

Summary of MEPS coverage

Performance Requirements	Product Package Requirements	Test Methods Specified
Energy Efficiency and photometrics <ul style="list-style-type: none"> • Efficacy • Replacement lamp equivalence • Centre beam luminous intensity • Light distribution Energy conservation <ul style="list-style-type: none"> • Standby power • Smart Lighting: on-demand power consumption feature (smart lamps only) Colour <ul style="list-style-type: none"> • Colour rendering • Colour appearance • Colour maintenance Life <ul style="list-style-type: none"> • Endurance • Lumen maintenance • Rated life declaration Electrical <ul style="list-style-type: none"> • Power factor • Harmonics Operation <ul style="list-style-type: none"> • Dimmer compatibility • ELV converter compatibility (For ELV lamps only) Health <ul style="list-style-type: none"> • Photo-biological Safety • Dominant light modulation frequency (f) and modulation percent at this frequency (includes flicker effects) • Maximum high angle luminance 	<ul style="list-style-type: none"> • Lumens • Efficacy (lumens per Watt) • Watts (must be in a smaller font than efficacy on package) • Replacement lamp equivalence (directional and non-directional lamps) • Rated lifetime • Correlated colour temperature • Colour rendering index • Beam angle (for directional lamps and small luminaires) • Dimmable • Dimmer compatibility information and weblink • ELVC converter compatibility information and weblink • Ballast compatibility information and weblink (for linear LED lamps) • Website link for disposal information • Standby energy use • Photobiological safety • Product identification number as used for product registration 	<ul style="list-style-type: none"> • AS/NZS IEC 62301 (or IEA 4E SSL Task 7 2016 draft publication) • CIE S025 (with some references to CIE 13.3 and CIE S015) • EN 13032-4:2015 • Energy Star Lamps v2 Section 12.9 • IEC 60598.1 Section 12.4.1 • IEC 61000-3-2 (2014) • IEC 61000-4-7 • IEC 62471/CIE S009 • IEC 62612: 2013 • IEC 62717: 2014 • IEC 62722.2.1: 2011 • IEEE 1789 • IESNA LM79 (accepted until July 2019) • IESNA LM80 • IESNA LM84 • IESNA TM21 • IESNA TM28 • UL 1598 Clause 14