

OSM/LUM DECISION SHEET (DSH)

Standard(s) (incl. year)	Subclause(s)	Tracking No.	Year
EN 60598-2-3:2003/A1:2011	Scope	DSH 2088A	2019
Category			
LITE			
Subject	Keywords	Developed by	Approved at
Luminaires with solar panels	<ul style="list-style-type: none"> - Solar panels - Photovoltaic power systems - Secondary cells - Lamp control gear 	OSM/LUM-ETF5	2019 ETICS Plenary Meeting
Question			
<p>What would be the appropriate standards for certifying luminaires with solar panels in general? And what would it be especially for the street lighting standard EN 60598-2-3? Assumption: The luminaire is supplied by solar panels only, not connected to electricity supply.</p>			
Decision			
<p>List of standards that may be applicable:</p> <p>Leading standard:</p> <ul style="list-style-type: none"> • EN 60598-2-3 – Luminaires – Part 2-3: Particular requirements – Luminaires for road and street lighting <p>Supporting standards</p> <ul style="list-style-type: none"> • EN 61730-1 – Photovoltaic (PV) module safety qualification – Part 1: Requirements for construction; • EN 61730-2 – Photovoltaic (PV) module safety qualification – Part 2: Requirements for testing; • EN 62109-1 – Safety of power converters for use in photovoltaic power systems – Part 1: General requirements; • EN 62133 – Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for portable sealed secondary cells, and for batteries made from them, for use in portable applications; • EN 62619:2017 - Secondary cells and batteries containing alkaline or other non-acid electrolytes - Safety requirements for secondary lithium cells and batteries, for use in industrial applications. • EN 61347-2-11 - Lamp controlgear – Part 2-11: Particular requirements for miscellaneous electronic circuits used with luminaires; • EN 61347-2-13 - Lamp controlgear – Part 2-13: Particular requirements for d.c. or a.c. supplied electronic controlgear for LED modules. 			
Explanatory notes			
