

ASP General Information Network Compliance & Authorisations

Alert Number: GI08_21

22 April 2021

Subject: NS119 Equipment Variation and Transition to New Luminaires

Dear ASP1's,

Luminaires listed as standard equipment in Ausgrid's current *NS119 Public Lighting Design and Construction* Amd 3 published 30th August 2018 have been revised. Updated equipment will be listed in revised NS119 Amd 4 which is due for release later in 2021.

The following luminaire information is provided as an interim measure until the new version of NS119 is published.

Transition to new Luminaires

Note: The Approved Materials List (AML) will be updated at a time to coincide with the publishing of the revised NS119 Amd 4.

- From **Monday 15th February 2021** all new design offers made and accepted are required to utilise only luminaires listed in the Tables below.
- If design information or a certified design expires, or a redesign is required, the revised design will be required to utilise only luminaires listed in the Tables below.
- There is no requirement to amend existing current certified designs or projects already under construction where luminaires listed as standard equipment in NS119 Amd 3 have been utilised.

Table 1 - V Category Luminaires

Stock Code	Description	Manufacturer	Lamp	Manufacturers Part No.	I table	Design Lumens	To suit pole spigot	Maintenance Factor
185761	CAT V5	Aldridge	58W LED	V60W.N7PAG	V60W.N7PAG	8720	42mm	0.8
185834		Philips	49W LED	Philips BRP391 LED65/NW 47W PSD DWV P7 ANZ P7 LM6	39104704	6500		
185762	CAT V3	Aldridge	74W LED	V75W.N7PAG	ATS V75W.N7PAG	10580		
185835		Philips	76W LED	Philips BRP391 LED104/NW 74W PSD DWV P7 LM6 ANZ	39107404	10400		
185763	CAT V1	Aldridge	170W LED	V175W.N7PAG	V175W.N7PAG	22200		
185836		Philips	140W LED	Philips BRP392 LED195/NW 137W PSD DWV P7 LM6 ANZ	39213704	19500		
185764	CAT V1 HIGH	Aldridge	258W LED	V250W.N7PAG	ATS 250W.N7PAG	36470		
185837		Philips	224W LED	Philips BRP393 LED310/NW 220W PSD DWV P7 LM6 ANZ	39322004	31000		
185727	High Mast	Aldridge	600W LED	ATS.HLED-600	ATS HLED-600-T4	86000	60mm	

Table 2 - P Category Luminaires

Stock Code	Description	Manufacturer	Lamp	Manufacturer Part No.	I table	Design Lumens	To suit pole spigot	Maintenance Factor
185758	CAT PR3	Aldridge	40W LED	P40W.N7PAG	P40W.N7PAG	3490	34mm	0.8
185831		Philips	25W LED	Philips BRP391 LED36/WW 25W PSD DWP3 PSD P7 LM6 ANZ	39102506	3600		
185759	CAT PR5/PR6	Aldridge	17W LED	P14W.N7PAG	P14W.N7PAG	2280		
185832		Philips	16W LED	Philips BRP391 LED23/WW 16W DWP PSD P7 LM6 ANZ	39101605	2300		
185760	CAT PR5/PR6 RRW	Aldridge	17W LED RRW	P14W.N7PGS AG	P14W.N7PAG.GS	1530		
185833		Philips	10W LED RRW	Philips BRP391 LED14/WW 10W DWP PSD P7 LM6 ANZ	39101005	1400		

Table 3 - Pedestrian Floodlights

Stock Code	Description	Manufacturer	Lamp	Manufacturers Part No.	I table	Design Lumens	Maintenance Factor
185767	PX1/PX2 Asymmetrical Narrow Beam	Aldridge	245W LED	FU.M.240WNBXP1AG	FU.M.240WNBXP1AG	25750	0.8
185768	PX1/PX2 Asymmetrical Wide Beam	Aldridge	245W LED	FU.M.240WWBPX1AG	FU.M.240WWBPX1AG	23660	
185840	PX1 Asymmetrical Medium Beam	Philips	150W LED	BVP382 LED195/NW 150W SMB P7 LM6 ANZ	38215003	19500	
185843	PX2 Asymmetrical Medium Beam	Philips	120W LED	BVP382 LED156/NW 120W SMB P7 LM6 ANZ	38212003	15600	
185775	PX3 Asymmetrical Narrow Beam	Aldridge	150W LED	FU.M.150WNBXP3AG	FU.M.150WNBXP3AG	13620	
185776	PX3 Asymmetrical Wide Beam	Aldridge	150W LED	FU.M.150WWBPX3AG	FU.M.150WWBPX3AG	16510	
185846	PX3 Asymmetrical Medium Beam	Philips	70W LED	BVP381 LED91/NW 70W SMB P7 LM6 ANZ	38107003	9100	
185849	PX3 Asymmetrical Medium Beam	Philips	50W LED	BVP381 LED65/NW 50W SMB P7 LM6 ANZ	38105003	6500	

