

# NATIONAL ELECTRICITY MARKET LOAD TABLES FOR UNMETERED CONNECTION POINTS

PREPARED BY: Markets  
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## Version Release History

VERSION	DATE	BY	CHANGES
1.30	22/09/2010	M&GMP	Cosmopolis Metal Halide (NSW), and Active Reactor HPS 250W (Vic)
1.31	24/01/2011	M&GMP	Active Reactor 150W HPS (Vic)
1.32	22/02/2011	M&GMP	NSW RTA Safety Cameras
1.33	4/8/2011	M&GMP	Orange Tek TerraLED 48 (NSW)
1.34	6/9/2011	M&GMP	Active Reactor 150W MH and 400W HPS (Vic)
1.35	7/3/2012	M&GMP	NSW RTA Safety Camera Security System and Safety Camera Tirtl System (NSW)
1.36	9/5/2012	M&GMP	Sylvania 25W LED Street Light Module (NSW)
1.37	13/8/2012	RM&M	GE R250 158W and 237W LED Luminaires (NSW) Active Reactor 250W MH (Vic) Advanced Lighting Technologies (13) LED Luminaires (Qld)
1.38	30/11/12	RM&M	GE R250 30W LED (NSW) Pecan Lighting (4) LED Luminaires (SA) Toshiba Urban Light 32W LED (NSW)
1.39	1/2/13	RM&M	Advanced Lighting Technologies 60W LED Luminaire (Qld) LED Innovations Cooper Navion (8) LED Luminaires (NSW)
1.40	9/4/13	RM&M	Advanced Lighting Technologies BetaLED 45W and 70W Edge LED luminaires (SA) Pecan Lighting SAT 96M 176W LED luminaire (SA) Sylvania Lighting Australia 70W MH Internal Ignitor Luminaire (NSW)
1.50	4/7/13	RM&M	GE R250 98W LED Luminaire (NSW) Jasstech ConvoLuxe SPM-40 LED (NSW)
1.51	5/9/13	RM&M	GE R250 39W LED (NSW) WE-EF Lighting ASP 45 LED (Vic) Aldridge ALS 162 LED (SA)
1.52	4/10/13	RM&M	Pecan Lighting SAT 48S 72W LED luminaire (SA) Advanced Lighting Technologies BetaLED Ledway 69W (Qld) Advanced Lighting Technologies BetaLED Edge 88W (SA)
1.53	17/10/13	RM&M	Lightsense Apollo RL2R 30W LED (Vic)
1.54	21/11/13	RM&M	Eye Lighting (4) luminaires (Qld)
1.55	16/1/14	RM&M	Sylvania Lighting Australasia Eco 18 LED (NSW)
1.56	6/2/14	RM&M	A1 Insights (6) luminaires (SA) NSW RMS load value revisions, addition of new devices and deletion of devices no longer in service (NSW)
1.57	27/3/14	RM&M	Austenkis (2) luminaires (NSW)
1.58	17/3/14	RM&M	Lightsense (3) luminaires (NSW) WE-EF (2) luminaires (Qld)
1.59	1/5/14	RM&M	GE Duna 63W and 88W luminaires (NSW)
1.60	12/6/14	RM&M	Pierlite Greenstreet 26W Luminaire (NSW)
1.61	18/7/14	RM&M	Addition of Tasmanian Public Lighting Load Table Sylvania Lighting Australasia SL 10 MIDI 89W LED (NSW)
1.62	31/7/14	RM&M	Versalux Saturn 30A and 30P 46W LED (SA)
1.63	11/9/14	RM&M	GE Wall Pack 43W and 67W, Pole Top 49W and 86W LED (NSW)

1.64	25/9/14	RM&M	Nikkon Lighting AUS 419 EA 25W and EK 30W LED (NSW) SA DTPI addition of new devices and deletion of devices no longer in service (SA)
1.65	16/10/14	RM&M	Nikkon Lighting (4) luminaires (NSW) We-ef 12 LED 24W/700mA Luminaire (Qld)
1.66	20/11/14	RM&M	Pecan Lighting (3) Luminaires (SA)
1.67	11/12/14	RM&M	Lamptech (2) Luminaires (SA) Eo Lighting (4) Luminaires (NSW)
1.68	05/02/15	RM&M	Versalux StarLED 32LED and 64LED (Vic) GE Evolve P4P5 25W LED luminaires (4) (NSW)
1.69	2/4/2015	RM&M	Eye Lighting LEDioc Street 40VA LED (NSW)
1.70	16/4/2015	Markets	Pecan Lighting (7) LED Luminaires (SA) NSW RMS Dimmed Traffic Signal Load Values
1.71	14/5/2015	Markets	Thorn Lighting Gladiator 2000 LED 26W (SA) GE Spinella Roadway 43W, 91W, 131W and 230W LED (NSW)
1.72	25/6/2015	Markets	Advanced Lighting Technologies XSP LED 25W (NSW) Efficient Lighting Systems Ligman PO29-GP020 LED 20W (Vic)
1.73	9/7/2015	Markets	Ironbark Sustainability Pierlite World Endurance 150W Induction (Vic)
1.74	17/9/2015	Markets	Vicpole Toorak 16 LED Luminaire 21W (Vic)
1.75	29/10/2015	Markets	Gerard Lighting (13) LED Luminaires (Vic, Qld, SA) We-ef 48LED 96W Luminaire (Qld)
1.76	17/12/2015	Markets	Artcraft Urban (2) LED Luminaires (Vic) Aldridge Traffic Systems (3) LED Luminaires (Vic) Pecan Lighting (2) LED Luminaires (SA)
1.77	21/1/2016	Markets	Gerard Lighting Sylvania Clip 95W LED (Qld)
1.78	5/5/2016	Markets	LED4Life Cornea (8) LED Luminaires (SA)
1.79	2/6/2016	Markets	Pecan Lighting (2) LED Luminaires (NSW and SA)
1.80	21/7/2016	Markets	Gerard Lighting (2) LED Luminaires (SA)
1.81	25/8/2016	Markets	We-Ef (2) LED Luminaires (SA) Aldridge Traffic Systems PLED P2430 LED Luminaire (Vic) Hamilton Lighting Systems AUS XHYP3 LED Luminaire (Qld) HBW Lighting (4) LED Luminaires (Qld) OrangeTek (3) LED Luminaires (NSW) Pecan Lighting NXT 12C 850 LED Luminaire (NSW) HUB Street Equipment HUB Nova 14 LED Luminaire (NSW)
1.82	29/9/2016	Markets	GE Lighting (4) LED Luminaires (Vic) Nikkon Lighting (3) LED Luminaires (Vic) OrangeTek (2) LED Luminaires (Qld) NSW RMS CBD Evacuation System Components (NSW)
1.83	3/11/2016	Markets	GE Lighting Evolve P4P5 20W (NSW) Philips Lighting(2) LED Luminaires (NSW) Artcraft Urban (3) LED Luminaires (SA) Gerard Lighting RoadLED 275W (Vic) OrangeTek (3) LED Luminaires (NSW) Streetworx OzLite LED23 (Vic)
1.84	2/2/2017	Markets	Zumtobel Bega 9596s LED Luminaire (Qld) Gerard Lighting RoadLED 70W LED Luminaire (Vic)
1.85	30/3/2017	Markets	HBW Lighting

			LED4Life luminaires re-branded Luxmann Revised NSW Traffic Signals Device ID from 258/0 to 260/0
1.86	18/5/2017	Markets	Add ACT street lighting

## 1 Executive Summary

AEMO is required to publish Load Tables from various jurisdictions under clause 14.2.4(c) of the Metrology Procedure: Part B Metering Data Validation, Substitution and Estimation Procedure for Metering Types 1 – 7. This National Electricity Market Load Tables For Unmetered Connection Points (NEM Load Tables) document is a compilation of Load Tables from four jurisdictions consolidated into a single document.

## 2 Introduction

A “type 7 Metering Installation” is a methodology for the calculation of energy volumes at unmetered connection points. The methodology is described within the Metrology Procedure: Part B Metering Data Validation, Substitution and Estimation Procedure for Metering Types 1 – 7, and relies on knowledge of the energy consumption of each type of device load at an unmetered connection point. The agreed load of each unmetered device is recorded in NEM Load Tables.

