
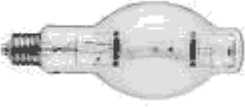



Futek & G.E. Lighting Controls H.K. Joint Venture

Futek- LVD Induction Lamps vs. H.I.D. Lamps

Comparison	Futek- LVD Induction	Metal Halide	High Pressure Sodium
Warrantee	Compact: 5 years Separate: 10 years	None	None
Life Hours	Separate: 100,000	6,000~20,000	24,000
Energy Saving Efficiency	Excellent	Lower	Lower
Lumen Efficacy	Photopic Efficacy: 150 Plm/W (Plm: Pupil Lumen) Traditional Efficacy: 80 Lm/W	Photopic Efficacy: 110 Plm/W (Plm: Pupil Lumen) Traditional Efficacy: 75 Lm/W	Photopic Efficacy: 90 Plm/W (Plm: Pupil Lumen) Traditional Efficacy: 140 Lm/W
Lumen Depreciation Rate %	5% @ 2,000 Hours	40% @ 2,000 Hours	30% @ 2,000 Hours
Lamp Operating Temperature	<80°C	>200° C	>250° C
CRI	>82 (Ra)	65~82 (Ra)	40 (Ra)
Re-strike	Instant	Needs up to 10~15 minutes	Needs up to 5~10 minutes
Flicker	None	Yes	Yes
Glare	None	Yes	Yes
Environmental Safety	No Mercury No lamp waste in 10 years	Contains mercury Concern with much lamp waste over 10 years	Contains mercury Concern with much lamp waste over 10 years
Images			

Futek- LVD Induction Lamps vs. Fluorescent Lamps for Road Lighting

Comparison	LVD Induction	Compact Fluorescent (New Generation 2010) EXTERNAL AMALGAM FILAMENT LESS	Fluorescent Tubes T5 LINEAR TECHNOLOGY
Warrantee	5 years	1.5 years	3 years
Life Hours	80,000~ 100,000	12000~20,000	30,000 Rated 36000/ hours
Energy Saving Efficiency	Excellent	Excellent	Excellent
Lumen Efficacy	Photopic Efficacy: 150 Plm/W (Plm: Pupil Lumen) Traditional Efficacy: 80 Lm/W	Photopic Efficacy: 120 Plm/W (Plm: Pupil Lumen) Traditional Efficacy: 70Lm/W	Photopic Efficacy: 180Plm/W (Plm: Pupil Lumen) Traditional Efficacy: 98Lm/W
Lumen Depreciation Rate %	5% @ 2,000 Hours	10% @ 2,000 Hours	10% @ 12,000 Hours
Lamp Operating Temperature	Lower, <90°C	Lower, <80° C	Lower, <50 C
CRI	>82 (Ra)	65~82 (Ra)	>86 (Ra)
Re-strike	Instant	Instant	Instant
Flicker	None	None	None
Glare	None	None	None
Environmental Safety	< 5mg (Amalgam Form)	< 3 mg(Amalgam Form)	< 1.25mg
Images	 <p>Futek LVD 125W</p>	 <p>Futek HP- 5U T5 Ho Technology Low Pressure Mercury Discharge Lamps</p>	 <p>Futek T5 Bimetric Tech.</p>

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