

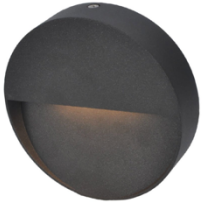








Appendix F: Lighting available at lighting retailers




Lights available in New Zealand that comply with Dark Sky Reserve proposed plan change standard 21.1.11(a)(ii, iii and iv)

RETAILER	LIGHT	LUMENS	COLOUR TEMPERATURE (KELVIN)	MOTION DETECTOR + TIMER	SHIELD OR TILT	PRICE	READILY AVAILABLE
Mitre10	 <p>Orbit Lighting LED Spotlight W: 230mm, H: 54mm Black</p>	600	3000 K	no	Shield and tilt	\$69.98	In stock at multiple outlets
Lighting Plus Masterton	 <p>Varde 6w AC LED Exterior Spotlight - Black</p>	380	3000 K	no	both	\$45-60	In stock at multiple outlets

RETAILER	LIGHT	LUMENS	COLOUR TEMPERATURE (KELVIN)	MOTION DETECTOR + TIMER	SHIELD OR TILT	PRICE	READILY AVAILABLE
Lighting Plus Masterton	 <p>Ojo LED Exterior Wall Light - Graphite</p>	45	3000 K	no	Shield, down light	\$48.30-69	In stock at multiple outlets
Lightplan	 <p>CREO.90 Recessed low glare LED downlight with 50° beam angle</p>	850	3000 K	no	Shield, down light	\$85	Available
Lightplan	 <p>Eva IP65 Exterior rated surface mounted low-glare 9W LED</p>	1050	3000 K	no	Shield, down light	\$249	Available

RETAILER	LIGHT	LUMENS	COLOUR TEMPERATURE (KELVIN)	MOTION DETECTOR + TIMER	SHIELD OR TILT	PRICE	READILY AVAILABLE
	downlight with 38° beam angle.						
Lightplan	 <p>Myra Security Light Adjustable exterior wall mounted twin spotlight with integrated security sensor</p>	560	3000 K	yes	Tilt, spotlight	\$279	Available
Lightplan	 <p>Senter Integrated, in-direct LED exterior bollard made with high quality die-cast</p>	805	3000 K	no	Shield	\$259	Available

RETAILER	LIGHT	LUMENS	COLOUR TEMPERATURE (KELVIN)	MOTION DETECTOR + TIMER	SHIELD OR TILT	PRICE	READILY AVAILABLE
	aluminium components. When lit, the light bounces off the two angled sides and creates a glow of light all around the base of the fitting.						
Lightplan	 <p>Zado Pole Light Integrated 5W LED garden spike light with 355° tilt.</p>	550	3000 K	no	Tilt spotlight	\$199	Available
Lightplan	 <p>Solar CCT Black Surface mounted LED ceiling button with 120° beam angle, available in 2 sizes</p>	1360 - 2040	3000 K	no	Downlight, ceiling	\$65-99	Available

RETAILER	LIGHT	LUMENS	COLOUR TEMPERATURE (KELVIN)	MOTION DETECTOR + TIMER	SHIELD OR TILT	PRICE	READILY AVAILABLE
Lightplan	 <p>Lunar R Exterior recessed inground uplight complete with plastic niche for concrete</p>	480	3000 K	no	Uplight	\$99.00 (not including lamp or landscape transformer. One transformer would typically run several fittings.)	Available
Mitre10	 <p>Orbit Lighting Security Light LED Twin 6 Watt Black</p>	320	5000 K	yes	both	\$74.98	In stock at multiple outlets
Mitre10	 <p>Vectral Solar Twin Security Light 60mm Black</p>	400	?	yes	both	\$64	Low stock