



Technical Bulletin

TB224A - Conversion of High Pressure Sodium Luminaires to LED luminaires

Purpose of the amendment

Provide an update on the roll out and recent changes associated with P and V category LED lighting. Also modify the minimum requirements (in addition to existing LED Technical Specification) for LED luminaires to be used for the replacement of High Pressure Sodium luminaire in brown-field areas, for V category roads.

LED Street Lights available

At this time until further notice only these Street Light alternatives are available to use on Endeavour Energy's network:

#	Light source *	Total load
1	LED P4/P5 Gerard 18W	21.9 Watts
2	LED P4 GE 25W	25 Watts
3	LED P3 Gerard 42W	42 Watts
4	LED P3 Pecan 33W	33 Watts

*More information is available in Endeavour Energy's approved list of items and Public Lighting Price List for 2016-17 on the company web site. These LED Street Lights can service P3, P4 and P5 category of roads.

LED Street Lights for V category roads

Endeavour Energy is working towards this for the future and will advise when available. The trials are at the conclusive stage of short listing the right products. With the objective of keeping low inventory, Endeavour Energy is following the parameters listed below to approve a single range of V category LED Street Lights to service both green field and brown field areas, and expect to have these approvals finalised in the next few months.

During this time frame and prior to the V Category LED lighting been made available, the

revised Notification of Change of Charges (NOCC) letter, Ellipse Equipment Loader (EEL), Public Lighting Price List, Photometric Data in both ies and cie format and other relevant information will be made available.

Parameters for V Category LED Street Lights

- The LED luminaire achieves equal to or greater spacing results than High Pressure Sodium luminaire for V category of road as stipulated in the specification for Public Lighting Equipment.
- The LED luminaire achieves equal to or better results (illuminance in Lux) than comparable Sodium Luminaire at all locations highlighted below:

	6m	12m	18m	24m
0°	A	A	A	A
45°	A	A	A	A
90°	A	A	A	A
135°	A	A	A	A
180°	A	A	A	A
225°	A	A		
270°				
315°	A	A		

- The LED luminaire achieves these results with a better energy efficiency than that of an equivalent High Pressure Sodium luminaire.

Impacted Specification:

The contents of this technical bulletin will be included in the next revision of specifications for LED luminaires.