Panel Edge-lit 600x600 38W 4000k 3800lm



This is a 38W, 3800lm 600x600 Integral LED Value+ panel. It delivers a uniform white light across the whole of its surface. The high level of efficacy (100lm/W) offers savings in running cost against traditional 72W fluorescent fittings as well as many other LED panels.

The panels are an ideal solution for many business applications.

Product Details

Partcode: ILP6060E002

Check Code: 431817

Range Name: Value+

Placement / Application: Indoor, General Lighting

Market Segment: Commercial indoor

Product Type: 600x600

Warranty: 3 Years

CE / RoHS: Yes

Suitable for claiming Enhanced Capital Allowance: Yes

Physical Data

Product Finish: Matt white

Optic: Opal diffuser

Material: Aluminium, Steel, PS Diffuser

Construction: extruded Aluminium, steel back, LGP sheet and PS diffuser

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Physical Data

Length: 596mm

Width: 596mm

Depth: 8mm

Weight (Unpackaged Single Unit): 2800g

Luminaire Fixing: Recessed in ceiling grid, surface mounted, or suspended. (additional surface mounted or suspension kit required)

Electrical Data

Voltage Range: 220-240V

Power Consumption: 38.0 Watts

Driver included: Yes

Electric Current: AC

Ampage: 835.00mA

Frequency Range: 50/60 Hz

Power Factor: >=0.90

Wattage Equivalent: 86 Watts

Dimming: Non-dimmable

LVD Certified: Yes

EN: EN-60598

Light Data

Lumens: 3,800lm

Lumens per Watt: 100.0lm/W

Peak Intensity: 1,004Cd

Lighting Method: Edge-lit

Beam Angle: 110º

Correlated Colour Temperature (CCT): 4,000k

Colour Temperature: Cool White

Colour Rendering Index (CRI): >=80

LED Type: Surface mounted device (SMD)

LED Size: 2835

Instant on - Less than 1 second: Yes

Lifetime: 30,000 hrs

Switching Cycles: >25,000 X

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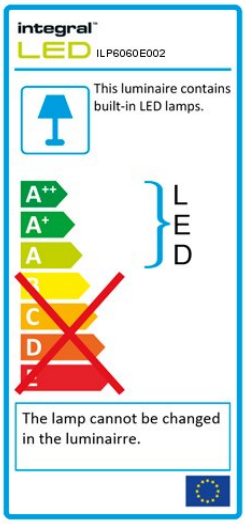
Environmental



Lowest Operating Temperature: -10 degrees

Maximum Operating Temperature: 40 degrees

IP (Ingress Protection) Rating: IP20

IP Rating (Back/Recessed side): IP20

Hg 0% (Mercury Free): Yes

Packaging

EAN Barcode (unit of 1): 5055788225515

Packaged Weight (Unit of 1): 3,300g

Length (unit of 1): 686mm

Width (unit of 1): 640mm

Depth (unit of 1): 40mm

Outer packaging info available on website

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Declaration of Conformity - ECA Compliance

We declare that the products listed below comply with the requirements of the ECA Energy Technology List 2015 – White Light Emitting Diode Lighting Units

