

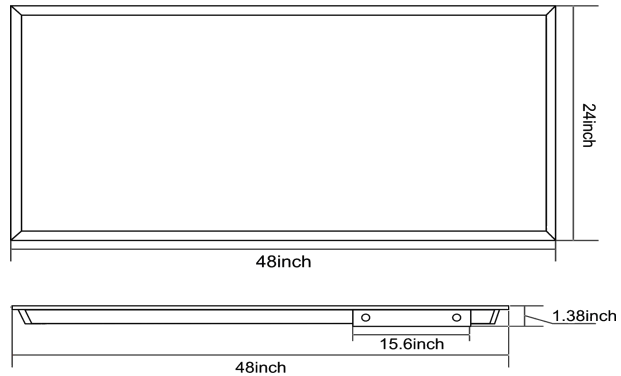
DGL-P12328-B

2*4FT Back-lit LED Panel Light

Catalog #	Prepared by LiteHarbor		
Project		Date	
Notes			



DIMENSIONS



2*4FT 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.

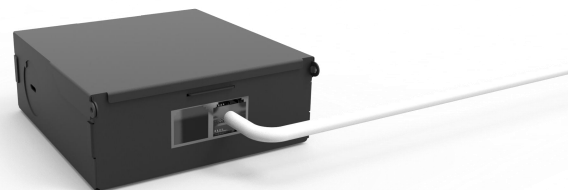


OVERVIEW

LED panel light is a kind of top grade indoor lighting product which is composed of a number of high-brightness LEDs. Its unique structure design, Back-lit view emitting, uniform plane emitting effect which is formed after the light go through the high-transmittance LGP and diffusion plate, good illumination uniformity and soft light which is comfortable but bright, can relief eye fatigue effectively, and prevent radiation. The lamp design is simple, beautiful and luxurious, not only has good lighting effects, but also bring a feeling of beauty. It is a new, top grade and fashionable indoor lighting luminaire.

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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Specifications subject to change w/o notice
Revision: May. 2022



PANEL LIGHT

APPLICATION

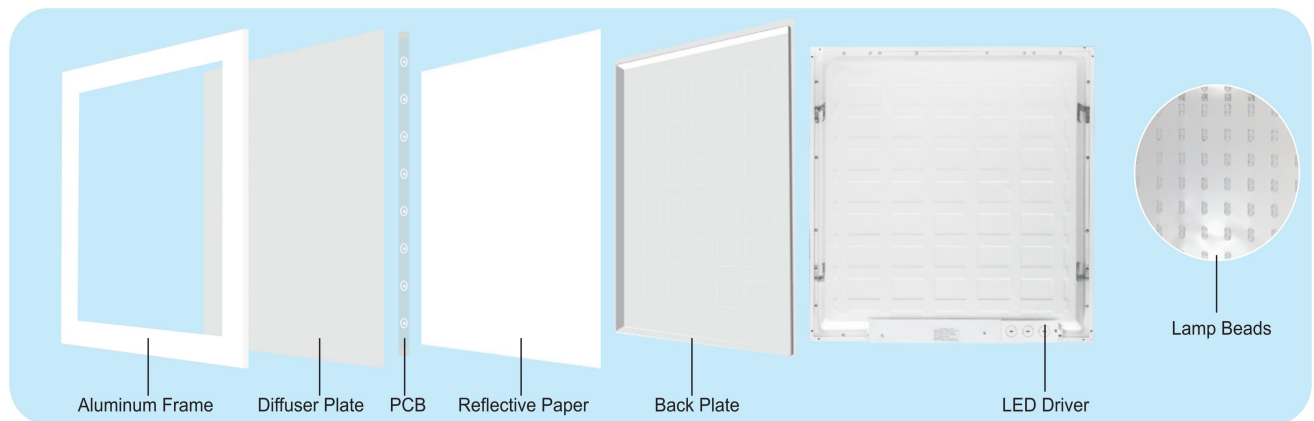
- Commercial lighting
- Residential lighting
- School
- Communal facilities lighting
- Meeting room,
- Office building

