



Plan of Warehouse

EXAMPLE - WAREHOUSE WITH 6 AISLES

5 Luminaires Per Aisle, mounted at 8m.
(Total of 30 Luminaires)

Traditional Lighting would provide:
HiBays 400w Mercury - 100 lux
HiBays 400w Metal Halide - 160 Lux

Luminaires: 30 (5 per aisle)
Existing Kw: 13 Kws (30 x 0.44 Kws)
Operating: 8,000 Hours per year
Cost of Energy: 13c per Khr
Staff: 2 full time Warehouse staff

Annual Energy Costs: € 13,520 pa
(ie. 13 Kws x 8000 hours x 0.13c)



OPTION 1:

CHANGE EXISTING LIGHTING TO:
RACKLYTERS 4 x 54 W T5 (Same Quantity).

5 Luminaires Per Aisle, mounted at 8m.
(Total of 30 Luminaires)
Light Level: 200 Lux

New Kw: 7 Kws (30 x 0.23 Kws)

Annual Energy Costs: € 7,280 pa
(ie. 7 Kws x 8000 hours x 0.13c)

Savings: € 6,240 pa

OPTION 2:

CHANGE EXISTING LIGHTING TO:
RACKLYTERS 4 x 54 W T5 (Same Quantity)
EACH WITH OCCUPANCY SENSOR.

5 Luminaires Per Aisle, mounted at 8m.
(Total of 30 Luminaires)
Light Level: 200 Lux

New Kw: 7 Kws (30 x 0.23 Kws)

Max: Occupancy: 30%

Annual Energy Costs: € 2,184 pa
(ie. 7 Kws x 8000 hours x 0.13c x 30%)

Savings: € 11,336 pa