NEM Load Tables contain load values for each type 7 device that has been classified as a market unmetered load. These load values can then be utilised as a reference to calculate interval metering data, required for billing purposes, for the corresponding unmetered connection points. The load values are obtained from load and power consumption tests and are agreed by AEMO, responsible persons, Registered Participants and other relevant parties.

NEM Load Tables must be updated whenever a new unmetered device, that meets the requirements for an unmetered market load, comes into use. The Load Tables contained in this document originated from the Load Tables published by the regulators in New South Wales, South Australia, Victoria, Queensland, Tasmania and ACT.

## 3 Load Tables for Unmetered Connection Points

There are two main types of unmetered connection points that are classified as market loads; street lighting (also referred to as public lighting) and traffic signals. New South Wales, South Australia, Victoria, Queensland, Tasmania and ACT have all produced Load Tables for devices used in street lighting in their respective jurisdictions. Only New South Wales and South Australia have published Load Tables for traffic signals in their respective jurisdictions. These jurisdictional Load Tables can be found in Appendices A through C.

Load values for specific devices in NEM Load Tables are not necessarily uniform across jurisdictions as different parties are involved in the production of each table and testing conditions may not be identical. However, there are many similarities. The relevant governing and regulatory bodies in each jurisdiction have approved, confirmed or verified the values used in their respective Load Tables.

All load values published from September 2007 onwards are agreed for use in all NEM jurisdictions. Load values shown in bold indicate the jurisdiction in which the unmetered device submission was made.

## 4 Process for Amendment of NEM Load Tables

The process for amendment of NEM Load Tables is described in clause 14.2.4 of the Metrology Procedure: Part B Metering Data Validation, Substitution and Estimation Procedure for Metering Types 1 – 7 and the Unmetered Load Guideline.

Publication of the unmetered device load value in the NEM Load Tables is not an approval to use the unmetered device and does not replace any obligation for an interested party, proposing to add an unmetered device to the NEM Load Tables, to obtain appropriate approvals related to performance acceptance and acceptance of use for the unmetered device from Approval Authorities.

## 5 References

Metrology Procedure: Part B Metering Data Validation, Substitution and Estimation Procedure for Metering Types 1 – 7

<http://www.aemo.com.au/Electricity/National-Electricity-Market-NEM/-/media/E9E2803E07204686BBDA1D9A8F52DF3D.ashx>

Unmetered Load Guideline – Determination of Device Load and Annual Energy Consumption for Unmetered Device Types

<http://www.aemo.com.au/Electricity/National-Electricity-Market-NEM/-/media/4C61F5DABED541ECB957E6676E045E45.ashx>

## Appendix A: Public Lighting Load Table

DEVICE TYPE	NOMINAL DEVICE RATING (W)	NSW	QLD		SA		VIC	TAS	ACT
		LOAD (W)	CODE	LOAD (W)	CODE	LOAD (W)	LOAD (W)	LOAD (W)	LOAD (W)
Mercury Vapour									
	50	65.0	M50	61.7	M50	65	65	65	65.0
	70		M70	85.2	M70	81.5			
	80	95.8	M80	92.4	M80	95.8	95.8	95.8	95.8
	2x80	191.6							191.6
	3x80	287.4							287.4
	4x80	383.2							383.2
	6x80	574.8							574.8
	7x80	670.6							670.6
	100		M100	111.9	M100	111.5			
	120		M120	133.6					
	125	142.0	M125	139.2	M125	142	142	142	142.0
	2x125	284.0							284.0
	3x125	426.0			M125x3	426			426.0
	6x125	852.0							852.0
	150		M150	164.8					
	160	175.0							175.0
	2x160	350.0							350.0
	3x160	525.0							525.0
	6x160	1050.0							1050.0
	9x160	1575.0							1575.0
	175	195.0	M175	192.6					195.0
	2x175	390.0							390.0
	250	270.0	M250	273.3	M250	270	270	270	270.0
	2x250	540.0							540.0
	3x250	810.0							810.0
	400	430.0	M400	431	M400	430	430	430	430.0
	2x400	860.0			M400x2	860			860.0
	3x400	1290.0							1290.0
	500	530.0	M500	530					530.0
	700	740.0	M700	733.5			740		740.0



DEVICE TYPE	NOMINAL DEVICE RATING (W)	NSW	QLD		SA		VIC	TAS	ACT
		LOAD (W)	CODE	LOAD (W)	CODE	LOAD (W)	LOAD (W)	LOAD (W)	LOAD (W)
	750		M750	786	M750	779.7			
	2x700	1480.0							1480.0
	800	850.0							850.0
	1000	1040.0	M1000	1060	M1000	1040			1040.0
	4x1000	4160.0							4160.0
	6x1000	6240.0							6240.0
	1625	1690.0							1690.0
High Pressure Sodium									
	35		S35	44					
	50	60.0	S50	62.5	S50	60			60.0
	60		S60	74					
	70	86.0	S70	85.2	S70	86	86	86	86.0
	2x70	172.0							172.0
	3x70	258.0							258.0
	4x70	344.0							344.0
	8x70	688.0							688.0
	80		S80	97					
	100	120.0	S100	116.6	S100	120	120	120	120.0
	120	144.0	S120	144					144.0
	125		S125	150					
	150	173.0	S150	168.5	S150	173	173	173	173.0
Active Reactor 150W HPS (January 2011) <sup>4</sup>	150	130		130		130	<b>130</b>	130	130
	160		S160	180					
	220	245.0	S220	245					245.0
	250	273.0	S250	273	S250	273	273	273	273.0
Active Reactor 250W HPS (September 2010) <sup>4</sup>	250	199		199		199	<b>199</b>	199	199
	2 x 250	546.0							546.0
	4x250	1092.0							1092.0
	310 (Retrofit)	350.0	S310	350					350.0
	2x310	700.0							700.0
	360	396.0	S360	396	S360	396			396.0

DEVICE TYPE	NOMINAL DEVICE RATING (W)	NSW	QLD		SA		VIC	TAS	ACT
		LOAD (W)	CODE	LOAD (W)	CODE	LOAD (W)	LOAD (W)	LOAD (W)	LOAD (W)
	400	440.0	S400	436.5	S400	440	440	440	440.0
Active Reactor 400W HPS (September 2011) <sup>4</sup>	400	326.0		326.0		326.0	<b>326.0</b>	326.0	326.0
	2 x 400	880.0	S2x400	873					880.0
	3x400	1320.0							1320.0
	4x400	1760.0							1760.0
	600 (Internal Ignitor)	650.0							650.0
	2x600	1300.0							1300.0
	4x600	2600.0							2600.0
	6x600	3900.0							3900.0
	800		S800	873					
	1000	1064.0	S1000	1055					1064.0
	4x1000	4256.0							4256.0
Low Pressure Sodium									
	18		L18	29	L18	29			
	35		L35	60					
	26				L26	35.5			
	55		L55	80	L55	80			
	60		L60	87					
	90		L90	120	L90	115			
	125		L125	157					
	135		L135	170	L135	170			
	140		L140	176					
Metal Halide (Reactor control gear)									
	35		H35	45					
	70	81.5	H70	85.3	TBD	82	81.5		81.5
	75		H75	85.3					
	100	110.0	H100	115.7	TBD	110			110.0
	150	168.0	H150	168.5			168		168.0
Active Reactor 150W MH (September 2011) <sup>4</sup>	150	143.0		143.0		143.0	<b>143.0</b>	143.0	143.0
	4x150	672.0							672.0