DETAILS


Description	DGL-P6628-B	DGL-P12328-B	DGL-P12628-B
Size	24"*24"	12"*48"	24"*48"
Regular Back-lit Series Wattage	25W/30W/35W	25W/30W/35W	35W/40W/50W
2.4G Wireless Back-lit Series Wattage	35W	35W	50W
Edgelit Power & CCT Tunable Series Back-lit Wattage	20W-25W-30W-35W	20W-25W-30W-35W	35W-40W-45W-50W
Input:	AC100-277V/AC120-347V, 50/60Hz		
Luminous Flux	3250lm/3900lm/4500lm	3250lm/3900lm/4500lm	4500lm/5200lm/6500lm
Lumens / Watt	130LM/W		
Dimming	0-10V Dimming / 2.4G Wireless Dimming / CCT Tunable		
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°C - 50°C		
IP Grade:	IP44		
Anti-power level:	Class II		
LED Chips:	SMD2835		
Emitting Color:	Warm white/Pure white/Cool white		
Certifications:	UL DLC CE RoHS FCC		
Lifetime	50000 Hours		

PANEL LIGHT

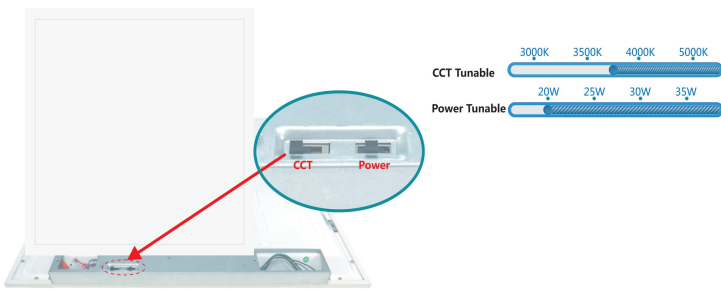
EXPLOSIVE VIEW



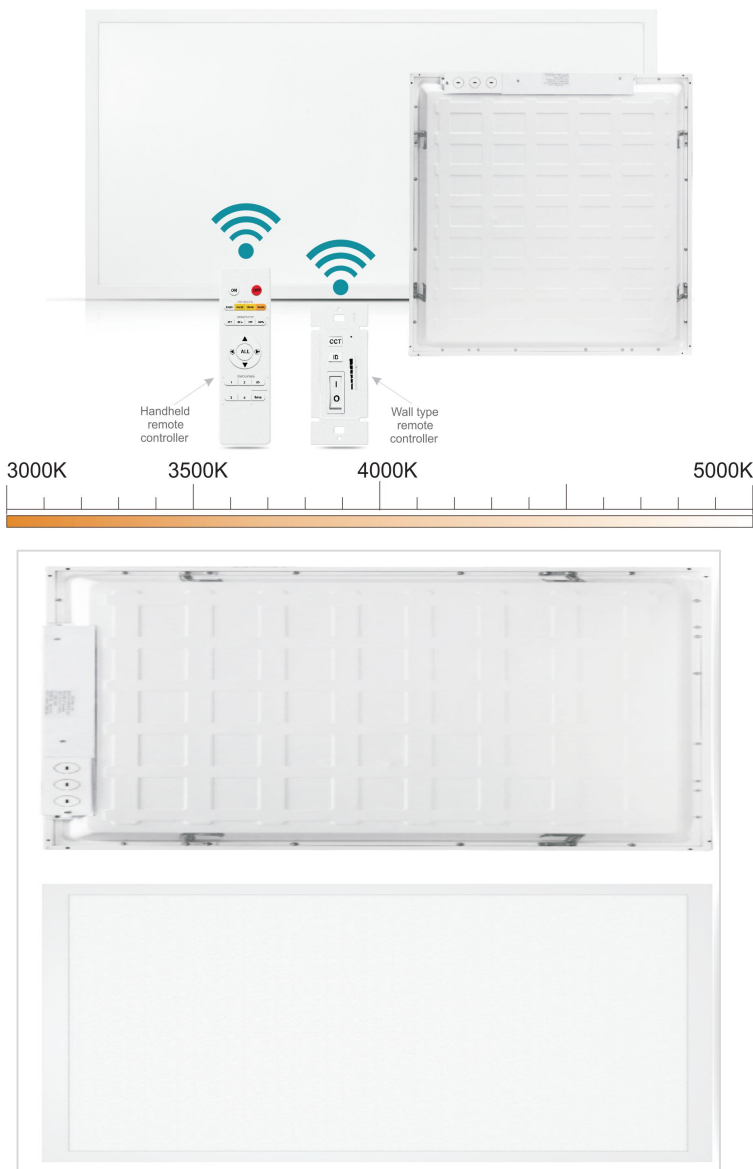
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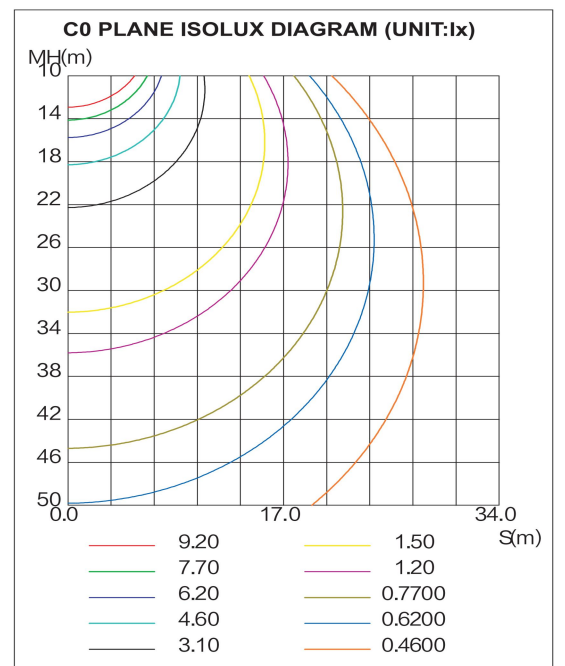
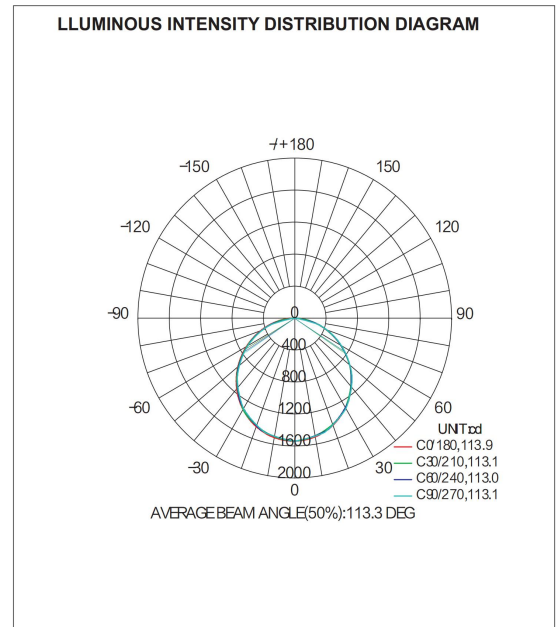
POWER& CCT TUNABLE



2.4G WIRELESS CCT TUNABLE



LUMINAIRE PHOTOMETRIC TEST REPORT



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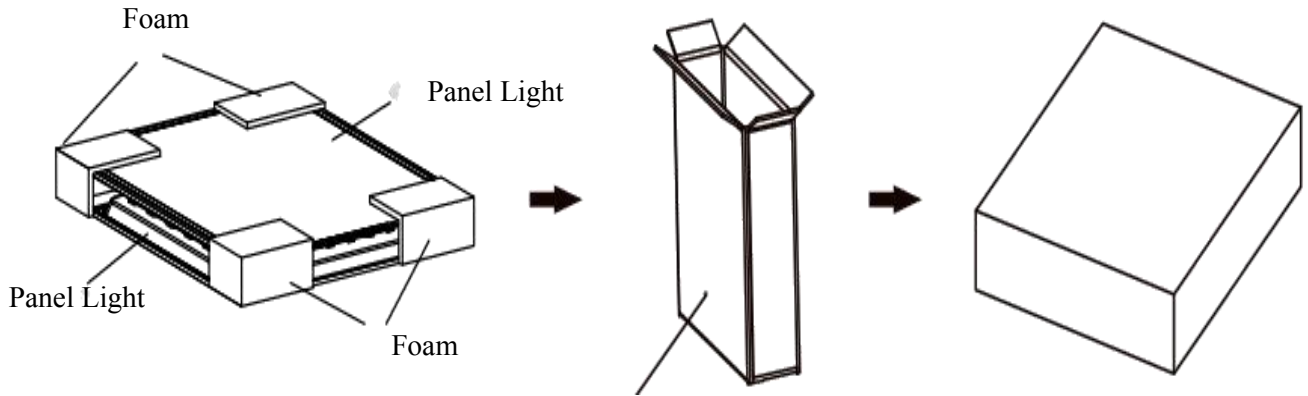
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PANEL LIGHT

