











Phase out of inefficient lamps

	GENERAL LIGHTS						DIRECTIONAL LIGHTS			
	Phased Out	To be phased out	Available now				To be phased out		Available now	
	Incandescent Globe (>140 V)	Halogen Globe (>140 V)	CFL Spiral Globe	LED Globe Base level ¹	LED Globe High performer	LED Globe Highest performer	Incandescent Directional Lamp Mains Voltage (>140 V ² e.g. R80)	Halogen Directional lamp (>140 V ² e.g. GU10 240V)	LED Directional Lamp (mains voltage, e.g. R80 240V)	LED Directional lamp (GU10 240V)
										
Lumens ³	685	700	740	800	800	800	650	330	880	380
Watts	60	42	12	8.8	5.5	3.8	100	50	10	5
Lumens per watt	11.4	16.7	61.7	90.7	145.0	210.0	6.5	6.6	88	76.0
Lifespan (hr)	1,000	2,000	6,000	15,000	25,000	50,000	1,000	2,000	15,000	15,000
Price per bulb	\$1.00	\$5.00	\$6.50	\$6.00	\$10.00	\$18.00	\$4.25	\$2.25	\$13.95	\$5.00
kWh electricity used over: 15,000 hours (50,000 hours)	900 (3,000)	630 (2,100)	180 (600)	132 (441)	83 (276)	57 (190)	1,500 (5,000)	750 (2,500)	150 (500)	75 (250)
Cost of electricity ⁴ over: 15,000 hours (50,000 hours)	\$333 (\$1,100)	\$233 (\$777)	\$66.60 (\$222)	\$48.84 (\$162.8)	\$30.53 (\$101.75)	\$21.09 (\$70.30)	\$555.00 (\$1,850.00)	\$277.50 (\$925)	\$55.50 (\$185.00)	\$27.75 (\$92.50)
Bulbs needed for: 15,000 hours (50,000 hours)	15 (50)	8 (25)	2 (7)	1 (4)	1 (2)	1 (1)	15 (50)	8 (25)	1 (4)	1 (4)
Cost of required bulbs needed over: 15,000 hours (50,000 hours)	\$15.00 (\$50.00)	\$40.00 (\$125.00)	\$13.00 (\$45.50)	\$6.00 (\$24.00)	\$10.00 (\$20.00)	\$18.00 (\$18.00)	\$63.75 (\$212.50)	\$18.00 (\$56.25)	\$13.95 (\$55.80)	\$5.00 (\$20.00)
Total cost over 15,000 hours	\$348	\$273	\$86.10	\$54.84	\$40.83	\$39.09	\$618.75	\$295.50	\$69.45	\$32.75
Total cost over 50,000 hours	\$1,160	\$902	\$280.50	\$186.80	\$121.75	\$88.30	\$2,062.50	\$981.25	\$240.80	\$112.50

1

Aligned with EU Ecodesign Lighting Minimum Energy Performance Standard

2

Low voltage incandescent lamps will not be phased out. 11-13 V halogens with caps G4, GY6.35, GU4, GZ4, GU5.3, GX5.3 or G53 will need to registered and comply with requirements specified in the incandescent determination.

3

For same average lumens over life

4

Energy tariff used for calculations is \$0.37 kWh