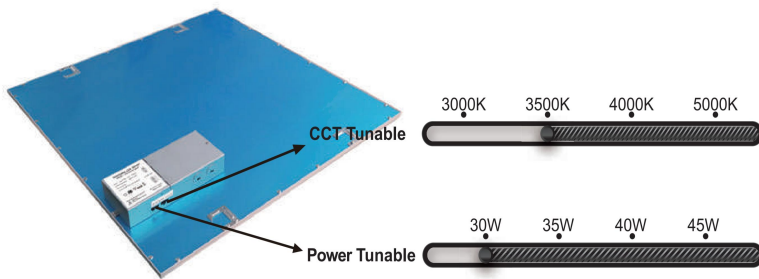
EXPLOSIVE VIEW



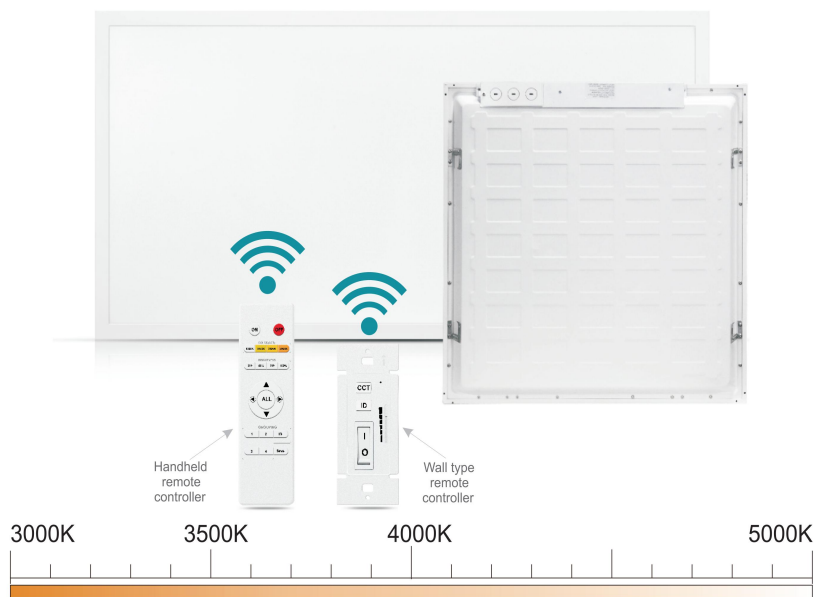
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|  | Liteharbor Lighting Technology Co., Ltd. New Industry Area Hecun Danzao Town Nanhai Foshan City Guangdong China | TEL: +86-757-8180 8675 FAX: +86-757-8180 8685 E-mail: info@liteharbor.com | Website: www.liteharbor.com Specifications subject to change w/o notice Revision: May. 2022 |
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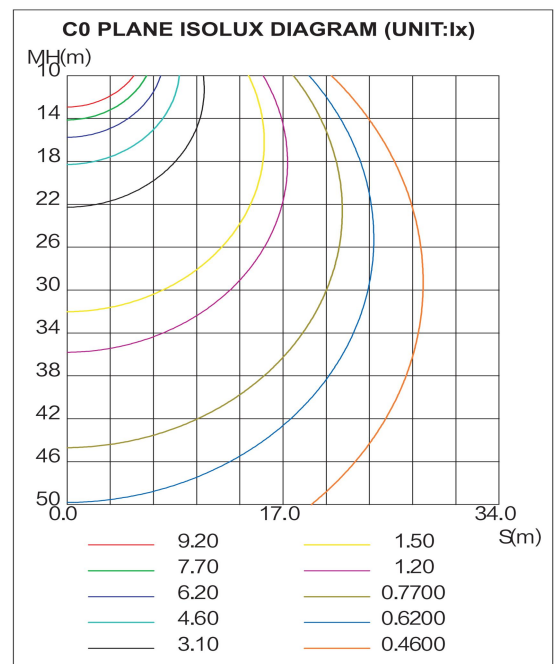
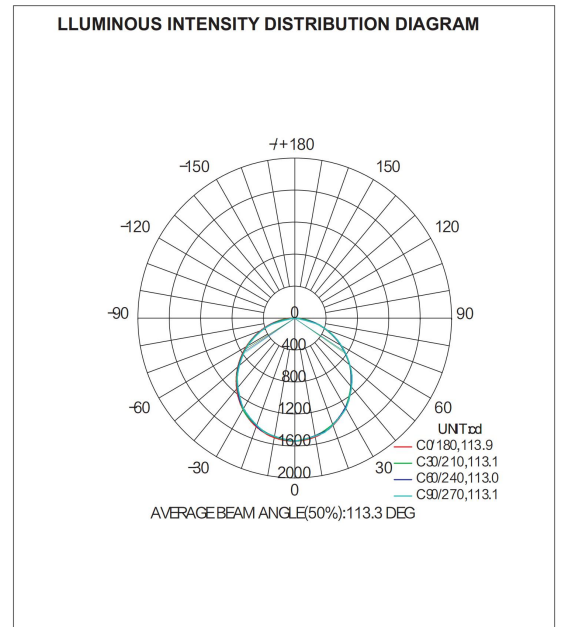
POWER& CCT TUNABLE



