

SYLVANIA ICETRON ELECTRODELESS FLUORESCENT CONVERSION CHART



Conversion Table & HID Output Information

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INDUCTION REPLACEMENT FOR HID LIGHTING

EXISTING LAMP SOURCE	HID WATTAGE	INPUT WATTS	OSRAM SYLVANIA INDUCTION	INDUCTION LAMP WATTAGE	INDUCTION SYSTEM INPUT WATTS	ENERGY SAVING WATTS
HPS-HIGH PRESSURE SODIUM	70	91	ICETRON	40W	40	51
HPS-HIGH PRESSURE SODIUM	100	128	ICETRON	70W	79	49
HPS	150	190	ICETRON	100W	106	84
HPS	200	230	ICETRON	100/150W	149	81
HPS	250	295	ICETRON	*100/150W	149	146
HPS	400	464	ICETRON	*150W	156	308
HPS	400	464	ICETRON	*200	TBD	TBD
MH-METAL HALIDE	100	130	ICETRON	70W	79	51
MH	150	185	ICETRON	100W	106	79
MH	175	208	ICETRON	100W	106	102
MH	250	288	ICETRON	*100/150W	149	139
MH	400	458	ICETRON	*150W	156	302
MH	400	458	ICETRON	*200W	TBD	TBD

* Light levels are less than initial output of 400w HPS & MH. *100/150W-100w lamp & 150w ballast

TBD-To be determined- The Sylvania 40 & 200w induction lamp and ballast is new to the product mix. Input watts has not been released. 8/12/10

INDUCTION & HID OUTPUT INFORMATION

REFERENCE INFORMATION	LAMP TYPE	LAMP WATTAGE	INPUT WATTS 120 V	INPUT WATTS 277 V	PHOTOPIC LUMENS	AVERAGE LIFE HRS.
INDUCTION	ICETRON	40	43	41	2800	100000
SYLVANIA	ICETRON	70	79	77	6500	100000
SYLVANIA	ICETRON	100	106	103	8000	100000
SYLVANIA	ICETRON	100/150	154	149	11,000	100000
SYLVANIA	ICETRON	150	161	156	12,000	100000
SYLVANIA	ICETRON	200	TBD	TBD	16,800	100000

HID WATTS & LUMEN OUTPUT	LAMP WATTAGE	INPUT WATTS	PHOTOPIC LUMENS		AVERAGE LIFE	
HIGH PRESSURE SODIUM			INITIAL	MEAN	VERTICAL	HORIZONTAL
HPS	70	91	6300	5350	24000	24000
HPS	100	128	9500	8000	24000	24000
HPS	150	190	16000	13800	24000	24000
HPS	200	230	22000	19800	24000	24000
HPS	250	295	29000	26100	24000	24000
HPS	400	464	50000	45000	24000	24000
HPS	1000	1100	90000	81000	24000	24000

HID WATTS & LUMEN OUTPUT	LAMP WATTAGE	INPUT WATTS	PHOTOPIC LUMENS		AVERAGE LIFE	
METAL HALIDE			INITIAL	MEAN	VERTICAL	HORIZONTAL
MH	70	95	5200	3400	12000	12000
MH	100	130	9000	7200	12000	12000
MH	150	185	12900	8000	15000	10000
MH	175	208	14400	9300	10000	7500
MH	250	288	22000	17000	10000	10000
MH	400	458	36000	23500	20000	15000
MH	1000	1080	110000	86000	18000	12000

White light is proving to have advantages for visual performance. Current codes and standards are based on measurements that do not address the impact of pupil lumens, and pupil lumens can be quite different from traditionally measured lumen output of lamps. Studies on the relevance of light spectrum and the mechanics of vision are ongoing, and codes and standards may reflect that in the future.