# Downlight 11W (18W) 4000K 1000lm 150mm cut out Non-Dimmable Matt white finish

The new range of Integral Slim-line integrated downlights has been designed to achieve excellent lighting performance, with a smart, sleek design that looks good on or off.

The high luminous efficacy offers great saving in running cost when replacing old CFL downlights. The Polycarbonate diffuser gives uniform light over the entire lighting surface. The integrated driver and loop-in / loop-out connector means installation is quick and simple.

## Product Details

Partcode: ILDL150D006

Check Code: 430156

Range Name: Slimline Integrated

Placement / Application: Indoor, General Lighting

Market Segment: Commercial indoor, Residential indoor

Product Type: CFL-PL and 2D replacements

Warranty: 2 Years

CE / RoHS: Yes

Suitable for claiming Enhanced Capital Allowance: Yes

## Physical Data

Product Finish: Matt white

Optic: Polycarbonate diffuser

Material: Polycarbonate

Construction: Injection moulding



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## Physical Data

Depth: 31mm

Diameter: 175mm

Weight (Unpackaged Single Unit): 263g

Cut Out Diameter: 150mm

Luminaire Fixing: Recess mounted

## Electrical Data

Voltage Range: 220-240V

Power Consumption: 11.0 Watts

Driver included: Integrated

Electric Current: AC

Frequency Range: 50/60 Hz

Power Factor: >=0.90

Wattage Equivalent: 18 Watts

Dimming: Non-dimmable

LVD Certified: Yes

EN: EN-60598

## Light Data

Lumens: 1,000lm

Lumens per Watt: 91.0lm/W

Lighting Method: Back-lit

Beam Angle: 105º

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: 25,000 hrs

Switching Cycles: >12,500 X



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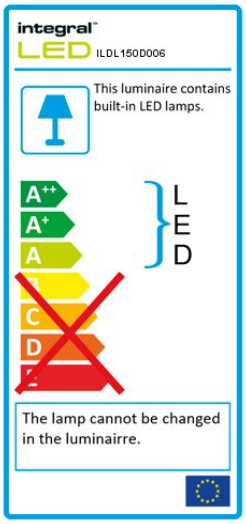
## Environmental




Lowest Operating Temperature: -20 degrees

Maximum Operating Temperature: 40 degrees

IP (Ingress Protection) Rating: IP20

Hg 0% (Mercury Free): Yes

## Packaging

EAN Barcode (unit of 1): 5055788222835

Packaged Weight (Unit of 1): 358g

Length (unit of 1): 197mm

Width (unit of 1): 197mm

Depth (unit of 1): 57mm

**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 | ILP6060B006 |
| 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 Low-Profile Back-lit 600x600 25W 4000K 3500lm | ILP6060B017 |
| Panel Back-lit 1200x600 60W 4000k 8200lm | ILP1260B005 |
| Spacelux Circular high bay 160W 5000K 20,960lm 110 deg beam angle Non-Dimmable | ILHBG007 |
| 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 |
| Panel Low-Profile Back-lit 600x600 25W 4000K 3500lm with DALI dimming | ILP6060B020 |



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|---|---|
| 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 |
| 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 Low-Profile Back-lit 600x600 23W 4000K 3500lm | ILP6060B029 |
| Panel Low-Profile Back-lit 600x600 23W 4000K 3500lm with Emergency Function | ILP6060B030 |
| Panel Back-lit 600x600 35W 5000K 4600lm IP44 | ILP6060B011 |
| Panel Back-lit 600x600 25W 5000K 3500lm with Emergency Function | ILP6060B027 |
| 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 |
| 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 |
| 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 |

## 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”.



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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

Technical and Compliance Manager

*Product data last updated on: Monday, August 7, 2017 - 14:35*



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