

ENDON[®]

LIGHTING

IP RATINGS

All exterior fittings have an IP (Ingress Protection) rating which is a declaration of how much protection any product has against the ingress of both water and dust / particles. The minimum rating for an outdoor luminaire exposed to rain should be IP23 and the maximum can be up to IP68 (this can vary in different countries) which means the fitting is submersible. Most of our fittings are IP44 or greater and some of the Landscape models are up to IP67 meaning they can be covered by water up to a depth of 150mm, such as in-ground lights. See table below for full classifications. Typically, the higher the numbers, the higher the performance.

1st Digit	Short Description (Protection against ingress of solid bodies)	2nd Digit	Short Description (Protection against ingress of moisture)
0	Non-Protected	0	Non-protected
1	Protected against solid objects greater than 50mm dia.	1	Protected against dripping water falling vertically greater than 50mm diameter
2	Protected against solid objects greater than 12mm dia.	2	Protected against dripping water when the Luminaire is tilted up to 15° from its normal position
3	Protected against solid objects greater than 2.5mm dia.	3	Protected against spraying water falling on the Luminaire at any angle up to 60° from the vertical
4	Protected against solid objects greater than 1mm dia.	4	Protected against splashing water from any angle
5	Dust-protected	5	Protected against water jets from any direction
6	Dust-tight	6	Protected against powerful water jets
		7	Protected against immersion in water under defined conditions
		8	Protected against continuous submersion under manufacturers specified conditions

Example - IP65 - Dust-tight and protected against water jets from any direction

