

Acceptance of Components

1. Acceptance of Components within the IECEE (CB scheme)

Follow by IECEE OD-2039 and OD-G-2060 (<https://www.iecee.org/documents/refdocs/>)

2. Recognition of components within the ECS (ETICS)

Follow by ECS 028 (<https://www.etics.org/doc/third.php?groupid=135&nbmax=47&typ=p>)

3. Acceptance of Components within the LIA scheme

i. Existing harmonised standard for the component (EN standards)

	Guidelines for Component Acceptance Situation for Component Conformity Evidence	Verdict
1	Component have a national mark / license and certificate (e.g. Kitemark, Keymark, ENEC, TUV, VDE, DEKRA, etc..)	Acceptable
2	No national mark/license (no mark on a product), certificate of conformity is available with full test report (but not older than 5 years). Note: IECEE CB certificate shall be always provided together with associated test report (and vice versa, as specified in document IECEE 02 – Rules of Procedure).	Acceptable
3	No national mark/license, certificate of conformity is available with full test report but is older than 5 years	Not Acceptable
4	Full safety test report is available (but not older than 5 years). Note: IECEE CB test report shall be always provided together with associated certificate (and vice versa).	Acceptable
5	No national mark/license, no certificate of conformity, no test report. Component is tested with the luminaire partially, without full test report according to the component standard (for commercial components)	Not Acceptable
6	No national mark/license, no certificate of conformity, no test report. Component shall be partially tested (by the LIA Laboratory) with the luminaire to selected clauses (for components made in-house only)	Acceptable
7	No national mark/license, no certificate of conformity, no test report, no future tests to be done.	Not Acceptable
8	Component full safety assessment to be done through the LIA Laboratory (in-house or subcontracted).	Acceptable
- National mark/license or certificate of conformity shall be issued by a certification body accredited to ISO/IEC 17065 and test report shall be issued by a testing laboratory accredited to ISO/IEC 17025. - Standard for component shall be in the scope of the certification body / testing laboratory. - If the certification body / testing laboratory does not have the component standard in their scope, additional analysis will need to be conducted for acceptance. - See list of acceptable components standards below (pages 3-4)		

ii. No existing harmonised standard, but an IEC Publication or a national/regional standard for the component exists (IEC standards, national standards)

The same as for clause 3i.

iii. The luminaire standard contains component requirements

The component shall be checked for correct application and use in accordance with its specified ratings. It shall be subjected to the applicable tests of the luminaire standard, as part of the luminaire under the conditions occurring in the luminaire. The applicable tests shall be reported in the Test Report.

Acceptance of Components

Component Acceptance	
Component	Safety Standard
Independent power supply	IEC/EN 61558 series (transformers, supplies all kind of luminaires) IEC/EN 62368-1 & IEC/EN 62368-3 (USB)
Controlgear	IEC/EN 61347 series IEC/EN 61347-2-2 (for filament lamps) IEC/EN 61347-2-3 (for fluorescent lamps) IEC/EN 61347-2-7 (for controlgear for emergency lighting) IEC/EN 61347-2-9 (for discharge lamps) IEC/EN 61347-2-13 (for LED modules)
Transformer	IEC/EN 61558 series IEC/EN 61558-2-6 (for SELV transformer) IEC/EN 61558-2-16 (for SELV transformer)
Wireless charger	IEC/EN 62368-1
USB input/output	IEC/EN 62368-3
Socket-outlet, Appliance inlet, Appliance coupler etc.	IEC/EN 60309 IEC/EN 60309-1 IEC/EN 60309-2 IEC/EN 60320 (Appliance inlet) IEC/EN 60320-1 IEC/EN 60320-2 IEC 60884 series
Plug and socket-outlet	IEC/TR 60083 BS 1363 (plug UK) IEC 60884 series EN 50075 (Euro plug) VDE 0620 series (Plug and socket outlet, German) NF C 61-314 (Plug and socket outlet, France)
Terminal block	IEC/EN 60998-2-1 IEC/EN 60998-2-2 IEC/EN 60947-1 IEC/EN 60598-1 (clause 14 or 15)
Connector	IEC/EN 61984 IEC/EN 60838-2-2 IEC/EN 62368-3 IEC/EN 60947-7-4
Installation coupler	IEC/EN 61535
NEMA cap, no component inside	IEC PAS 63422 / IEC 60598-1 Zhaga Book 18
NEMA device	IEC PAS 63422 / IEC 60598-1 / Depending on electronic inside: IEC 61347-2-11, IEC 62368-1, IEC 61058-1-2, ...
Capacitor (X, Y)	IEC/EN 60384-14
Insulation bridging resistor	IEC/EN 60065
Fusing resistor	IEC/EN 60127-8
Overvoltage protective device (SPD)	IEC/EN 61643-11
Cables	IEC 60227 (PVC cables) IEC 60245 (Rubber cables) EN 50525 series (Cables, Europe) Technical specification for non-standardized construction (eg. VDE-REG, IMQ specification, BASEC, etc.)