2.4G WIRELESS CCT TUNABLE



LUMINAIRE PHOTOMETRIC TEST REPORT



PANEL LIGHT

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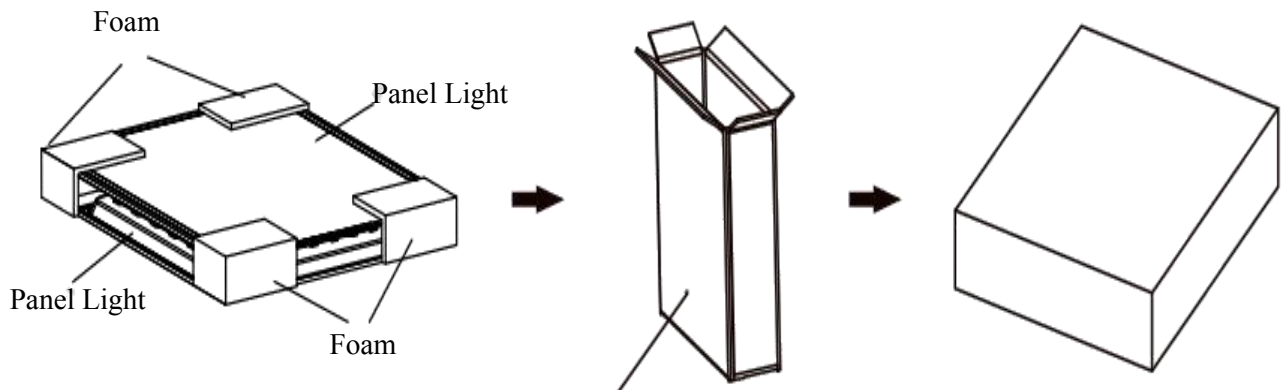
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PACKAGE(REFERENCE VALUE)

| Parameter | DGL-P6628-E | DGL-P12328-E | DGL-P12628-E |
|---------------------------|---------------|---------------|---------------|
| Net Weight (lbs) | 7.2lbs/pc | 8.3lbs/pc | 13.9lbs/pc |
| Single Carton size (inch) | 25.6x25.6x3.2 | 49.2x13.8x3.2 | 49.2x25.6x3.2 |
| Quantity /Carton | 2 pcs | 2 pcs | 2 pcs |
| Gross Weight (lbs/CTN) | 17.6 | 19.8 | 31.1 |
| Qty loaded by 20GP | 1836 pcs | 1672 pcs | 904 pcs |
| Qty loaded by 40GP | 3672 pcs | 3496 pcs | 1908 pcs |
| Qty loaded by 40HQ | 4320 pcs | 4182 pcs | 2280 pcs |



ORDERING GUIDE

| Panel Light Series | Wattage | Input Voltage | Dimmable |
|---------------------------------------|--|--|---|
| <input type="checkbox"/> DGL-P6628-E | <input type="checkbox"/> 25 25W/lamp | <input type="checkbox"/> U 120V-277V | <input type="checkbox"/> 0-10V 0-10Vdimming |
| <input type="checkbox"/> DGL-P12328-E | <input type="checkbox"/> 30 30W/lamp | | <input type="checkbox"/> 2.4G 2.4G Wireless Dimming |
| <input type="checkbox"/> DGL-P12628-E | <input type="checkbox"/> 35 31W/lamp | | <input type="checkbox"/> CCT CCT Tunable |
| | <input type="checkbox"/> 40 40W/lamp | | <input type="checkbox"/> PT PowerTunable |
| | <input type="checkbox"/> 50 50W/lamp | | |
| | <input type="checkbox"/> 60 60W/lamp | | |
| | <input type="checkbox"/> 70 70W/lamp | | |