Products suitable for claiming Enhanced Capital Allowance

Product name	Partcode
Downlight 25W (52W) 4000K 2080lm 245mm cut-out Non-Dimmable Matt white finish	ILDL245WH25N04KLM
Downlight 25W (52W) 5000K 2050lm 245mm cut-out Non-Dimmable Matt white finish	ILDL245WH25N05KLM
Downlight 25W (52W) 4000K 2080lm 245mm cut-out Dimmable Matt white finish	ILDL245WH25D04KLM
Downlight 25W (52W) 5000K 2050lm 245mm cut-out Dimmable Matt white finish	ILDL245WH25D05KLM
Panel Back-lit 600x600 30W 3000K 3200lm	ILP6060B30N03KROWH
Panel Back-lit 600x600 30W 4000K 3500lm	ILP6060B30N04KROWH
Panel Back-lit 600x600 30W 5000K 3500lm	ILP6060B30N05KROWH
Panel Back-lit 600x600 30W 6500K 3500lm	ILP6060B30N65KROWH
Panel Back-lit 600x600 40W 4000K 4600lm	ILP6060B40N04KRQWH
Panel Back-lit 600x600 40W 5000K 4600lm	ILP6060B40N05KRQWH
Panel Back-lit 600x600 50W 4000K 5500lm	ILP6060B50N04KRRWH
Panel Back-lit 600x600 30W 3000K 3200lm with integrated emergency function	ILP6060B30N03KROWHE3
Panel Back-lit 600x600 30W 4000K 3500lm with integrated emergency function	ILP6060B30N04KROWHE3
Panel Back-lit 600x600 30W 5000K 3500lm with integrated emergency function	ILP6060B30N05KROWHE3
Panel Back-lit 600x600 30W 6500K 3500lm with integrated emergency function	ILP6060B30N65KROWHE3
Panel Back-lit 600x600 40W 4000K 4600lm with integrated emergency function	ILP6060B40N04KRQWHE3
Panel Back-lit 600x600 40W 5000K 4600lm with integrated emergency function	ILP6060B40N05KRQWHE3
Panel Back-lit 600x600 50W 4000K 5500lm with integrated emergency function	ILP6060B50N04KRRWHE3
Panel Back-lit 1200x600 60W 4000K 6900lm	ILP1260B60N04KRSWH
Panel Back-lit 1200x600 60W 5000K 6900lm	ILP1260B60N05KRSWH
Panel Back-lit 1200x600 70W 4000K 8200lm	ILP1260B70N04KRTWH
Panel Back-lit 1200x600 70W 5000K 8200lm	ILP1260B70N05KRTWH
Panel Back-lit 1200x300 30W 3000K 3200lm	ILP1230B30N03KRNWH
Panel Back-lit 1200x300 30W 4000K 3500lm	ILP1230B30N04KROWH
Panel Back-lit 1200x300 30W 5000K 3500lm	ILP1230B30N05KROWH
Panel Back-lit 1200x300 30W 6500K 3500lm	ILP1230B30N65KROWH
Panel Back-lit 1200x600 70W 4000K 8200lm with emergency function	ILP1260B70N04KRTWHEM
Panel Back-lit 1200x600 70W 5000K 8200lm with emergency function	ILP1260B70N05KRTWHEM
Panel Edge-lit 600x600 33W 4000K 3060lm	ILP6060E33N04KSOWH
Panel Edge-lit 600x600 33W 6500K 3330lm	ILP6060E33N65KSOWH
Panel Edge-lit 600x600 43W 4000K 3825lm	ILP6060E43N04KSPWH
Panel Edge-lit 600x600 40W 4000K 3500lm IP65	ILP6060E40N04KTOWH

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Panel Edge-lit 600x600 40W 5000K 3550lm IP65	ILP6060E40N05KTPWH
Panel Edge-lit 1200x600 60W 4000k 5100lm	ILP1260E60N04KSRWH
Panel Edge-lit 1200x600 60W 6500k 5260lm	ILP1260E60N65KSRWH
Panel Back-lit 600x600 36W 4000K 3600lm (Twin Pack)	ILP6060B015-02
Panel Back-lit 600x600 36W 6500K 3700lm (Twin Pack)	ILP6060B016-02
Panel Back-lit 600x600 25W 3000K 3200lm	ILP6060B001
Panel Back-lit 600x600 25W 5000K 3500lm	ILP6060B005
Panel Back-lit 600x600 25W 6500K 3500lm	ILP6060B007
Panel Back-lit 600x600 35W 5000K 4600lm	ILP6060B024
Panel Back-lit 600x600 25W 3000K 3200lm with integrated emergency function	ILP6060B002
Panel Back-lit 600x600 25W 4000K 3500lm with integrated emergency function	ILP6060B004
Panel Back-lit 600x600 25W 5000K 3500lm with integrated emergency function	ILP6060B027
Panel Back-lit 600x600 25W 6500K 3500lm with integrated emergency function	ILP6060B008
Panel Back-lit 600x600 35W 4000K 4600lm with integrated emergency function	ILP6060B010
Panel Back-lit 600x600 35W 5000K 4600lm with integrated emergency function	ILP6060B012
Panel Back-lit 600x600 45W 4000K 5500lm with integrated emergency function	ILP6060B014
Panel Back-lit 1200x600 50W 4000K 6900lm	ILP1260B001
Panel Back-lit 1200x600 50W 5000K 6900lm	ILP1260B003
Panel Back-lit 1200x600 50W 4000K 6900lm with integrated emergency function	ILP1260B002
Panel Back-lit 1200x600 50W 5000K 6900lm with integrated emergency function	ILP1260B004
Slimline Ceiling and Wall Light 12W 4000K 1056lm Non-Dimmable	ILBHC005
Slimline Ceiling and Wall Light 18W 4000K 1584lm Non-Dimmable	ILBHC006
Slimline Ceiling and Wall Light 25W 4000K 2150lm Non-Dimmable	ILBHC007
Slimline Ceiling and Wall Light 12W 4000K 1056lm Non-Dimmable with Integrated 3hr Emergency Function	ILBHC008
Slimline Ceiling and Wall Light 12W 4000K 1056lm Non-Dimmable with Integrated Microwave Sensor Function	ILBHC009
Slimline Ceiling and Wall Light 12W 4000K 1056lm Non-Dimmable with Integrated 3hr Emergency and Microwave Sensor Function	ILBHC010
Downlight 25W (52W) 6500K 2095lm 245mm cut out Dimmable Matt white finish	ILDL245WH25D65KLM
Downlight 25W (52W) 6500K 2095lm 245mm cut out Non-Dimmable Matt white finish	ILDL245WH25N65KLM
Panel Back-lit 1200x600 70W 4000k 8200lm with integrated emergency function	ILP1260B70N04KRTWHE3
Panel Back-lit 1200x600 70W 5000k 8200lm with integrated emergency function	ILP1260B70N05KRTWHE3
Slimline Ceiling and Wall Light 18W 4000K 1584lm Non-Dimmable with Integrated 3hr Emergency Function	ILBHC011
Slimline Ceiling and Wall Light 18W 4000K 1584lm Non-Dimmable with Integrated Microwave Sensor Function	ILBHC012
Slimline Ceiling and Wall Light 18W 4000K 1584lm Non-Dimmable with Integrated 3hr Emergency and Microwave Sensor Function	ILBHC013
Circular High Bay 100W 5000K 12000lm 50 deg 1-10V Dimmable	ILHBC001
Circular High Bay 100W 5000K 12000lm 110 deg 1-10V Dimmable	ILHBC002
Circular High Bay 150W 5000K 18000lm 50 deg 1-10V Dimmable	ILHBC003

