Description	50W MR16 HALOGEN	SLC LED 3W MR16	REALITY SAVINGS
Watts per light	50	3	47
Light Fixture Quantity	1	1	0
Total watts hours used per day	700	42	658
Total kilowatts per year used	256	15	240
Megawatts per year	0.26	0.02	0.24
Monthly Commercial Cost per kilowatt hour	$2.98	$0.18	$3
Annual Commercial Cost per kilowatt hour	$35.77	$2.15	$34

Cost Analysis over 20 years in Dollar Value	50W MR16 HALOGEN	SLC LED 3W MR16	Annual Savings Progressive
Year 1	$36	$2	$34
Year 5	$179	$11	$168
Year 10	$358	$21	$336
Year 15	$537	$32	$504
Year 20	$715	$43	$672

Energy Analysis over 20 years in Megawatts	50W MR16 HALOGEN	SLC LED 3W MR16	Megawatt Saving Progressive

Year 1	0.26	0.02	0.24
Year 5	1.28	0.08	1.2
Year 10	2.56	0.15	2.4
Year 15	3.83	0.23	3.6
Year 20	5.11	0.31	4.8

CO2 Emissions/Year@1.1TONS/Megawatt

CO2 Emissions Analysis in Tons	50W MR16 HALOGEN	SLC LED 3W MR16	Savings in CO2 TONS
Year 1	0.28	0.02	0.26
Year 5	1.41	0.08	1.32
Year 10	2.81	0.17	2.64
Year 15	4.22	0.25	3.96
Year 20	5.62	0.34	5.28

Other savings from utilising the SLC LED 3W MR16 include:

Shock proof and can be 99% recycled.

Higher light output with up to 94% less power use. 800 lux@1m - Cool White 6000K (Daylight is 5800K).

Colour range - Cool White and Warm White available, and other colour options. (See Kelvin colour range chart to the left)

Compared to 1 x 50W MR16 HALOGEN, the following annual savings could be achieved by utilising our SLC LED technology, (1 x SP LED 3W MR16 @.14c/kw @ 14hrs/day).

CO2 Emissions savings - 0.26 tons/year; (1 mature tree would be needed to compensate the environment with this amount of CO2 emissions - just from one 50W MR16 Halogen light).

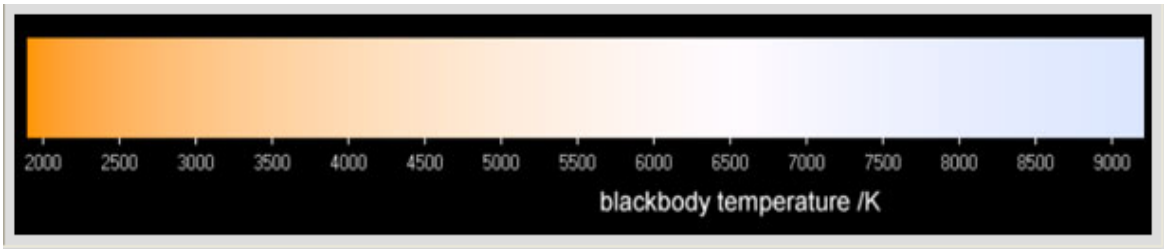
Bulb life of up to twenty (20) times longer than 50W MR16 HALOGEN - saving costly labour and outlay of HALOGEN bulb replacements.

Power savings of up to $34/year.

Economical replacement cost. (Payback time approximately 14 months from power cost saving excluding rebate). Low heat output reducing airconditioning power costs by up to 10%.

Higher light output with up to 94% less power use. 800 lux@1m - Cool White 6000K (Daylight is 5800K).

Power load reduction on the existing transformers, reducing power, heat, and making the system more stable. ie: SLC LED 3W MR16 will not tend to trip out the transformers, which turn off when overheated by 50W MR16 HALOGENS. (New light fittings can use a much smaller transformer saving more power and initial set up costs)



This chart shows the full range of white from its warmer incandescent region of 2800 K as it escalates upwards to the bluish white region of 9000K. 6500 K is considered the sweet spot of "regular" white which has become the de facto standard of LED white light.