

Ingress Protection (IP) Rating

Each light within our brochure has been given an appropriate IP rating; this relates to the degree of protection the light provides against solid object and water ingress. IP ratings are relevant to anywhere that moisture is prevalent, such as bathrooms, utility rooms and exterior environments. Written as IPxx, the first x defines the level of protection offered from dust; the second x defines the level of protection offered from moisture. The higher the numbers are, the better the protection will be.



INGRESS PROTECTION

IP65

SOLID OBJECT

MOISTURE

1	Protected against a solid object greater than 50mm such as a hand	1	Protected against vertical falling drops of water. Limited ingress permitted
2	Protected against a solid object greater than 12.5mm such as a finger	2	Protected against vertical falling drops of water with enclosure tilted up to 15 degrees from the vertical. Limited ingress permitted
3	Protected against a solid object greater than 2.5mm such as a screwdriver	3	Protected against sprays of water up to 60 degrees from the vertical. Limited ingress permitted
4	Protected against a solid object greater than 1mm such as a wire	4	Protected against water splashes from all directions. Limited ingress permitted
5	Dust protected. Limited ingress of dust permitted. Will not interfere with operation of the equipment	5	Protected against jets of water. Limited ingress permitted
6	Dust tight. No ingress of dust	6	Protected against powerful jets of water. Limited ingress permitted
		7	Watertight against the effects of immersion in water between 15cm and 1m for 30 minutes
		8	Watertight against the effects of immersion in water under pressure for long periods

Choose the right IP rating for your location

In most cases a product with a rating of IP44 will be suitable for the majority of locations, but there are certain circumstances where a lower or higher rating would be more appropriate. For products fitted in porches or downlights fitted in soffits, the property will give a certain amount of protection and these can be rated IP23.

For commercial properties we offer wall and ground light products with improved seals that have a higher rating of IP65. Our IP67 rated products are the most resilient, and can withstand almost all weather conditions.

