

## Comparing the light distribution of LED fixtures and conventional fixture

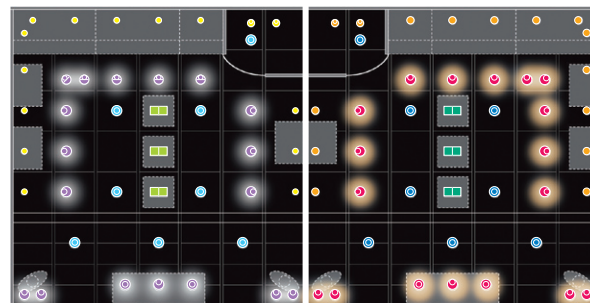


Light distribution of typical conventional fixtures

	Adjustable Downlight HIT PAR20 35W	18 units
	GYRO with two lamps QR-CBC51 50W	6 units
	Adjustable Downlight QR-CBC51 50W	15 units
	Fixed Downlight TC-TEL 42W	8 units

Total power consumption: 2,236W

Lighting plan

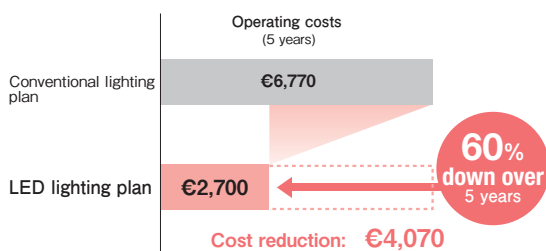


Light distribution of typical LED fixtures

	R-12 23W Adjustable Downlight	18 units
	R-7 14W GYRO with two lamps	6 units
	R-7 14W Adjustable Downlight	15 units
	R-12 23W Fixed Downlight	8 units

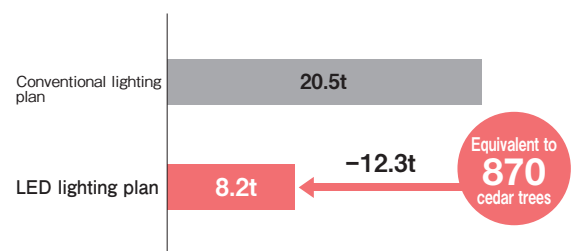
Total power consumption: 892W

## Comparison of cost simulations



\*Conditions: 12 business hours/day, 360 business days/yr. Power cost: €0.14/kWh (Excludes basic rate.)  
\*Comparison applies only to the fixtures indicated above.

## Reduction in CO<sub>2</sub> Emissions



\*Conditions: 12 business hours/day, 360 business days/yr. CO<sub>2</sub> emissions: 0.425 kg/kWh, calculated over 5 years  
\*Annual CO<sub>2</sub> absorption by cedar trees: Approx. 7.8 tonnes (assuming 550 trees/ha)  
\*Comparison applies only to the fixtures indicated above.