DEVICE TYPE	NOMINAL DEVICE RATING (W)	NSW	QLD		SA		VIC	TAS	ACT
		LOAD (W)	CODE	LOAD (W)	CODE	LOAD (W)	LOAD (W)	LOAD (W)	LOAD (W)
	175	191.0			TBD	191	191		191.0
	250	268.0	H250	273.5	TBD	268	268		268.0
Active Reactor 250W MH (August 2012) <sup>4</sup>	250	225		225		225	<b>225</b>	225	225
	400	425.0	H400	431	TBD	425	425		425.0
	2x400	850.0							850.0
	500	525.0							525.0
	1000	1040.0	H1000	1040			1040		1040.0
	1500	1560.0	H1500	1560	TBD	1560	1560		1560.0
	2000	2070.0							2070.0
	3745	3745.0							3745.0
Metal Halide – CW (Constant Wattage control gear)									
	150	173.0			TBD	173	173	173	173.0
	250	286.0			TBD	286	286	286	286.0
	400	449.0			TBD	449	449	449	449.0
Metal Halide Cosmopolis (September 2010) <sup>1</sup>	45	<b>51.2</b>		51.2		51.2	51.2	51.2	51.2
Metal Halide Cosmopolis (September 2010) <sup>1</sup>	60	<b>67.6</b>		67.6		67.6	67.6	67.6	67.6
Metal Halide Cosmopolis (September 2010) <sup>1</sup>	90	<b>97.0</b>		97.0		97.0	97.0	97.0	97.0
Metal Halide Cosmopolis (September 2010) <sup>1</sup>	140	<b>147.7</b>		147.7		147.7	147.7	147.7	147.7
Metal Halide Sylvania Internal Ignitor (April 2013) <sup>1</sup>	70	<b>88</b>		88		88	88	88	88
Metal Halide Eye Cera Arc (November 2013) <sup>2</sup>	70	87.5		<b>87.5</b>		87.5	87.5	87.5	87.5
Metal Halide Eye Cera Arc (November 2013) <sup>2</sup>	100	113.5		<b>113.5</b>		113.5	113.5	113.5	113.5
Metal Halide Eye Cera Arc (November 2013) <sup>2</sup>	150	164.5		<b>164.5</b>		164.5	164.5	164.5	164.5
Metal Halide Eye Cera Arc (November 2013) <sup>2</sup>	250	270.1		<b>270.1</b>		270.1	270.1	270.1	270.1
Low Pressure Sodium									
	18	29.0							29.0
	35	60.0							60.0
	55	80.0							80.0
	90						115		
	90/100	120.0							120.0
	135	170.0							170.0
	150	186.0					186		186.0
	160	194.0					194		194.0

DEVICE TYPE	NOMINAL DEVICE RATING (W)	NSW	QLD		SA		VIC	TAS	ACT
		LOAD (W)	CODE	LOAD (W)	CODE	LOAD (W)	LOAD (W)	LOAD (W)	LOAD (W)
	180	212.0					212		212.0
	310	340.0							340.0
Fluorescent									
	7		F7	12.8					
	9	9.0	F9	13.9					9.0
	11	11.0	F11	15.7					11.0
	3x11		F3x11	49.5					
	13	13.0	F13	17.5					13.0
	2x8				F8x2	22.5			
	2 x 14	30.2	F2x14	35.6	F14x2E	29.7			30.2
	3x14		F3x14	53.4					
	4x14		F4x14	71.2					
	6x14		F6x14	106.8					
	15	15.0							15.0
	18		F18	28.6					
	18		F1x20	28.6					
	2 x 18	45.9	F2x18	43.8					45.9
	2x18		F2x20	43.8					
	3x18		F3x18	72.4					
	3x18		F3x20	72.4					
	4x18		F4x18	87.6					
	4x18		F4x20	87.6					
	20	29.0			F20	29	29	29	29.0
	Twin 20	50.0			F20x2	58	50	50	50.0
	3 x 20	77.0					77		77.0
	4x20	100.0			F20x4	100		100	100.0
	6x20	150.0							150.0
	2 x 24	47.0							47.0
	25		F25	32.8					
	26	32.0	F26/	34.1					32.0
	26		F1x30	34.1					
	2x26	64.0							64.0

DEVICE TYPE	NOMINAL DEVICE RATING (W)	NSW	QLD		SA		VIC	TAS	ACT
		LOAD (W)	CODE	LOAD (W)	CODE	LOAD (W)	LOAD (W)	LOAD (W)	LOAD (W)
	4x36		F4x36	184					
	4x36		F4x40	184					
	6x36	192.0							192.0
	32		F32	36.5					
	36		F36	46					
	36		F1x40	46					
	2x36		F2x36	92					
	2x36		F2x40	92					
	3x36		F3x36	138					
	3x36		F3x40	138					
	40	50.0	F40	49.5	F40	50	50	50	50.0
	2 x 40	100.0			F40x2	100		100	100.0
	3 x 40	150.0						150	150.0
	4 x 40	200.0			F40x4	200		200	200.0
	6 x 40	300.0							300.0
	42		F42	56					
	48		F48	58.8					
	58	72.0	F58	71					72.0
	2 x 58	144.0	F2x58	142					144.0
	4 x 58	288.0							288.0
	5 x 58	360.0							360.0
	65	81.0							81.0
	2x65		F2x65	168.7					
	5x65	405.0							405.0
	80	90.0					90	90	90.0
	2 x 80	180.0							180.0
	3 x 80	270.0	F3x80	270					270.0
	4x80	360.0							360.0
	5x80	450.0							450.0
	6x80	540.0							540.0
	2x125	280.0							280.0
	176	200.0							200.0

DEVICE TYPE	NOMINAL DEVICE RATING (W)	NSW	QLD		SA		VIC	TAS	ACT
		LOAD (W)	CODE	LOAD (W)	CODE	LOAD (W)	LOAD (W)	LOAD (W)	LOAD (W)
	236	275.0							275.0
Compact Fluorescent									
CFL 57W (September 2007) <sup>1</sup>	57	<b>60.3</b>		60.3		60.3	60.3	60.3	60.3
CFL 42W (September 2007) <sup>1</sup>	42	<b>46.4</b>	C1x42	46.4		46.4	46.4	46.4	46.4
CFL 32W (September 2007) <sup>1</sup>	32	<b>36.6</b>	C1x32	36.6		36.6	36.6	36.6	36.6
CFL 26W (September 2007) <sup>1</sup>	26	<b>28.6</b>	C1x26	28.6		28.6	28.6	28.6	28.6
	2x14		C2x14	29					
Twin 14W T5 (September 2007) <sup>4</sup>	2 x 14	30.5				30.5	<b>30.5</b>	30.5	30.5
	2x24		C2x24	49					
Twin 24W T5 (April 2008) <sup>4</sup>	2 x 24	47				47	<b>47</b>	47	47
Incandescent (Includes Quartz Iodine, Quartz Halogen, Tungsten Halogen Lamps)									
	25		I25	25					
	30	30.0							30.0
	40	40.0	I40	40					40.0
	60	60.0	I60	60	Not in use			60	60.0
	75	75.0	I75	75					75.0
	100	100.0	I100	100	Not in use		100	100	100.0
	3x100	300.0							300.0
	125		I125	125					
	130	130.0							130.0
	150	150.0	I150	150	Not in use		150		150.0
	200	200.0	I200	200			200		200.0
	300	300.0	I300	300	Not in use		300		300.0
	400		I400	400					
	500	500.0			Not in use		500		500.0
	750	750.0			Not in use		750		750.0
	800	800.0							800.0
	1000	1000.0			Not in use		1000		1000.0
	1440	1440.0							1440.0
	1500	1500.0			Not in use		1500		1500.0
	2880	2880.0							2880.0
LED									