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Circular High Bay 150W 5000K 18000lm 110 deg 1-10V Dimmable	ILHBC004
Panel Edge-lit 1200x300 33W 4000K 3000lm	ILP1230E33N04KSOWH
Panel Edge-lit 1200x300 33W 6500K 3330lm	ILP1230E33N65KSOWH
Square Slimline Ceiling and Wall Light 12W 4000K 1056lm Non-Dimmable	ILBHD021
Square Slimline Ceiling and Wall Light 12W 4000K 1056lm Non-Dimmable with Integrated 3hr Emergency Function	ILBHD022
Square Slimline Ceiling and Wall Light 12W 4000K 1056lm Non-Dimmable with Integrated Microwave Sensor Function	ILBHD023
Square Slimline Ceiling and Wall Light 12W 4000K 1056lm Non-Dimmable with Integrated 3hr Emergency and Microwave Sensor Function	ILBHD024
Circular High Bay 240W 5000K 26200lm 50 deg 1-10V Dimmable	ILHBC005
Circular High Bay 240W 5000K 26200lm 110 deg 1-10V Dimmable	ILHBC006
Downlight 6W (13W) 3000K 495lm 100mm cut out Non-Dimmable Matt white finish	ILDL100D001
Downlight 6W (13W) 4000K 500lm 100mm cut out Non-Dimmable Matt white finish	ILDL100D002
Downlight 6W (13W) 5000K 505lm 100mm cut out Non-Dimmable Matt white finish	ILDL100D003
Downlight 6W (13W) 6500K 510lm 100mm cut out Non-Dimmable Matt white finish	ILDL100D004
Downlight 11W (18W) 3000K 980lm 150mm cut out Non-Dimmable Matt white finish	ILDL150D005
Downlight 11W (18W) 4000K 1000lm 150mm cut out Non-Dimmable Matt white finish	ILDL150D006
Downlight 11W (18W) 5000K 1020lm 150mm cut out Non-Dimmable Matt white finish	ILDL150D007
Downlight 11W (18W) 6500K 1030lm 150mm cut out Non-Dimmable Matt white finish	ILDL150D008
Downlight 16W (36W) 3000K 1440lm 200mm cut out Non-Dimmable Matt white finish	ILDL200D009
Downlight 16W (36W) 4000K 1500lm 200mm cut out Non-Dimmable Matt white finish	ILDL200D010
Downlight 16W (36W) 5000K 1520lm 200mm cut out Non-Dimmable Matt white finish	ILDL200D011
Downlight 16W (36W) 6500K 1550lm 200mm cut out Non-Dimmable Matt white finish	ILDL200D012
Panel Edge-lit 600x600 36W 4000K 3600lm IP65	ILP6060E001
Panel Back-lit 600x600 25W 4000K 3500lm	ILP6060B003
Panel Back-lit 600x600 35W 4000K 4600lm	ILP6060B009
Panel Back-lit 600x600 45W 4000K 5500lm	ILP6060B013
Panel Edge-lit 600x600 43W 6500K 4100lm	ILP6060E43N65KSOWH
Panel Back-lit 1200x600 60W 4000k 8200lm	ILP1260B005
Spacelux Circular high bay 160W 5000K 20,960lm 110 deg beam angle Non-Dimmable	ILHBG007
Panel Back-lit 1200x600 60W 4000k 8200lm with integrated emergency function	ILP1260B006
Slimline Ceiling and Wall Light 12W 4000K 1056lm Non-Dimmable with Integrated 10% Standby Microwave Sensor Function (Non-adjustable)	ILBHC016
Slimline Ceiling and Wall Light 18W 4000K 1584lm Non-Dimmable with Integrated 10% Standby Microwave Sensor Function (Non-adjustable)	ILBHC014
Panel Edge-lit 600x600 38W 4000k 3600lm	ILP6060E002
Panel Back-lit 1200x300 25W 4000K 3500lm	ILP1230B001
Panel Back-lit 1200x300 25W 5000K 3500lm	ILP1230B002
Panel Low-Profile Back-lit 600x600 35W 4000K 4600lm	ILP6060B018
Panel Low-Profile Back-lit 600x600 45W 4000K 5500lm	ILP6060B019

