



## Dimmer Capability Testing

Product Code: YYR400

Date: 19-Sep-25

Brand	Model	Max Lux With Dimmer Connected	% Dim Before Flicker Present	Audible Noise Present (Y/N)	Visible Colour Shift Present (Y/N)	Pass/Fail	Comments
HPM Legrand	EM400A2P	659.6	NONE PRESENT	N	N	P	
HPM Legrand	EM700TR	1474	2.40%	N	N	P	
HPM Legrand	EM250TR	1427	6.79%	N	N	P	Caution on lower level dimming
PDL	PDL624TM	1812	11.63%	N	N	F	Not suitable for low level dimming
PDL	PDL624M	1914	2.87%	N	N	P	
KIWI	K005U	1998	1.18%	N	N	P	
CLIPSAL	32GLEDM	2013	6.01%	N	N	P	
DIGINET	MMDM/RT	1752	7.88%	N	N	P	Caution on lower level dimming
DIGINET	MEDM	1776	4.43%	N	N	P	

### Testing Criteria:

- **Test Equipment Used:** UPRtek - MK3505 - calibrated to manufacturer specifications.
- **Unit Under Test:** 1 x luminaire unit connected on a single dedicated circuit.
- **Measurement Setup:** Lux readings taken at a fixed 1-metre distance from the luminaire to the measurement tool.
- **Environment:** Controlled indoor environment (stable temperature, minimal ambient light interference).
- **Voltage Supply:** Standard mains (e.g. 230 V AC, 50 Hz) with  $\pm 6\%$  tolerance.
- **Duration:** Each test maintained for a minimum of 5minutes at low and high dimming levels to monitor stability.

### Notes:

- \* Results represent controlled test conditions. Actual performance may vary depending on installation setup, mains voltage fluctuations, and environmental factors.
- \* Testing has been carried out across a selection of dimmers. While the product may also operate with other dimmers, these results are intended as indicative guidance only and sh

### Example Calculation for % Dim before flicker present (FOR INTERNAL USE ONLY)

Max Lux with dimmer connected = 1000lx

Min Lux with dimmer connected, before flicker/noise present = 50lx

$1000 / 50 = 0.05$

$0.05 \times 100 = 5\%$

5% dim is when noice/flickering is present