DEVICE TYPE	NOMINAL DEVICE RATING (W)	NSW	QLD		SA		VIC	TAS	ACT
		LOAD (W)	CODE	LOAD (W)	CODE	LOAD (W)	LOAD (W)	LOAD (W)	LOAD (W)
Orange Tek TerraLED 48 (August 2011) <sup>1</sup>	49	<b>50.2</b>		50.2		50.2	50.2	50.2	50.2
Sylvania 25W LED (May 2012) <sup>1</sup>	25	<b>29</b>		29		29	29	29	29
GE R250 158W LED (August 2012) <sup>1</sup>	158	<b>158</b>		158		158	158	158	158
GE R250 237W LED (August 2012) <sup>1</sup>	237	<b>237</b>		237		237	237	237	237
GE R250 30W LED (November 2012) <sup>1</sup>	30	<b>30</b>		30		30	30	30	30
Toshiba Urban Light 32W LED (November 2012) <sup>1</sup>	32	<b>30.9</b>		30.9		30.9	30.9	30.9	30.9
Cooper Navion 17W LED (February 2013) <sup>1</sup>	17	<b>17</b>		17		17	17	17	17
Cooper Navion 22W LED (February 2013) <sup>1</sup>	22	<b>22</b>		22		22	22	22	22
Cooper Navion 26W LED (February 2013) <sup>1</sup>	26	<b>26</b>		26		26	26	26	26
Cooper Navion 51W LED (February 2013) <sup>1</sup>	51	<b>51</b>		51		51	51	51	51
Cooper Navion 103W LED (February 2013) <sup>1</sup>	103	<b>103</b>		103		103	103	103	103
Cooper Navion 154W LED (February 2013) <sup>1</sup>	154	<b>154</b>		154		154	154	154	154
Cooper Navion 206W LED (February 2013) <sup>1</sup>	206	<b>206</b>		206		206	206	206	206
Cooper Navion 309W LED (February 2013) <sup>1</sup>	309	<b>309</b>		309		309	309	309	309
(Pecan) LDL SAT 96M 86W LED (November 2012) <sup>3</sup>	86	86		86		<b>86</b>	86	86	86
(Pecan) LDL SAT 96M 200W LED (November 2012) <sup>3</sup>	200	200		200		<b>200</b>	200	200	200
(Pecan) LDL SAT 48S 44W LED (November 2012) <sup>3</sup>	44	44		44		<b>44</b>	44	44	44
(Pecan) LDL SAT 48S 55W LED (November 2012) <sup>3</sup>	55	55		55		<b>55</b>	55	55	55
Pecan SAT 96M 178W LED (April 2013) <sup>3</sup>	176	176		176		<b>176</b>	176	176	176
Advanced Lighting Technologies BetaLED Edge 40 LED D350P (April 2013) <sup>3</sup>	46	45.6		45.6		<b>45.6</b>	45.6	45.6	45.6
Advanced Lighting Technologies BetaLED Edge 40 LED D525P (April 2013) <sup>3</sup>	70	70.2		70.2		<b>70.2</b>	70.2	70.2	70.2
Advanced Lighting Technologies BetaLED Ledway 20 LED D350 (August 2012) <sup>2</sup>	26	26		<b>26</b>		26	26	26	26
Advanced Lighting Technologies BetaLED Ledway 20 LED D700 (August 2012) <sup>2</sup>	49	48.7		<b>48.7</b>		48.7	48.7	48.7	48.7
Advanced Lighting Technologies BetaLED Ledway 40 LED D350 (August 2012) <sup>2</sup>	47	47		<b>47</b>		47	47	47	47
Advanced Lighting Technologies BetaLED Ledway 80 LED D525 (August 2012) <sup>2</sup>	143	143		<b>143</b>		143	143	143	143
Advanced Lighting Technologies BetaLED Ledway 120 LED D700 (August 2012) <sup>2</sup>	281	281		<b>281</b>		281	281	281	281

DEVICE TYPE	NOMINAL DEVICE RATING (W)	NSW	QLD		SA		VIC	TAS	ACT
		LOAD (W)	CODE	LOAD (W)	CODE	LOAD (W)	LOAD (W)	LOAD (W)	LOAD (W)
Advanced Lighting Technologies BetaLED Ledway 20 LED D350R (August 2012) <sup>2</sup>	24	24.3		<b>24.3</b>		24.3	24.3	24.3	24.3
Advanced Lighting Technologies BetaLED Ledway 40 LED D350R (August 2012) <sup>2</sup>	46	46.3		<b>46.3</b>		46.3	46.3	46.3	46.3
Advanced Lighting Technologies BetaLED Ledway 80 LED D525R (August 2012) <sup>2</sup>	138	137.6		<b>137.6</b>		137.6	137.6	137.6	137.6
Advanced Lighting Technologies BetaLED Ledway 120 LED D525R (August 2012) <sup>2</sup>	196	196.2		<b>196.2</b>		196.2	196.2	196.2	196.2
Advanced Lighting Technologies BetaLED Ledway 120 LED D700R (August 2012) <sup>2</sup>	260	260		<b>260</b>		260	260	260	260
Advanced Lighting Technologies BetaLED Ledway 30 LED C350 (August 2012) <sup>2</sup>	41	40.8		<b>40.8</b>		40.8	40.8	40.8	40.8
Advanced Lighting Technologies BetaLED Ledway 60 LED C350 (August 2012) <sup>2</sup>	73	73.2		<b>73.2</b>		73.2	73.2	73.2	73.2
Advanced Lighting Technologies BetaLED Canopy 60 LED C350 (August 2012) <sup>2</sup>	69	68.6		<b>68.6</b>		68.6	68.6	68.6	68.6
Advanced Lighting Technologies BetaLED Ledway 60 LED D350 (February 2013) <sup>2</sup>	60	60.4		<b>60.4</b>		60.4	60.4	60.4	60.4
Jasstech ConvoLuxe SPM-40 LED (NSW July 2013) <sup>1</sup>	40	<b>40</b>		40		40	40	40	40
GE R250 98W LED (NSW July 2013) <sup>1</sup>	98	<b>98</b>		98		98	98	98	98
GE R250 39W LED (NSW September 2013) <sup>1</sup>	39	<b>41.1</b>		41.1		41.1	41.1	41.1	41.1
WE-EF ASP 45 LED (Vic September 2013) <sup>4</sup>	131.8	131.8		131.8		131.8	<b>131.8</b>	131.8	131.8
Aldridge ALS 162 LED (SA September 2013) <sup>3</sup>	198.9	198.9		198.9		<b>198.9</b>	198.9	198.9	198.9
Pecan SAT 48S 72W LED (SA October 2013) <sup>3</sup>	72	72.8		72.8		<b>72.8</b>	72.8	72.8	72.8
Advanced Lighting Technologies Beta LED Ledway 40 LED D525R (Qld October 2013) <sup>2</sup>	69	69.4		<b>69.4</b>		69.4	69.4	69.4	69.4
Advanced Lighting Technologies Beta LED Edge 40 LED D700 (SA 3 October 2013) <sup>3</sup>	88	88.3		88.3		<b>88.3</b>	88.3	88.3	88.3
Lightsense Apollo RL2R 30W LED (Vic 17 October 2013) <sup>4</sup>	30	34.4		34.4		34.4	<b>34.4</b>	34.4	34.4
Sylvania Eco 18 LED (NSW 16 January 2014) <sup>1</sup>	18	<b>21.9</b>		21.9		21.9	21.9	21.9	21.9
A1 Insights UNISTWF-0009 28W LED (SA February 2014) <sup>3</sup>	28	27.7		27.7		<b>27.7</b>	27.7	27.7	27.7
A1 Insights UNISTWF-0009 35W LED (SA February 2014) <sup>3</sup>	35	33.2		33.2		<b>33.2</b>	33.2	33.2	33.2
A1 Insights UNISTWF-0008 70W LED (SA February 2014) <sup>3</sup>	70	65.7		65.7		<b>65.7</b>	65.7	65.7	65.7
A1 Insights UNISTAA-02-01 150W LED (SA February 2014) <sup>3</sup>	150	145.4		145.4		<b>145.4</b>	145.4	145.4	145.4