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Panel Low-Profile Back-lit 600x600 25W 4000K 3500lm with DALI dimming	ILP6060B020
Panel Low-Profile Back-lit 600x600 35W 4000K 4600lm with DALI dimming	ILP6060B021
Panel Low-Profile Back-lit 600x600 45W 4000K 5500lm with DALI dimming	ILP6060B022
Compact Panel Back-lit 600x600 25W 5000K 3500lm	ILP6060B026
Linear Low Bay 160W 5000K 20800lm IP65 110 deg beam angle	ILHBL010
Circular High Bay 200W 5000K 24000lm Dimmable 50 deg beam angle	ILHBC011
Circular High Bay 200W 5000K 24000lm Dimmable 110 deg beam angle	ILHBC012
Panel Edge-lit 600x600 38W 6500k 3850lm	ILP6060E007
Panel Edge-lit 600x600 38W 4000k 3800lm	ILP6060E002
Linear Low Bay 100W 5000K 13000lm IP65 110 deg beam angle	ILHBL009
Panel Low-Profile Back-lit 600x600 42W 4000K 5500lm	ILP6060B028
Panel Back-lit 600x600 35W 5000K 4600lm IP44	ILP6060B011
Panel Back-lit 600x600 35W 4000K 4600lm with Emergency Function	ILP6060B023
Panel Back-lit 600x600 35W 5000K 4600lm with Emergency Function	ILP6060B025
Panel Edge-lit 600x600 30W 4000K 3600lm	ILP6060E003
Panel Edge-lit 600x600 30W 6500K 3640lm	ILP6060E004
Panel Edge-lit 600x600 36W 4000K 4320lm	ILP6060E005
Panel Edge-lit 600x600 36W 6500K 4360lm	ILP6060E006
Panel Edge-lit 1200x600 50W 4000K 6000lm	ILP1260E001
Panel Edge-lit 1200x600 50W 6500K 6050lm	ILP1260E002
Downlight 12W (26W) 3000K 1050lm 200mm cut out Dimmable	ILDL200F001
Downlight 12W (26W) 4000K 1180lm 200mm cut out Dimmable	ILDL200F002
Downlight 12W (26W) 3000K 1050lm 200mm cut out Non-Dimmable	ILDL200F003
Downlight 12W (26W) 4000K 1180lm 200mm cut out Non-Dimmable	ILDL200F004
Downlight 22W (52W) 3000K 1870lm 245mm cut out Dimmable	ILDL245F005
Downlight 22W (52W) 4000K 2080lm 245mm cut out Dimmable	ILDL245F006
Downlight 22W (52W) 3000K 1870lm 245mm cut out Non-Dimmable	ILDL245F007
Downlight 22W (52W) 4000K 2080lm 245mm cut out Non-Dimmable	ILDL245F008
Slimline Ceiling and Wall Light 12W 4000K 1056lm IK10 Non-Dimmable	ILBHC005
Slimline Ceiling and Wall Light 18W 4000K 1584lm IK10 Non-Dimmable	ILBHC006
Slimline Ceiling and Wall Light 25W 4000K 2150lm IK10 Non-Dimmable	ILBHC007
Slimline Ceiling and Wall Light 12W 4000K 1056lm IK10 Non-Dimmable with Integrated 3hr Emergency Function	ILBHC008
Slimline Ceiling and Wall Light 12W 4000K 1056lm IK10 Non-Dimmable with Integrated Microwave Sensor Function	ILBHC009
Slimline Ceiling and Wall Light 12W 4000K 1056lm IK10 Non-Dimmable with Integrated 3hr Emergency and Microwave Sensor Function	ILBHC010
Slimline Ceiling and Wall Light 18W 4000K 1584lm IK10 Non-Dimmable with Integrated 3hr Emergency Function	ILBHC011
Slimline Ceiling and Wall Light 18W 4000K 1584lm IK10 Non-Dimmable with Integrated Microwave Sensor Function	ILBHC012
Slimline Ceiling and Wall Light 18W 4000K 1584lm IK10 Non-Dimmable with Integrated 3hr Emergency and Microwave Sensor Function	ILBHC013
Panel Back-lit 1200x600 46W 4000K 6900lm	ILP1260B001
Panel Back-lit 1200x600 46W 5000K 6900lm	ILP1260B003
Panel Low-Profile Back-lit 600x600 25W 4000K 3500lm TP(b) rated Polycarbonate Diffuser	ILP6060B017
Panel Low-Profile Back-lit 600x600 35W 4000K 4600lm TP(b) rated Polycarbonate Diffuser	ILP6060B018
Panel Low-Profile Back-lit 600x600 43W 4000K 5500lm	ILP6060B019
Panel Back-lit 600x600 33W 5000K 4600lm	ILP6060B024
Panel Low-Profile Back-lit 600x600 42W 4000K 5500lm with integrated emergency function	ILP6060B028
Panel Low-Profile Back-lit 600x600 23W 4000K 3500lm with integrated emergency function	ILP6060B030

