

🕒 100 seconds

📺 EN · العربية

PRACTICAL LIGHTING KNOWLEDGE

What is *IK?*

The impact code that keeps a streetlight alive, and the three numbers worth memorising.



What stops a vandal's kick or a **flying ball**?

Not the IP rating. IP keeps water and dust out. A second code on the same datasheet, IK, tells you how hard a hit the housing survives.



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EPISODE 07 · WHAT IS IK?

DEFINITION · 1 OF 2

IK

Impact energy **in joules.**



How much of a **blow the enclosure absorbs.**
Measured per IEC 62262.



DEFINITION · 2 OF 2

IP VS IK

IP keeps the weather out. IK keeps
the world out.



Two separate codes, **one datasheet.**
Vandal resistance, not water ingress.



THE SCALE

IK00 → IK10
0 J up to 20 J

Higher code, harder hit. IK08 survives 5 J. IK10 takes a 5 kg mass dropped from 40 cm, about 20 J, tested per IEC 62262.



One rating. Three takeaways.

What to carry into your next specification conversation. The code is small, the consequences are not.

IT MEASURES

**Mechanical impact,
not water**

IK

PER IEC 62262

SAUDI DEFAULT

**Street &
warehouse start
here**

IK08

5 J FLOOR

THE WORKHORSE

**Polycarbonate
dents, glass
shatters**

PC

3 MM = IK08



IK codes you can screenshot.

Impact energy per IEC 62262. Match the code to where the fixture lives.

IK07 · Warehouse aisles

2 J

IK08 · Street · tunnel · industrial

5 J

IK09 · Vandal-prone · public areas

10 J

IK10 · Stadium · transit · ATM canopy

20 J

Saudi street & warehouse default

IK08+



The common spec mistake.

Reading IK as if it were IP. It is **impact, not water**. They are two separate codes, and an IK10 lens can sit on an **IK02 body**. The weak point is the failure point.



NEXT TIME YOU SPEC A FIXTURE

Ask for IK per **IEC 62262.**

Not just a badge on the box. Ask which point was struck, and whether the rating covers the lens, the body, or both.

- ✓ IK code stated per IEC 62262
- ✓ The impact point that was tested
- ✓ Lens IK vs body IK, not just one



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