DEVICE TYPE	NOMINAL DEVICE RATING (W)	NSW	QLD		SA		VIC	TAS	ACT
		LOAD (W)	CODE	LOAD (W)	CODE	LOAD (W)	LOAD (W)	LOAD (W)	LOAD (W)
A1 Insights UNISTAA-03-01 200W LED (SA February 2014) <sup>3</sup>	200	178.1		178.1		<b>178.1</b>	178.1	178.1	178.1
A1 Insights UNISTAA-04-01 240W LED (SA February 2014) <sup>3</sup>	240	222.6		222.6		<b>222.6</b>	222.6	222.6	222.6
Austeknis Kaga LEDeema KLE-126-11L (NSW March 2014) <sup>1</sup>	11	<b>17.0</b>		17.0		17.0	17.0	17.0	17.0
Austeknis Kaga LEDeema KLE-126-19L (NSW March 2014) <sup>1</sup>	19	<b>25.3</b>		25.3		25.3	25.3	25.3	25.3
Lightsense Apollo RL2R 60W LED (NSW April 2014) <sup>1</sup>	60	<b>65.6</b>		65.6		65.6	65.6	65.6	65.6
Lightsense Apollo RL2R 90W LED (NSW April 2014) <sup>1</sup>	90	<b>97.5</b>		97.5		97.5	97.5	97.5	97.5
Lightsense Apollo RL2R 120W LED (NSW April 2014) <sup>1</sup>	120	<b>123.1</b>		123.1		123.1	123.1	123.1	123.1
WE-EF ASP530/PFL240/VFL540/VFL530/FLC141 24 LED 48W/700mA (Qld April 2014) <sup>2</sup> (SA August 2016) <sup>3</sup>	48	55.5		<b>55.5</b>		55.5	55.5	55.5	55.5
WE-EF ASP530/PFL240/VFL540 36 LED 72W/700mA (Qld April 2014) <sup>2</sup>	72	81.2		<b>81.2</b>		81.2	81.2	81.2	81.2
GE Duna 63W LED (NSW May 2014) <sup>1</sup>	63	<b>63</b>		63		63	63	63	63
GE Duna 88W LED (NSW May 2014) <sup>1</sup>	88	<b>88</b>		88		88	88	88	88
Pierlite Greenstreet 26W LED (NSW June 2014) <sup>1</sup>	26	<b>26.6</b>		26.6		26.6	26.6	26.6	26.6
Sylvania SL 10 MIDI 89W LED (NSW July 2014) <sup>1</sup>	89	<b>91.8</b>		91.8		91.8	91.8	91.8	91.8
Versalux Saturn 30A 46W LED (SA July 2014) <sup>3</sup>	46	49.2		49.2		<b>49.2</b>	49.2	49.2	49.2
Versalux Saturn 30P 46W LED (SA July 2014) <sup>3</sup>	46	49.2		49.2		<b>49.2</b>	49.2	49.2	49.2
GE Scalable Wall Pack 43W LED (NSW September 2014) <sup>1</sup>	43	<b>42.6</b>		42.6		42.6	42.6	42.6	42.6
GE Scalable Wall Pack 67W LED (NSW September 2014) <sup>1</sup>	67	<b>67.5</b>		67.5		67.5	67.5	67.5	67.5
GE Twin Contemporary Post Top 49W LED (NSW September 2014) <sup>1</sup>	49	<b>47.4</b>		47.4		47.4	47.4	47.4	47.4
GE Twin Contemporary Post Top 86W LED (NSW September 2014) <sup>1</sup>	86	<b>83.4</b>		83.4		83.4	83.4	83.4	83.4
Nikkon AUS419 EA 25W LED (NSW September 2014) <sup>1</sup>	25	<b>29.7</b>		29.7		29.7	29.7	29.7	29.7
Nikkon AUS419 EK 30W LED (NSW September 2014) <sup>1</sup>	30	<b>33.7</b>		33.7		33.7	33.7	33.7	33.7
WE-EF SP530/PFL240/VFL520/VFL530/VFL540/RFL530/FLC131 12 LED 24W/700mA (Qld October 2014) <sup>2</sup> (SA August 2016) <sup>3</sup>	24	28.6		<b>28.6</b>		28.6	28.6	28.6	28.6
Nikkon S433 90W LED (NSW October 2014) <sup>1</sup>	90	94.8		94.8		94.8	94.8	94.8	94.8
Nikkon S433 120W LED (NSW October 2014) <sup>1</sup>	120	126.7		126.7		126.7	126.7	126.7	126.7
Nikkon S436 150W LED (NSW October 2014) <sup>1</sup>	150	154.1		154.1		154.1	154.1	154.1	154.1
Nikkon S436 190W LED (NSW October 2014) <sup>1</sup>	190	204.1		204.1		204.1	204.1	204.1	204.1
Pecan Lighting NXT-72M 78W LED (SA November 2014) <sup>3</sup>	78	79		79		<b>79</b>	79	79	79
Pecan Lighting NXT-72M 117W LED (SA November 2014) <sup>3</sup>	117	117		117		<b>117</b>	117	117	117

DEVICE TYPE	NOMINAL DEVICE RATING (W)	NSW	QLD		SA		VIC	TAS	ACT
		LOAD (W)	CODE	LOAD (W)	CODE	LOAD (W)	LOAD (W)	LOAD (W)	LOAD (W)
Pecan Lighting NXT-72M 158W LED (SA November 2014) <sup>3</sup>	158	159		159		<b>159</b>	159	159	159
Lamptech META MT130 130W LED (SA December 2014) <sup>3</sup>	130	132.6		132.6		<b>132.6</b>	132.6	132.6	132.6
Lamptech META MT150 150W LED (SA December 2014) <sup>3</sup>	150	151.5		151.5		<b>151.5</b>	151.5	151.5	151.5
Eo Lighting Eo-SPL-96 115W LED (NSW December 2014) <sup>1</sup>	115	<b>116</b>		116		116	116	116	116
Eo Lighting Eo-SPL-C60 60W LED (NSW December 2014) <sup>1</sup>	60	<b>63.2</b>		63.2		63.2	63.2	63.2	63.2
Eo Lighting Eo-SPL-C85 85W LED (NSW December 2014) <sup>1</sup>	58	<b>85.3</b>		85.3		85.3	85.3	85.3	85.3
Eo Lighting Eo-SPL-C200 200W LED (NSW December 2014) <sup>1</sup>	200	<b>192</b>		192		192	192	192	192
Versalux StarLED 32LED 70W (Vic February 2015) <sup>4</sup>	70	73.4		73.4		73.4	<b>73.4</b>	73.4	73.4
Versalux StarLED 64LED 140W (Vic February 2015) <sup>4</sup>	140	143.8		143.8		143.8	<b>143.8</b>	143.8	143.8
GE Evolve P4P5 25W LED (NSW February 2015) <sup>1</sup>	25	<b>25</b>		25		25	25	25	25
Eye Lighting LEDioc Street 40VA LED (NSW 2 April 2015) <sup>1</sup>	28	<b>27.7</b>		27.7		27.7	27.7	27.7	27.7
Pecan Lighting NXT12S 525 LED (SA 16 April 2015) <sup>3</sup>	20	22.0		22.0		<b>22.0</b>	22.0	22.0	22.0
Pecan Lighting NXT24S 350 LED (SA 16 April 2015) <sup>3</sup>	27	29.0		29.0		<b>29.0</b>	29.0	29.0	29.0
Pecan Lighting NXT24S 525 LED (SA 16 April 2015) <sup>3</sup>	41	42.0		42.0		<b>42.0</b>	42.0	42.0	42.0
Pecan Lighting NXT24S 700 LED (SA 16 April 2015) <sup>3</sup>	54	55.8		55.8		<b>55.8</b>	55.8	55.8	55.8
Pecan Lighting NXT36S 350 LED (SA 16 April 2015) <sup>3</sup>	42	41.8		41.8		<b>41.8</b>	41.8	41.8	41.8
Pecan Lighting NXT36S 525 LED (SA 16 April 2015) <sup>3</sup>	60	61.3		61.3		<b>61.3</b>	61.3	61.3	61.3
Pecan Lighting NXT36S 700 LED (SA 16 April 2015) <sup>3</sup>	80	80.6		80.6		<b>80.6</b>	80.6	80.6	80.6
Thorn Gladiator 2000 LED 26W (SA May 2015) <sup>3</sup>	26	22.5		22.5		<b>22.5</b>	22.5	22.5	22.5
GE Spinella Roadway 43W LED (NSW May 2015) <sup>1</sup>	43	<b>43.1</b>		43.1		43.1	43.1	43.1	43.1
GE Spinella Roadway 91W LED (NSW May 2015) <sup>1</sup>	91	<b>91.3</b>		91.3		91.3	91.3	91.3	91.3
GE Spinella Roadway 133W LED (NSW May 2015) <sup>1</sup>	131	<b>131.4</b>		131.4		131.4	131.4	131.4	131.4
GE Spinella Roadway 230W LED (NSW May 2015) <sup>1</sup>	230	<b>230.7</b>		230.7		230.7	230.7	230.7	230.7
Advanced Lighting Technologies XSP LED 25W (NSW June 2015) <sup>1</sup>	25	<b>24.1</b>		24.1		24.1	24.1	24.1	24.1
Efficient Lighting Systems PO29-GP020 LED 20W (Vic June 2015) <sup>4</sup>	20	20.8		20.8		20.8	<b>20.8</b>	20.8	20.8
Ironbark Sustainability Pierlite World Endurance 150W Induction (Vic July 2015) <sup>4</sup>	150	159.4		159.4		159.4	<b>159.4</b>	159.4	159.4
Vicpole Toorak 16 LED 21W (Vic September 2015) <sup>4</sup>	21	21		21		21	<b>21</b>	21	21
Gerard Lighting Sylvania StreetLED 37W (Vic October 2015) <sup>4</sup>	37	42		42		42	<b>42</b>	42	42
Gerard Lighting Sylvania Avenue/Urban LED 13W (Qld October 2015) <sup>2</sup>	13	16.4		<b>16.4</b>		16.4	16.4	16.4	16.4
Gerard Lighting Sylvania SL10 MIDI LED 107W (Qld October 2015) <sup>2</sup>	107	107.9		<b>107.9</b>		107.9	107.9	107.9	107.9

