

IKEA

Background

The IKEA center in Netanya, Israel has a display area of over 44,000 square feet, illumination of which is provided by 400W Metal-Halide lamps.

IKEA management selected the Metrolight SuperHID solution to increase the average illumination whereby reducing maintenance and saving energy.

The Metrolight solution included: 400W SuperHID Electronic Ballasts dimmed to 300W level, all connected to a central MetroControl™ computer.

Summary of Results

	Magnetic	SuperHID
Number of lamps	190	190
Lamp wattage / Setup	400W	300W
Ballast type	Magnetic	SuperHID-300
Light output FC (lux)	8 FC (90 lux)	19 FC (200 lux)
Price per KWH	\$0.13	\$0.13
Annual power consumption KWH	329,639	220,645
Annual cost (US\$)	\$42,853	\$28,684
10 years maintenance cost ⁽¹⁾ (US\$)	\$20,520	\$10,944
Total 10 years cost (US\$)	\$449,050	\$297,782
Total 10 years saving		\$151,267

Notes:

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