

# AUTOBARN

Future Sustainability was fortunate to have supplied a new Autobarn facility with our high efficient LED High Bay lights. The store called for 500lux of light at 1m off the floor, which would call for standard 400W Metal Halide high bay lights with a 6m ceiling height. Due to the directional efficiency of our high bay lights we were able to achieve the same light levels and improve the colour temperature of the store with only 120W LED lights. Instant on/off, low radiant heat, and long life were other major benefits.

### THE SOLUTION

<b>35</b>	LED 120W High Bay Lights
<b>70%</b>	Savings on lighting energy consumption
<b>70%</b>	Savings on energy demand (instant draw)
<b>2.1</b>	Years to break even on initial capital
<b>47.6%</b>	Return on Investment



COST BENEFIT ANALYSIS	TRADITIONAL	SOLUTION
LIGHTING TYPES	Metal Halide High Bay	LED High Bay Light
NUMBER OF LIGHTS	35	35
WATTAGE OF LIGHTS	400	120
WEEKLY RUNNING HOURS	75	75
ANNUAL kW HOURS	54,600	16,380
ANNUAL ENERGY COST	\$7,000 (usage) + \$6,520 (demand)	\$2,100 (usage) + \$1,950 (demand)
TOTAL ANNUAL COSTS	<b>\$13,520</b>	<b>\$4,050</b>

TOTAL ANNUAL SAVINGS	<b>\$9,470</b>
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BREAK EVEN POINT	<b>2.1 years</b>
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RETURN ON INVESTMENT	<b>47.6%</b>
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