DEVICE TYPE	NOMINAL DEVICE RATING (W)	NSW	QLD		SA		VIC	TAS	ACT
		LOAD (W)	CODE	LOAD (W)	CODE	LOAD (W)	LOAD (W)	LOAD (W)	LOAD (W)
Gerard Lighting Sylvania RoadLED 60W (SA October 2015) <sup>3</sup>	60	56.7		56.7		<b>56.7</b>	56.7	56.7	56.7
Gerard Lighting Sylvania RoadLED 80W (SA October 2015) <sup>3</sup>	80	82.2		82.2		<b>82.2</b>	82.2	82.2	82.2
Gerard Lighting Sylvania RoadLED 120W (SA October 2015) <sup>3</sup>	120	120.5		120.5		<b>120.5</b>	120.5	120.5	120.5
Gerard Lighting Sylvania RoadLED 145W (SA October 2015) <sup>3</sup>	145	144.9		144.9		<b>144.9</b>	144.9	144.9	144.9
Gerard Lighting Sylvania RoadLED 155W (SA October 2015) <sup>3</sup>	155	156.6		156.6		<b>156.6</b>	156.6	156.6	156.6
Gerard Lighting Sylvania RoadLED 175W (SA October 2015) <sup>3</sup>	175	174.9		174.9		<b>174.9</b>	174.9	174.9	174.9
Gerard Lighting Sylvania RoadLED 200W (SA October 2015) <sup>3</sup>	200	197.9		197.9		<b>197.9</b>	197.9	197.9	197.9
Gerard Lighting Sylvania RoadLED 250W (SA October 2015) <sup>3</sup>	250	247		247		<b>247</b>	247	247	247
Gerard Lighting Sylvania RoadLED 300W (SA October 2015) <sup>3</sup>	300	309.6		309.6		<b>309.6</b>	309.6	309.6	309.6
Gerard Lighting Sylvania RoadLED 350W (SA October 2015) <sup>3</sup>	350	352.1		352.1		<b>352.1</b>	352.1	352.1	352.1
We-ef PFL240/VFL540/RFL540 48LED 96W (Qld October 2015) <sup>2</sup>	96	108.3		<b>108.3</b>		108.3	108.3	108.3	108.3
Artcraft Urban Genesis 18W, Metro 18 LED (Vic. December 2015, SA November 2016) <sup>4</sup>	18	19.4		19.4		19.4	<b>19.4</b>	19.4	19.4
Artcraft Urban Genesis 25W, Metro 25, Flinders25 LED (Vic. December 2015, SA November 2016) <sup>4</sup>	25	25.7		25.7		25.7	<b>25.7</b>	25.7	25.7
Aldridge ALS24/20 23W LED (Vic. December 2015) <sup>4</sup>	23	23		23		23	<b>23</b>	23	23
Aldridge ALS105/108 105W LED (Vic. December 2015) <sup>4</sup>	105	100.3		100.3		100.3	<b>100.3</b>	100.3	100.3
Aldridge ALS216/298 298W LED (Vic. December 2015) <sup>4</sup>	298	293.3		293.3		293.3	<b>293.3</b>	293.3	293.3
Pecan Lighting NXT12C 700 LED (SA December 2015) <sup>3</sup>	27	29		29		<b>29</b>	29	29	29
Pecan Lighting NXT48M 350 LED (SA December 2015) <sup>3</sup>	53	55		55		<b>55</b>	55	55	55
Gerard Lighting Sylvania Clip 95W LED (Qld January 2016) <sup>2</sup>	95	92.8		<b>92.8</b>		92.8	92.8	92.8	92.8
Luxmann (formerly LED4Life) Cornea L4L CO65 24C LED (SA May 2016) <sup>3</sup>	24	23.1		23.1		<b>23.1</b>	23.1	23.1	23.1
Luxmann (formerly LED4Life) Cornea L4L CO65 29C LED (SA May 2016) <sup>3</sup>	29	27.7		27.7		<b>27.7</b>	27.7	27.7	27.7
Luxmann (formerly LED4Life) Cornea L4L CO65 35C LED (SA May 2016) <sup>3</sup>	35	35.2		35.2		<b>35.2</b>	35.2	35.2	35.2
Luxmann (formerly LED4Life) Cornea L4L CO65 60C LED (SA May 2016) <sup>3</sup>	60	61.2		61.2		<b>61.2</b>	61.2	61.2	61.2
Luxmann (formerly LED4Life) Cornea L4L CO65 X0C LED (SA May 2016) <sup>3</sup>	100	98.8		98.8		<b>98.8</b>	98.8	98.8	98.8
Luxmann (formerly LED4Life) Cornea L4L CO65 X2C LED (SA May 2016) <sup>3</sup>	120	126.5		126.5		<b>126.5</b>	126.5	126.5	126.5
Luxmann (formerly LED4Life) Cornea L4L CO65 Y4C LED (SA May 2016) <sup>3</sup>	240	233.9		233.9		<b>233.9</b>	233.9	233.9	233.9

DEVICE TYPE	NOMINAL DEVICE RATING (W)	NSW	QLD		SA		VIC	TAS	ACT
		LOAD (W)	CODE	LOAD (W)	CODE	LOAD (W)	LOAD (W)	LOAD (W)	LOAD (W)
Luxmann (formerly LED4Life) Cornea L4L CO65 Z2C LED (SA May 2016) <sup>3</sup>	420	466.6		466.6		<b>466.6</b>	466.6	466.6	466.6
Pecan Lighting LRL NXT24S450 LED (NSW June 2016) <sup>1</sup>	35	<b>36</b>		36		36	36	36	36
Pecan Lighting LRL NXT48M450 LED (SA June 2016) <sup>3</sup>	68	70		70		<b>70</b>	70	70	70
Gerard Lighting Sylvania RoadLED 100W (SA July 2016) <sup>3</sup>	100	100.4		100.4		<b>100.4</b>	100.4	100.4	100.4
Gerard Lighting Sylvania StreetLED 14W (SA July 2016) <sup>3</sup>	14	17		17		<b>17</b>	17	17	17
HUB Street Equipment HUB Nova 14 LED (NSW August 2016) <sup>1</sup>	14	<b>14.5</b>		14.5		14.5	14.5	14.5	14.5
OrangeTek Voyager 18 LED (NSW August 2016) <sup>1</sup>	18	<b>18.7</b>		18.7		18.7	18.7	18.7	18.7
OrangeTek Voyager 24 LED (NSW August 2016) <sup>1</sup>	24	<b>24</b>		24		24	24	24	24
OrangeTek Voyager 30 LED (NSW August 2016) <sup>1</sup>	30	<b>29.3</b>		29.3		29.3	29.3	29.3	29.3
HBW Lighting AEC 0F2 4.7-4M LED (Qld August 2016) <sup>2</sup>	69	68.9		<b>68.9</b>		68.9	68.9	68.9	68.9
HBW Lighting AEC 0F2 4.7-5M LED (Qld August 2016) <sup>2</sup>	85	84.7		<b>84.7</b>		84.7	84.7	84.7	84.7
HBW Lighting AEC 0F2 4.7-8M LED (Qld August 2016) <sup>2</sup>	137	137		<b>137</b>		137	137	137	137
HBW Lighting AEC 0F2H1 HPO27 4.7-4M LED (Qld August 2016) <sup>2</sup>	141	140.9		<b>140.9</b>		140.9	140.9	140.9	140.9
Hamilton Lighting AUS XHYP3 360 LED (Qld August 2016) <sup>2</sup>	30	34.8		<b>34.8</b>		34.8	34.8	34.8	34.8
Pecan Lighting NXT 12C 850 LED (NSW August 2016) <sup>1</sup>	33	<b>33</b>		33		33	33	33	33
Aldridge PLED P2430 (Vic August 2016) <sup>4</sup>	30	30.6		30.6		30.6	<b>30.6</b>	30.6	30.6
GE Lighting ERS LED 108W (Vic September 2016) <sup>4</sup>	108	108		108		108	<b>108</b>	108	108
GE Lighting ERS LED 157W (Vic September 2016) <sup>4</sup>	157	157		157		157	<b>157</b>	157	157
GE Lighting ERS LED 219W (Vic September 2016) <sup>4</sup>	219	219		219		219	<b>219</b>	219	219
GE Lighting ERS LED 275W (Vic September 2016) <sup>4</sup>	275	275		275		275	<b>275</b>	275	275
Nikkon Lighting Aldridge S2125 100W (Vic September 2016) <sup>4</sup>	100	108.2		108.2		108.2	<b>108.2</b>	108.2	108.2
Nikkon Lighting Aldridge S2125 125W (Vic September 2016) <sup>4</sup>	125	132.1		132.1		132.1	<b>132.1</b>	132.1	132.1
Nikkon Lighting Aldridge S2190 190W (Vic September 2016) <sup>4</sup>	190	206.5		206.5		206.5	<b>206.5</b>	206.5	206.5
OrangeTek AriaLED 40 350mA (Qld September 2016) <sup>2</sup>	45	45.1		<b>45.1</b>		45.1	45.1	45.1	45.1
OrangeTek AriaLED 40 700mA (Qld September 2016) <sup>2</sup>	90	87.7		<b>87.7</b>		87.7	87.7	87.7	87.7
GE Lighting Evolve P4P5 20W (NSW November 2016) <sup>1</sup>	20	<b>20.4</b>		20.4		20.4	20.4	20.4	20.4
Philips Lighting Xceed BRP372 LED152/NW 125W (NSW November 2016) <sup>1</sup>	125	<b>123.3</b>		123.3		123.3	123.3	123.3	123.3
Philips Lighting Xceed BRP371 LED109/NW 90W (NSW November 2016) <sup>1</sup>	90	89.6		89.6		89.6	89.6	89.6	89.6
Gerard Lighting RoadLED 275W (Vic November 2016) <sup>4</sup>	275	275.1		275.1		275.1	<b>275.1</b>	275.1	275.1

