Hacel

Fluent in Lighting

PRODUCT INFORMATION

iMod LED Recessed shown above

LG7 Replacement

in accordance with SLL Code for Lighting 2012

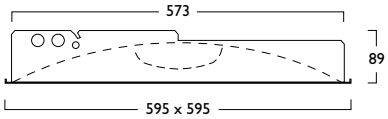
mod LED

MV LED

24w	LED	IM249	_	LED	_	24	I	351
36w	LED	IM249	_	LED	_	36	I	351

230V 50Hz | Class I | IP 20 | F | 20mm | 6.0 kg

LED



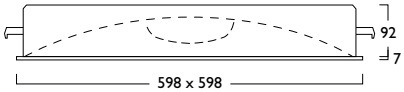
mod LED Recessed

MV LED

24w	LED	IM248	_	LED	_	24	I	351
36w	LED	IM248	_	LED	_	36	I	351

230V 50Hz | Class I | IP 20 | F | 20mm | 580 x 580 mm | 6.5 kg

LED



A	LED driver
E	Emergency
Z	Self test Emergency
H	Analogue (1-10V) dimming
I	Analogue (1-10V) dimming + Emergency
W	Analogue (1-10V) dimming + self test Emergency
S	DALI dimming
T	DALI dimming + Emergency
U	DALI dimming + self test Emergency
C	DALI dimming + DALI Emergency

3 - Warm White (3000K) **4** - Neutral White (4000K) **5** - Cool White (5000K)

I - White

- Distinctively styled Grid Light Module with ribbed polycarbonate refractor and Micro Fusion film
- Suitable for 15mm and 25mm T grid ceilings
- Recessed versions for plasterboard applications
- Luminance limits below 3000cd/m² at the 65° cut off
- Suitable for office lighting in accordance with SLL Code for Lighting 2012
- Warm White (3000K), Neutral White (4000K) and Cool White (5000K) versions
- Outstanding performance with an LOR of 0.89
- Refractor is TP(b) and 850°C glow wire test compliant
- Lumen output for 24W, 3000K: 2611, 4000K: 2796, 5000K: 3187
- Lumen output for 36W, 3000K: 3468, 4000K: 3708, 5000K: 4226
- Utilises Cree XT-E Lighting Class LED Semiconductors
- Designed and manufactured within the Cree test configuration guidelines
- Reduced energy consumption with efficacies in excess of 83 lm/W (4000K)
- Power factor of 0.98
- 50,000 hour lamp life with three year warranty against total failure
- DALI, 1-10V Dimming and Emergency versions available
- Shallow recessing depth of only 89mm (Recessed versions 92mm)

HACEL LIGHTING LTD. The Silverlink, Wallsend, Newcastle upon Tyne, Tyne and Wear. NE28 9ND Tel: (0191) 280 9911 Fax: (0191) 263 1144
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TECHNICAL DATA

3 Warm White (3000K):	24W LED	36W LED
Lumen Output:	2611 lm	3468 lm
Ra Index:	80	80
Total Power:	27.3W	39.5W
Power Factor:	0.99	0.98
Running Current:	0.12A	0.17A
Efficacy:	85.1 lm/W	78.1 lm/W

4 Neutral White (4000K):	24W LED	36W LED
Lumen Output:	2796 lm	3708 lm
Ra Index:	75	75
Total Power:	27.3W	39.5W
Power Factor:	0.99	0.98
Running Current:	0.12A	0.17A
Efficacy:	91.2 lm/W	83.5 lm/W

5 Cool White (5000K):	24W LED	36W LED
Lumen Output:	3187 lm	4226 lm
Ra Index:	70	70
Total Power:	27.3W	39.5W
Power Factor:	0.99	0.98
Running Current:	0.12A	0.17A
Efficacy:	103.9 lm/W	95.2 lm/W

Fluorescent Comparisons

	2x 14W TFL	2x 24W TFL
Lumen Output:	2400 lm	3500 lm
Total Power:	31.5W	51.0W
Running Current:	0.14A	0.22A
Efficacy:	76.2 lm/W*	68.6 lm/W*

** Efficacies of luminaires must take into account the LOR*

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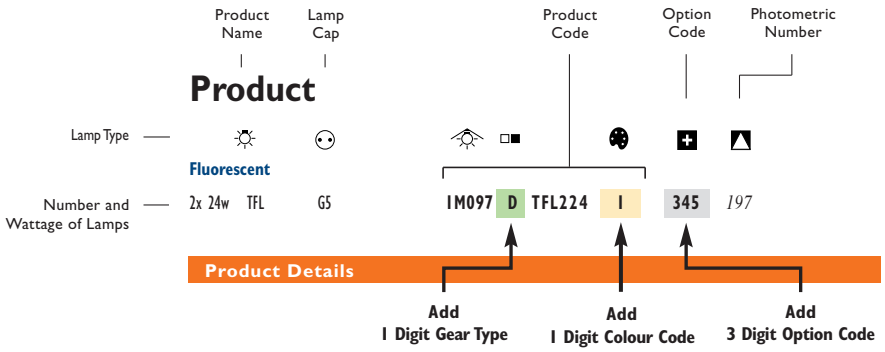
Product Codes Explained



Symbols

- 12V — 12V
- 230V 50Hz — Voltage & frequency
- Class I — Class I / II / III
- IP 20 — Ingress protection
- F — Suitable for flammable surface
- Plug & socket connections
- Unfused terminal block
- Fused terminal block
- Integral fuse
- 20mm — Knockout size
- 45° — Tilt
- 360° — Rotation / pan
- 180mm — Cut out
- 120mm — Fixing centres
- **Uplighting** / Downlighting
- Uplighting / **Downlighting**
- Pressed metal construction
- Extruded aluminium construction
- Spun construction
- Die cast construction
- Injection moulding
- 0.5 m — Minimum distance from lamp
- Decorative glass feature
- Safety glass
- Foot switch
- Supplied complete with plug
- 2.0 kg — Maximum weight kg
- 40 °C — Operating temperature of fascia
- Tamper proof screws
- 100 kg — Maximum evenly distributed load kg

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