

# What is the security level of a LED panel light?

LED panel light IP represents Ingress Security, which is drafted by IEC (INTERNATIONAL ELECTRONICAL COMMISSION) and is an important index for security protection of electrical tools. Simply speaking, IP score splits the dustproof and also water resistant efficiency of an item.

For instance, the defense degree of Billionaire lights manufacturing facility water resistant LED panel light is IP68, the first number represents the product's variety of anti-dust, standing for the level of protection against strong international objects; the 2nd number represents the degree of confinement of the appliance against wetness and also water immersion. LED light panel , the higher the level of dirt as well as water resistance.

For the dustproof score, the numbers subsequently stand for the complying with meanings.

0: Unprotected, no special defense.

1: Protection against penetration by objects bigger than 50mm.

2: Protection versus infiltration of objects bigger than 12 mm.

3: protect against complete infiltration of anything bigger than 2.5 mm.

4: Protection against infiltration of things larger than 1.0 mm.

5: Dustproof, which does not entirely stop the ingress of dirt, however the amount of access will not impact regular electrical procedure.

6: Dustproof and completely secured from dust intrusion.

For the waterproofing course, the numbers consequently suggest the following.

0: Unprotected, no special security.

1: Security versus dripping intrusion and also vertical leaking of water.

2: Avoids drip ingress even at a disposition of 15 degrees.

3: Defense from water ingress by spray.

4: Defense from splash water invasion.

5: Safeguard against water invasion from huge waves.

6: Security against water breach from huge waves.

7: Avoidance of invasive water breach.

8: Stop the results of sinking.

led panel light level waterproof

The IP rating of usual downlights and also panel lights in the existing market is IP20, which is a very fundamental protection degree (dustproof level 2, water resistant level 0). The waterproof LED panel light from Billionaire lights has an IP68 defense rating, which indicates it is dustproof quality 6 as well as water resistant grade 8, with excellent defense efficiency as well as can be perfectly utilized in bathrooms, kitchens, washrooms, indoor swimming pools and other scenes.