DEVICE TYPE	NOMINAL DEVICE RATING (W)	NSW	QLD		SA		VIC	TAS	ACT
		LOAD (W)	CODE	LOAD (W)	CODE	LOAD (W)	LOAD (W)	LOAD (W)	LOAD (W)
OrangeTek TerraLED Mini 18 (NSW November 2016) <sup>1</sup>	18	<b>17.6</b>		17.6		17.6	17.6	17.6	17.6
OrangeTek TerraLED Mini 24 (NSW November 2016) <sup>1</sup>	24	<b>23</b>		23		23	23	23	23
OrangeTek TreraLED Mini 30 (NSW November 2016) <sup>1</sup>	30	<b>28.2</b>		28.2		28.2	28.2	28.2	28.2
Streetworx OzLite LED 23 (Vic November 2016) <sup>4</sup>	23	23		23		23	<b>23</b>	23	23
Zumtobel Bega 9596s LED (Qld February 2017) <sup>2</sup>	115	115		<b>115</b>		115	115	115	115
Gerard Lighting RoadLED 70W (Vic February 2017) <sup>4</sup>	70	70.4		70.4		70.4	<b>70.4</b>	70.4	70.4
HBW Lighting Italo AEC Of2 4.5-2M LED (Qld March 2017) <sup>2</sup>	27.5	27.4		<b>27.4</b>		27.4	27.4	27.4	27.4

<sup>1</sup> Submitted in NSW – agreed load value for use in all jurisdictions.

<sup>2</sup> Submitted in Queensland – agreed load value for use in all jurisdictions.

<sup>3</sup> Submitted in SA – agreed load value for use in all jurisdictions.

<sup>4</sup> Submitted in Victoria – agreed load value for use in all jurisdictions.

<sup>5</sup> Submitted in Tasmania – agreed load value for use in all jurisdictions.

<sup>6</sup> Submitted in ACT – agreed load value for use in all jurisdictions.

## Appendix B: NSW Traffic Signals Load Table

ID	DEVICE TYPE	FULL LOAD (W)	DIMMED LOAD (W)
16/0	Delta 3	64.0	64.0
23/0	PSC1 NC12/16	61.0	61.0
44/5	Square / With audio tactile	8.0	8.0
46/5	Oval / With audio tactile	8.0	8.0
46/12	Oval / With tactile only (February 2014) <sup>1</sup>	8.0	8.0
55/1	Proximitor 402 / Shelf Mounted	8.0	8.0
55/2	Proximitor 402 / Post mounted with encoder	8.0	8.0
55/3	Proximitor 402 / Post mounted without encoder	8.0	8.0
56/1	Proximitor 404 / Shelf Mounted	8.0	8.0
56/2	Proximitor 404 / Post mounted with encoder	8.0	8.0
56/3	Proximitor 404 / Post mounted without encoder	8.0	8.0
59/1	Electromatic ST10H2 / Shelf Mounted	8.0	8.0
59/2	Electromatic ST10H2 / Post mounted with encoder	8.0	8.0
59/3	Electromatic ST10H2 / Post mounted without encoder	8.0	8.0
60/1	Electromatic ST10H4 / Shelf Mounted	8.0	8.0
60/2	Electromatic ST10H4 / Post mounted with encoder	8.0	8.0
60/3	Electromatic ST10H4 / Post mounted without encoder	8.0	8.0
64/8	Single aspect Q.H. / 200MM Street Level	19.8	16.8
64/9	Single aspect Q.H. / 300MM Mast Arm	28.2	23.9
64/10	Single aspect Q.H. / 300MM Street Level	28.2	23.9
64/11	Single aspect Q.H. / 200MM Mast Arm	19.8	16.8
68/3	Microwave / Post mounted without encoder	8.0	8.0
70/8	Two aspect Q.H. / 200MM Street Level	39.5	33.5
70/9	Two aspect Q.H. / 300MM Mast Arm	56.4	47.9
70/10	Two aspect Q.H. / 300MM Street Level	56.4	47.9
70/11	Two aspect Q.H. / 200MM Mast Arm	39.5	33.5
73/8	Three aspect Q.H. / 200MM Street Level	39.5	33.5
73/9	Three aspect Q.H. / 300MM Mast Arm	56.4	47.9
73/10	Three aspect Q.H. / 300MM Street Level	56.4	47.9
73/11	Three aspect Q.H. / 200MM Mast Arm	39.5	33.5
76/0	Nema 2 channel	8.0	8.0
77/0	Nema 4 channel	8.0	8.0
78/0	Nema 8 channel	8.0	8.0
80/0	PSC NA4	28.0	28.0
81/0	PSC NA6	28.0	28.0
90/0	PSC2 NC12/16	61.0	61.0
94/8	Four aspect Q.H. / 200MM Street Level	59.2	50.3
94/9	Four aspect Q.H. / 300MM Mast Arm	84.6	71.9
94/10	Four aspect Q.H. / 300MM Street Level	84.6	71.9
94/11	Four aspect Q.H. / 200MM Mast Arm	59.2	50.3
97/8	Two aspect pedestrian Q.H. / 200MM Street Level	39.5	33.5
127/0	PSC3 NC12/16	61.0	61.0
136/0	Red Light Camera Loop	41.0	41.0
137/0	CCTV Camera	28.0	28.0
158/0	Traffic signal controller QTC ATC3264/1A (QTC)	34.9	34.9
165/0	CCTV Model PTZ	8.5	8.5
178/8	Single aspect LED/ Full / 200MM Street Level	4.0	2.3

