

Item compared	LVD induction lamp	metal halide	high pressure sodium lamp	high pressure mercury lamp
Period of guarantee	5 years	nil	nil	nil
Use term	Compact: 60,000 hrs separate category: 100,000 hrs	6,000~20,000hrs The change in physical conditions in electrode hot operation leads to an increasingly serious mismatching with ballast and shortens the use term..	24,000 hrs The reason for short use term is similar with metal halide	3,000~6,000 hrs The reason for short use term is similar with metal halide
Power saving performance	Advantages	Poor, higher power consumption	Poor, higher power consumption	Poorer , high power consumption
Efficient light effect	Reach 150 Plm/W	110~140 Plm/W	90 Plm/W	43 Plm/W
Light degradation (%)	very small, 5%(2000hrs)	bigger, 40%(2000hrs)	Big, 30%(2000hrs)	Very big, 45% (2000hrs)
Light temperature	Very low, <80℃, save air-conditioning power consumption	High, >300 ℃, increase air-conditioning power consumption	High, >350 ℃, increase air-conditioning power consumption	Very high, >300 ℃, increase air-conditioning power consumption
Color rendering	>80, excellent	65~90, good	60, poor	45, poorer
warm start	instant start	No	No	No
stroboscopic	no	yes	yes	yes
Dazzle	no	yes	yes	yes
environmental protection	No wasted lamp recycling, no mercury pollution	Resolved wasted lamp recycling problem	Resolved wasted lamp recycling problem	Resolved wasted lamp recycling and mercury pollution issue

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