

OSM/LUM DECISION SHEET (DSH)

Standard(s) (incl. year)	Subclause(s)	Tracking No.	Year
EN 60598-1:2015/A1:2018	9	DSH 2051A	2019
Category			
LITE			
Subject	Keywords	Developed by	Approved at
IP recessed luminaires	<ul style="list-style-type: none"> - Recessed luminaire - IP rating - Mesh 	OSM/LUM-ETF5	2019 ETICS Plenary Meeting
Question			
<p>Question 1 When testing the front face of a recessed luminaire for ingress protection, is dust or water allowed to enter the recessed void?</p> <p>For example, a recessed box is built and the luminaire is mounted following manufacturer's instructions, and after an IP54 test, water and dust get through the sides of front face and enter the recessed void. In this case, according to the standard, there shall be no water or deposit of dust in the luminaire that affects creepage and clearances. On the other hand, is water or dust entry in the ceiling void allowed where it does not get inside the luminaire enclosure? The recessed luminaire has an IP20 controlgear mounted to the back.</p> <p>Question 2 Is it required to use expanded metal spacer between the body of a recessed luminaire and the mounting surface? If the spacer is required, should it be located on the outside or inside of the ceiling or on both sides?</p>			
Decision			
<p>A1) The entry of water or dust in recessed voids is allowed, given it does not get inside the luminaire. It is the responsibility of the installer to guarantee a correct installation. The IP rating is relevant for the luminaire itself and not for the environment outside the luminaire.</p> <p>A2) The use of mesh is not necessary for testing the IP rating of recessed luminaires. The luminaire is checked separately above and below the recess taking its installation instruction into account.</p>			
Explanatory notes			
