

IP Ratings

Solids (first number)		Liquids (second number)	
0	No protection	0	No protection
1	Protected against objects > 50mm (hands)	1	Protected against dripping water or condensation
2	Protected against objects > 12mm (fingers)	2	Protected against sprays of water 15° from vertical
3	Protected against objects > 2.5mm (tools/wires)	3	Protected against sprays of water 60° from vertical
4	Protected against objects > 1mm (small tools)	4	Protected against water sprayed from all directions
5	Protected against dust, limited ingress	5	Protected against low pressure jets of water
6	Totally protected against dust	6	Protected against heavy seas
7		7	Protected against the effects of immersion
8		8	Protected against submersion

Example: An IP rating of IP-68 would indicate a dust tight device that can withstand total submersion in water.

NSF Certifications

NSF Certification	Description of Locations/Use and Commentary	Typical Lighting Applications
NON-FOOD ZONE	Area where direct contact with food products during normal operations would not be expected. Equipment is located outside the normal washdown area. There is a concern that the fixture will add contamination to the protected space or food product (e.g., cleanability—will the finish withstand cleaning, chipping paint, deteriorating paints or finishes, lens impact resistance, lamp breakage, etc).	Kitchens: Food Storage; Dry process area; Damp process areas—no drip possibility
SPLASH ZONE	Area where direct contact with food products during normal operations would not be expected; however, the fixture may be situated such that liquids used in the processing or cleaning procedures, may splash, spill, or otherwise soil—either intentionally or inadvertently—the surface of the fixture. There then is the potential for dripping or draining onto other surfaces or even the process. Since these fixtures are often used in washdown areas. Wet location listing is not sufficient. Fixtures must be tested to withstand high pressure hose washdown. The concerns of Non-Food Zone also apply.	Wet or damp process areas; high pressure purging and/or decontamination used in the process; Areas using hose washdown
FOOD ZONE	Area where direct contact with food products is normally expected and surfaces from which the food may drip, drain, or splash back onto surfaces normally in contact with food. Equipment other than lighting fixtures typically require this certification (e.g. work tables cutting boards, others direct contact equipment).	Category not typically used for lighting

