



Ref: CS-ISCAR  
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# ISCAR

## Background

ISCAR is a world leader in Metal-Cutting tools.

Their Tefen factory when powered by 400w HID lamps with magnetic ballasts suffered from continually declining illumination levels.

The Metrolight solution included 400w SuperHID electronic ballasts dimmed to 280w level, all of which were connected to a central MetroControl™ computer.

## Summary of Results

	Magnetic	SuperHID
Number of lamps	400	400
Lamp wattage / Setup	400W	280W
Ballast type	Magnetic	SuperHID
Light output FC (lux)	28 FC (300 lux)	65 FC (700 lux)
Price per KWH	\$0.092	\$0.092
Annual power consumption KWH	1,355,294	680,842
Annual cost (US\$)	\$124,687	\$62,637
10 years maintenance cost <sup>(1)</sup> (US\$)	\$86,400	\$46,080
Total 10 years cost (US\$)	\$1,333,270	\$672,455
<b>Total 10 years saving</b>		<b>\$660,816</b>

Notes:

(1) Relamping every 2 years with magnetic ballast and 5 years with SuperHID