Table 4 - Decorative Luminaires

Stock Code	Description	Manufacturer	Lamp	Manufacturers Part No.	Design Lumens	To suit pole spigot	Maintenance Factor
185417	Bourke Hill 34W LED top entry decorative double insulated, colour to be specified	Sylvania - Schreder	34W LED	NB99Z01L34	3500	AS 1158 top entry fixing	0.8
185418	Bourke Hill 34W LED top entry decorative double insulated, N61 Black	Sylvania - Schreder	34W LED	NB99Z01L34_BLACK		AS 1158 top entry fixing	
185420	Bourke Hill 34W LED top entry decorative double insulated, G12 Holly Green	Sylvania - Schreder	34W LED	NB99Z01L34_GREEN		AS 1158 top entry fixing	
185421	Bourke Hill 34W LED top entry decorative double insulated, R55 Claret	Sylvania - Schreder	34W LED	NB99Z01L34_CLARET		AS 1158 top entry fixing	
185407	Bourke Hill 34W LED side entry decorative double insulated, colour to be specified	Sylvania - Schreder	34W LED	NA99Z01L34_SPECIFY COLOUR		AS 1158 side entry	
185404	Bourke Hill 34W LED side entry decorative double insulated, N21 Black	Sylvania - Schreder	34W LED	NA99Z01L34_BLACK		AS 1158 side entry	
185402	Bourke Hill 34W LED side entry decorative double insulated, G12 Holly Green	Sylvania - Schreder	34W LED	NA99Z01L34_HOLLY GREEN		AS 1158 side entry	
185403	Bourke Hill 34W LED side entry decorative double insulated, R55 Claret	Sylvania - Schreder	34W LED	NA99Z01L34_CLARET		AS 1158 side entry	
185955	50W post top decorative double insulated, RAL7022 Umbra Grey	Sylvania - Schreder	50W LED	SK99K53C2L50	6100	AS 1158 post top	

185790	100W post top decorative double insulated, RAL9007 Grey Aluminium	Sylvania - Schreder	100W LED	SK99K53C2L100	12050	AS 1158 post top	
185788	150W post top decorative double insulated, RAL9007 Grey Aluminium	Sylvania - Schreder	150W LED	SK99K53C2L150	18500	AS 1158 post top	
185789	100W post top decorative double insulated, RAL9007 Grey Aluminium	Sylvania - Schreder	100W LED	SK99KC50C2L100	12050	AS 1158 catenary	

Default Replacements

Category V Default Luminaires

Ausgrid's current default luminaires for replacement of legacy Category V luminaires is detailed in Table 5 below.

Table 5 - Default Category V Replacement

Legacy Luminaire	LED Replacement Luminaire
Mercury Vapour 125W (all types)	LED subcategory V5
High Pressure Sodium 100W (all types)	
Mercury Vapour 250W (all types)	LED subcategory V3
High Pressure Sodium 150W (all types)	
Mercury Vapour 400W (all types)	LED subcategory V1
High Pressure Sodium 250W (all types)	
High Pressure Sodium 400W (all types)	LED subcategory V1 High

Category P Default Luminaires

Ausgrid's current default luminaires for replacement of legacy Category P luminaires is detailed in Table 6 below.

Table 6 - Default Category P Replacement

Legacy Luminaire	LED Replacement Luminaire
Sylvania StreetLED 31W LED	LED subcategory PR3
Sylvania Suburban 80W MV	LED subcategory PR5/PR6
Sylvania StreetLED 29W LED	
Sylvania StreetLED 22W LED	
Sylvania StreetLED 17W LED	
GE Evolve 17W LED	
Sylvania StreetLED 17W LED Aero	
Sylvania StreetLED 17W LED RRW	Cat PR5/PR6 LED Reduced RRW

Note: Reduced Roadway Width (RRW) to be used in Cul-de-sacs and where roadway width is less than 12 meters (<12m)

Category PX Default Luminaires

Ausgrid's current default luminaires for replacement of legacy Category PX luminaires are detailed in Table 7 below.

Table 7 - Default Category PX Replacement

Legacy Luminaire	LED Replacement Luminaire
Sylvania Sylflood 250W HPS	LED subcategory PX1
Sylvania Sylflood 400W HPS	
Sylvania Sylflood 150W HPS	LED subcategory PX2
Sylvania Sylflood 250W HPS	
Sylvania Sylflood 150W HPS	LED subcategory PX3

If you have any questions or concerns, please contact us on the email below.

Thank you.

Ausgrid

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