PACKAGE(REFERENCE VALUE)

Parameter	DGL-P6628-B	DGL-P12328-B	DGL-P12628-B
Net Weight (lbs)	5.07	5.51	9.26
Single Carton size (inch)	25.39*3.94*25.59	49.4*3.94*13.78	49.4*3.94*25.59
Quantity /Carton	2 pcs	2 pcs	2 pcs
Gross Weight (lbs/CTN)	11.46	12.57	20.5
Qty loaded by 20GP	1620pcs	1544pcs	800pcs
Qty loaded by 40GP	3264pcs	3240pcs	1668pcs
Qty loaded by 40HQ	4032pcs	3774pcs	2070pcs



ORDERING GUIDE

Panel Light Series	Wattage	Input Voltage	Dimmable
<input type="checkbox"/> DGL-P6628-B	<input type="checkbox"/> 25 25W/lamp	<input type="checkbox"/> U 120V-277V	<input type="checkbox"/> 0-10V 0-10Vdimming
<input type="checkbox"/> DGL-P12328-B	<input type="checkbox"/> 30 30W/lamp	<input type="checkbox"/> 347 120-347V	<input type="checkbox"/> 2.4G 2.4G Wireless Dimming
<input type="checkbox"/> DGL-P12628-B	<input type="checkbox"/> 35 31W/lamp		<input type="checkbox"/> CCT CCTTunable
	<input type="checkbox"/> 40 40W/lamp		<input type="checkbox"/> PT PowerTunable
	<input type="checkbox"/> 50 50W/lamp		

Color Temperature	Luminous Flux	①Function
<input type="checkbox"/> 30K 3000K	<input type="checkbox"/> 3250lm	<input type="checkbox"/> DDM Dimming
<input type="checkbox"/> 35K 3500K	<input type="checkbox"/> 3900lm	<input type="checkbox"/> DDS Dimming + Sensing
<input type="checkbox"/> 40K 4000K	<input type="checkbox"/> 4500lm	<input type="checkbox"/> DDE Dimming + Emergency
<input type="checkbox"/> 50K 5000K	<input type="checkbox"/> 5200lm	<input type="checkbox"/> DSE Dimming + Sensing + Emergency
	<input type="checkbox"/> 6500lm	

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

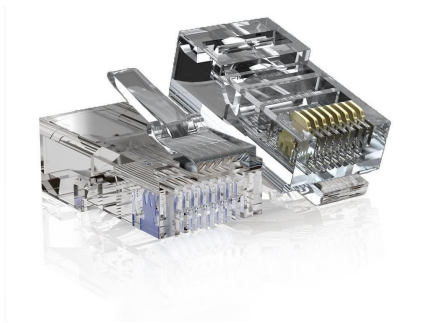
Ethernet Cables Reference



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	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.



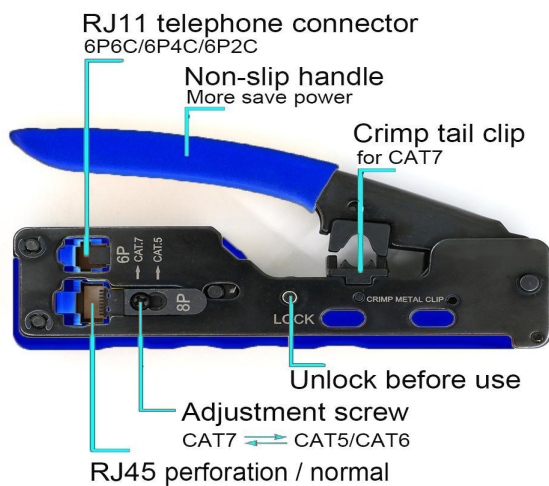
Ethernet Cables

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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