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Internal wiring	Datasheet or any relevant technical documentation is needed (at least information about Manufacturer, Model number, characteristics).
Lampholders	IEC/EN 60238 (Edison screw lampholders)
	IEC/EN 60400 (lampholders for tubular florescent lamps and starterholders)
	IEC/EN 60838 (Miscellaneous lampholders)
	IEC/EN 60838-2-1 (S14)
	IEC/EN 60838-2-2 (LED Module)
	IEC/EN 60838-2-3 (LED Tube)
	IEC/EN 60400 (FL, Starterholders)
	IEC/EN 60155 (Starter)
	IEC/EN 61184 (Bayonet lampholders)
Light sources	IEC/EN 60432-1 (Tungsten filament lamps)
	IEC/EN 60432-2 (Tungsten halogen lamps)
	IEC/EN 60432-3 (Incandescent lamps)
	IEC/EN 60634 (Heat test sources (H.T.S) lamps)
	IEC/EN 61195 (Double-capped fluorescent lamps)
	IEC/EN 61199 (Single-capped fluorescent lamps)
	IEC/EN 61549 (Miscellaneous lamps)
	IEC/EN 62031 (LED modules)
	IEC/EN 62035 (Discharge lamps)
	IEC/EN 62560 (Self-ballasted LED lamps)
	IEC/EN 62838 (LED lamp, <50V)
	IEC/EN 60968 (Self-ballasted fluorescent lamps)
	IEC/EN 62776 (Double-capped LED lamps to retrofit fluorescent lamps)
Lamp caps	IEC 60061-1/-3
Lampholders	IEC 60061-2/-3
	IEC 60061-4 (Lampholders, Guide)
Sensor	IEC/EN 61058
	IEC/EN 60669-2-1
	IEC/EN 61347-2-11
Switch	IEC/EN 61058-1
	IEC/EN 61058-1-1 (Mechanical)
	IEC/EN 61058-1-2 (Electronic, Sensor, PIR, Radar,...)
	IEC/EN 61058-2-1 (Cord switch, Installation, PIR, Radar,...)
	IEC/EN 61347-2-11 (Sensor, PIR, Radar,...)
	IEC/EN 61058-2-4 (Switch, independently mounted)
Battery	IEC/EN 62133-2 (Li cell/batteries, portable product)
	IEC/EN 62619 (Li cell/batteries, stationary)
	IEC/EN 62133-1(NiMh cell/batteries, portable product)
	IEC/EN 61951-2 (NiMh cell/batteries, stationary)
	IEC/EN 61951-1 (NiCd)
	IEC/EN 60896-21 & IEC/EN 61056-1 (Valve regulated lead acid batteries)
	IEC/EN 60086 series (Primary batteries)
Fuse	IEC/EN 60127
	BS1362 (UK)
Thermal link	IEC/EN 60691
Electrical supply track systems for luminaires	IEC/EN 60570
Cord set	IEC/EN 60799

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Additional components – can be tested with appliance	
Cable sleeve	IEC/EN 60684; Tested with appliance, if applicable (at least datasheet is necessary)
Seal / gasket	Tested with appliance; To be always mentioned with IP rated luminaires (at least datasheet is necessary)
Gland	Tested with appliance; To be always mentioned with IP rated luminaires (at least datasheet is necessary)
Cord anchorage (clamp)	Tested with appliance; if applicable (at least datasheet is necessary)
Insulation foil	Tested with appliance, if applicable (at least datasheet is necessary)
Plastic body / plastic diffuser/ plastic lenses, etc.	Tested with appliance, if applicable (at least datasheet is necessary)
Other standards for component can be individually considered.	