ID	DEVICE TYPE	FULL LOAD (W)	DIMMED LOAD (W)
178/9	Single aspect LED/ Full / 300MM Mast Arm	6.0	4.4
178/10	Single aspect LED/ Full / 300MM Street Level	6.0	4.4
178/11	Single aspect LED/ Full / 200MM Mast Arm	4.0	2.3
179/8	Single aspect LED/ Arrow / 200MM Street Level	3.3	2.1
179/9	Single aspect LED/ Arrow / 300MM Mast Arm	3.9	2.4
179/10	Single aspect LED/ Arrow / 300MM Street Level	3.9	2.4
179/11	Single aspect LED/ Arrow / 200MM Mast Arm	3.3	2.1
180/8	Single aspect LED/ Bus / 200MM Street Level	4.0	2.6
180/9	Single aspect LED/ Bus / 300MM Mast Arm	3.9	2.4
180/10	Single aspect LED/ Bus / 300MM Street Level	3.9	2.4
180/11	Single aspect LED/ Bus / 200MM Mast Arm	4.0	2.6
181/8	Two aspect LED/ Full / 200MM Street Level	7.5	4.5
181/9	Two aspect LED/ Full / 300MM Mast Arm	11.3	8.0
181/10	Two aspect LED/ Full / 300MM Street Level	11.3	8.0
181/11	Two aspect LED/ Full / 200MM Mast Arm	7.5	4.5
182/8	Two aspect LED/ Arrow / 200MM Street Level	6.1	3.9
182/9	Two aspect LED/ Arrow / 300MM Mast Arm	7.1	4.4
182/10	Two aspect LED/ Arrow / 300MM Street Level	7.1	4.4
182/11	Two aspect LED/ Arrow / 200MM Mast Arm	6.1	3.9
183/8	Two aspect LED/ Other / 200MM Street Level	6.1	3.9
183/9	Two aspect LED/ Other / 300MM Mast Arm	7.1	4.4
183/10	Two aspect LED/ Other / 300MM Street Level	7.1	4.4
183/11	Two aspect LED/ Other / 200MM Mast Arm	6.1	3.9
184/8	Three aspect LED/ Full / 200MM Street Level	7.9	4.9
184/9	Three aspect LED/ Full / 300MM Mast Arm	12.4	9.1
184/10	Three aspect LED/ Full / 300MM Street Level	12.4	9.1
184/11	Three aspect LED/ Full / 200MM Mast Arm	7.9	4.9
185/8	Three aspect LED/ Arrow / 200MM Street Level	6.2	4.0
185/9	Three aspect LED/ Arrow / 300MM Mast Arm	7.0	4.4
185/10	Three aspect LED/ Arrow / 300MM Street Level	7.0	4.4
185/11	Three aspect LED/ Arrow / 200MM Mast Arm	6.2	4.0
186/8	Three aspect LED/ Other / 200MM Street Level	6.2	4.0
186/9	Three aspect LED/ Other / 300MM Mast Arm	7.0	4.4
186/10	Three aspect LED/ Other / 300MM Street Level	7.0	4.4
186/11	Three aspect LED/ Other / 200MM Mast Arm	6.2	4.0
187/8	Four aspect LED/ Full / 200MM Street Level	11.9	7.8
187/9	Four aspect LED/ Full / 300MM Mast Arm	18.4	14.7
187/10	Four aspect LED/ Full / 300MM Street Level	18.4	14.7
187/11	Four aspect LED/ Full / 200MM Mast Arm	11.9	7.8
190/8	Two aspect LED/ Ped / 200MM Street Level	6.2	4.7
193/0	Traffic signal controller Tyco EC1 Series 60 (Eclipse) (August 2008) <sup>1</sup>	41.5	41.5
208/0	Road Safety Camera – Redflex (February 2011) <sup>1</sup>	191.7	191.7
209/0	Road Safety Camera – DCD (February 2011) <sup>1</sup>	159.3	159.3
210/0	Road Safety Camera – Sensis (February 2011) <sup>1</sup>	433.5	433.5
211/0	Road Safety Camera – Aspect (February 2011) <sup>1</sup>	183.6	183.6
212/0	Road Safety Camera – Tess (February 2011) <sup>1</sup>	526.2	526.2
213/0	Road Safety Camera Security System (March 2012) <sup>1</sup>	62.3	62.3
214/0	Road Safety Camera Tirtl System (March 2012) <sup>1</sup>	7.1	7.1
217/8	Two aspect QH/Bicycle 200MM Street Level (February 2014) <sup>1</sup>	39.5	33.5

ID	DEVICE TYPE	FULL LOAD (W)	DIMMED LOAD (W)
219/8	Three aspect QH/Bicycle 200MM Street Level (February 2014) <sup>1</sup>	39.5	33.5
220/8	Three aspect QH/Bus 200MM Street Level (February 2014) <sup>1</sup>	39.5	33.5
233/0	ATC Controller (February 2014) <sup>1</sup>	69.4	69.4
237/8	Single aspect LED/Other Graphics/ 200MM Street Level (February 2014) <sup>1</sup>	3.3	2.1
237/10	Single aspect LED/Other Graphics/ 300MM Street Level (February 2014) <sup>1</sup>	3.9	2.4
237/11	Single aspect LED/Other Graphics/ 200MM Mast Arm (February 2014) <sup>1</sup>	3.3	2.1
238/8	Two aspect LED/Other Graphics/ 200MM Street Level (February 2014) <sup>1</sup>	6.1	3.9
238/9	Two aspect LED/Other Graphics/ 300MM Mast Arm (February 2014) <sup>1</sup>	7.1	4.4
238/10	Two aspect LED/Other Graphics/ 300MM Street Level (February 2014) <sup>1</sup>	7.1	4.4
238/11	Two aspect LED/Other Graphics/ 200MM Mast Arm (February 2014) <sup>1</sup>	6.1	3.9
239/8	Three aspect LED/Other Graphics/ 200MM Street Level (February 2014) <sup>1</sup>	6.2	4.0
239/9	Three aspect LED/Other Graphics/ 300MM Mast Arm (February 2014) <sup>1</sup>	7.0	4.4
239/10	Three aspect LED/Other Graphics/ 300MM Street Level (February 2014) <sup>1</sup>	7.0	4.4
239/11	Three aspect LED/Other Graphics/ 200MM Mast Arm (February 2014) <sup>1</sup>	6.2	4.0
252/0	Alpha UPS (February 2014) <sup>1</sup>	81.9	81.9
256/0	Eclipse EB2 (SML) Controller (February 2014) <sup>1</sup>	41.5	41.5
257/0	School Zone Flashing Signs (February 2014) <sup>1</sup>	1.5	1.5
259/0	CBD Evac. System Wireless Announcement Unit (September 2016) <sup>1</sup>	32.5	32.5
260/0	CBD Evac. System Fixed Message Sign Single Line (September 2016) <sup>1</sup>	28.2	28.2

<sup>1</sup> Submitted in NSW – agreed load value for use in all jurisdictions where traffic signals are classified as market loads.



## Appendix C: South Australia Traffic Signals Load Table

DEVICE TYPE	NOMINAL DEVICE RATING (W)	LOAD (W)
Incandescent		
	63	63
	77	77
	94	94
Quartz Halogen		
	35	40.5
	50	57
LED		
200mm arrow with 72 LED Adelaide City Council	7.0	7.4
200mm arrow with 76 LED Adelaide City Council	8.0	8.2
300mm arrow with 92 LED Adelaide City Council	8.0	8.4
200mm disc with 132 LED Adelaide City Council	13.0	13.6
300mm disc with 268 LED Adelaide City Council	23.0	23.0
Transport SA	7.0	7.0
Transport SA	7.6	7.6
Transport SA	8.2	8.2
Transport SA	8.4	8.4
Transport SA	8.8	8.8
Transport SA	9.6	9.6
Transport SA	11.5	11.5
Transport SA	13.6	13.6
Transport SA	14.7	14.7
Transport SA	17.0	17.0
Transport SA	23.3	23.3
Krypton		
	26	26
	36	36
	52	52
CCTV		
	26	26
Red Light Camera		
	48	48
Electric Signs		
	50	50
	160	160
Controllers		
	GEC 104	60
	PLC	10
	PSC C	58
	PSC A	34
	KOALA CROSSING	5
	AAC Controller	60
Communications		
Linking Control Module PSTN (September 2014) <sup>2</sup>	2.7	2.7
Linking Control Module 3G (September 2014) <sup>2</sup>	3.3	3.3
Linking Control Module EW (September 2014) <sup>2</sup>	2.9	2.9
Bluetooth SD 1000 (September 2014) <sup>2</sup>	0.3	0.3
Safe T Cameras		
	Safe T Cam	170

<sup>2</sup> Submitted in SA – agreed load value for use in all jurisdictions where traffic signals are classified as market loads.