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Back-lit Panel 600x600 25W 5000K 3500lm with integrated emergency function	ILP6060B006
Panel Back-lit 600x600 33W 4000K 4600lm with integrated emergency function	ILP6060B023
Panel Back-lit 600x600 33W 5000K 4600lm with integrated emergency function	ILP6060B025
Panel Low-Profile Back-lit 600x600 25W 4000K 3500lm	ILP6060B017
Panel Edge-lit 600x600 32W 4000K 3600lm IP65	ILP6060E001
Panel Back-lit 1200x600 46W 4000k 6900lm with integrated emergency function	ILP1260B007
Performance Flex Downlight 15W (36W) 4000K 1350lm 150mm cut out Dimmable	ILDL150E001
Performance Flex Downlight 30W (52W) 4000K 2700lm 200mm cut out Non-Dimmable	ILDL200E007
Performance Flex Downlight 30W (52W) 4000K 2700lm 200mm cut out Dimmable	ILDL200E008
Panel Low-Profile Back-lit 600x600 23W 4000K 3500lm	ILP6060B029

Summary Performance criteria

Minimum luminaire efficacies for white LED lighting units

Category	**Minimum luminaire efficacy (in luminaire lumens per circuit watt)**
Amenity, accent and display lighting units	>= 75
General interior lighting, using downlighting units (DLOR/LOR>=0.9)	>= 82
General interior lighting using uplighting units (DLOR/LOR<0.1)	>= 100
General interior lighting using combined up and down lighting units (DLOR/LOR>=0.1 and <0.9)	>= 100 - (18 x DLOR/LOR)
Exterior area lighting units	>= 82
Exterior floodlighting units	>= 82

“>=” means “greater than or equal to”.

All products must:

- Have a luminaire efficacy (i.e. lighting efficacy) that is greater than, or equal to, the thresholds set out in Table 1 above, after 100 hours of continuous operation.
- Provide a light output (in lumens) after 6000 hours of continuous operation that is not less than 90% of their initial light output (in lumens).
- Have a colour rendering index that meets the requirements of Section 2.2 of Commission Regulation (EU) no 1194/2012 (implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to eco-design requirements for directional lamps, light emitting diode lamps and related equipment) Ra >= 80
- Have a power factor that is greater than, or equal to, 0.7 at all levels of product light output.

Authorised for and behalf of Integral LED

A. Gooding

Andrew Gooding

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Technical and Compliance Manager

Product data last updated on: Friday, September 29, 2017 - 17:37

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