| Color Temperature | Luminous Flux | ①Function |
|--------------------------------------|---------------------------------|--|
| <input type="checkbox"/> 30K 3000K | <input type="checkbox"/> 3900lm | <input type="checkbox"/> DDM Dimming |
| <input type="checkbox"/> 35K 3500K | <input type="checkbox"/> 4400lm | <input type="checkbox"/> DDS Dimming + Sensing |
| <input type="checkbox"/> 40K 4000K | <input type="checkbox"/> 4900lm | <input type="checkbox"/> DDE Dimming + Emergency |
| <input type="checkbox"/> 50K 5000K | <input type="checkbox"/> 5500lm | <input type="checkbox"/> DSE Dimming + Sensing + Emergency |
| | <input type="checkbox"/> 6600lm | |
| | <input type="checkbox"/> 6900lm | |

| ②Function | ③Function |
|--|---|
| <input type="checkbox"/> RDM Wireless dimming | <input type="checkbox"/> CDM CCT & Watt Tunable |
| <input type="checkbox"/> RDS Wireless dimming + Sensing | <input type="checkbox"/> CDS CCT & Watt Tunable + Sensing |
| <input type="checkbox"/> RDE Wireless dimming + Emergency | <input type="checkbox"/> CDE CCT & Watt Tunable + Emergency |
| <input type="checkbox"/> RSE Wireless dimming + Sensing + Emergency | <input type="checkbox"/> CSE CCT & Watt Tunable + Sensing + Emergency |

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INSTALL ACCESSORIES

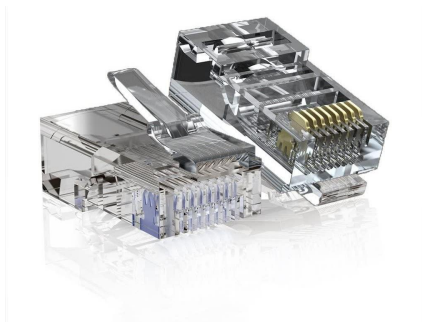
Ethernet Cables Reference



| Attribute | Cat 6 | Cat 7 | Cat 8 |
|-------------------------------|-----------------|----------|-----------------|
| Frequency | 250 MHz | 600MHz | 2000MHz |
| Transmission speed | 1Gbps/10 Gbps | 10 Gbps | 25 Gbps/40 Gbps |
| Distance | 100m | 100m | 30m |
| Number of Connectors in Cable | 4 | 4 | 2 |
| Cable Construction | UTP or Shielded | Shielded | Shielded |
| Connector Type | RJ45 | RJ45 | RJ45 |
| AWG | 24 AWG | 30 AWG | 26AWG |

RJ45 Connectors

Modular plug clear plastic easy to DIY ethernet cable when you need.



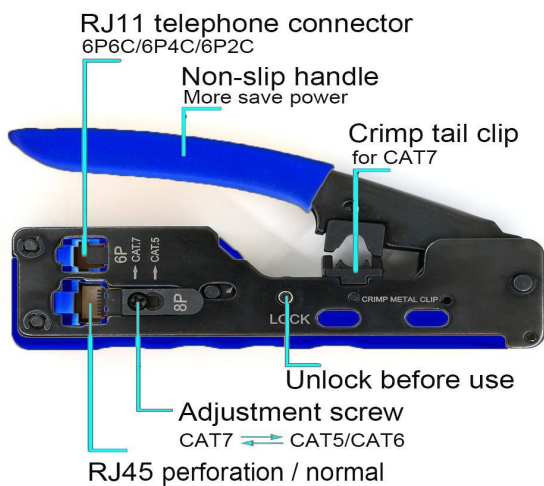
Ethernet Cables

Cat 6/Cat 7/Cat 8 for option.



Crimp Tool Kit

All-in-one RJ11/RJ12/RJ45 Modular Tool, Pass-Through Wire Stripper Cutter Crimper for Cat5/5e Cat6/6a Cat7 Cat8 Modular Plugs Connectors with Dovetail Clip.



PoE Switch

Not supplied by Liteharbor.



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