

Public Lighting Construction Standard Part-II

R0003070422
Miscellaneous Drawings

29 September 2025

Official



Powering a
Bright Future

Version	Date	Author	Document Reviewer	Document Approver
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Responsibilities

This document is the responsibility of the Asset Management System & Standards (AMSS) Team, Tasmanian Networks Pty Ltd, ABN 24 167 357 299 (hereafter referred to as "TasNetworks").

Please contact the AMSS Team with any queries or suggestions.

- **Implementation:** All TasNetworks staff and contractors.
- **Compliance:** All group managers

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Revision Record	Details [key addition or changes]
2.0	Section 1 - Luminaires Section 2 - Columns Section 3 - Pole Brackets Section 4 - Electrical Supply and Wiring Section 5 - Public Lighting Components
1.0	Document Created

TasNetworks acknowledges the Palawa (Tasmanian Aboriginal community) as the original owners and custodians of Lutruwita (Tasmania). TasNetworks, acknowledges the Palawa have maintained their spiritual and cultural connection to the land and water. We pay respect to Elders past and present and all Aboriginal and Torres Strait Islander peoples.

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Preface

This standard outlines the approved construction processes and detailed standard arrangements for Public Lighting within the TasNetworks electrical network. It provides guidance on best practices to ensure compliance with TasNetworks' design and installation requirements.

To accommodate design improvements and technological advancements, this standard is periodically updated. Users are responsible for ensuring they refer to and implement the latest version of TasNetworks' standards in all public lighting projects.

Scope

The Public Lighting Construction Standard applies to all unmetered public lighting installations within the TasNetworks network. Metered lighting installations are not covered under this standard.

The requirements specified in this construction standard apply primarily to greenfield sites and should be adhered to for brownfield sites wherever feasible.

Any deviations or non-compliances must receive prior approval from the TasNetworks Design, Standards (AMSS), and Asset Management Team before implementation.

Change Process for this Standard

TasNetworks reviews and updates lighting standards periodically, with a minimum review cycle of 36 months to ensure alignment with current industry practices and regulatory requirements.

All change requests related to the Public Lighting Construction Standard must be submitted to the Asset Management Team, where they will be recorded in the change management register.

Change requests will be categorised based on priority as follows:

- Immediate consideration (critical updates requiring urgent implementation).
- Lower-priority changes (scheduled for inclusion in the next planned review cycle).

Depending on the urgency and impact of the proposed changes, TasNetworks will assess, endorse, and communicate the updates to all relevant stakeholders before implementing them in the standard.

Obsolete Materials

This part of Standard contains drawings that are no longer part of the current Public Lighting Construction Standard and are provided strictly for reference purposes.

These drawings must not be used for new installations. Their inclusion in this document is solely to support the review of legacy installations and assist in identifying superseded construction details.

All designers and installers must ensure that only current, approved materials and drawings which are given in first part are used in active projects. It remains the responsibility of the user to verify that they are referencing the most up-to-date versions of TasNetworks' standards and drawings.

Definitions

Aero screen luminaire	A luminaire that has a flat diffuser recessed or finished flush with the body of the unit. Also called 'full cut-off luminaires' describing luminaires that emit no light above the horizontal plane.
Blowout	The horizontal deviation from centre of power line conductors when subjected to lateral wind forces.
Conduit (Also 'Duct')	A pipe or closed passage formed underground or in a structure and intended to receive one or more cables that may be drawn through it.
Control Gear	The equipment required within the luminaire for starting and running the lamp. Control Gear includes the ballast or choke, capacitor, photo-electric control switch, igniters or starting device if required, lamp holder and wiring.
Frangible column	A lighting column designed to fail on vehicle impact in a controlled manner. The two frangible column types are slip-base and impact absorbing; TasNetwork use the latter.
Impact absorbing column	A column designed to deform around a vehicle upon impact and gradually slow the vehicle.
Lamp	The generic term for the light source in a luminaire.
LED	Light Emitting Diode – (a semiconductor diode which glows when a voltage is applied).
Lighting column	A vertical structure of any appropriate material, which, is designed to support luminaires either directly or by use of outreach arms or mounting frames.
Luminaire	A lantern; the entire apparatus which distributes, filters, or transforms the light transmitted from one or more lamps and which includes, all the parts necessary for fixing and protecting the lamps and connecting them to the electrical supply.
Mounting height	The vertical distance between the photometric centre of a luminaire and the surface which is to be illuminated.
Outreach	The distance, measured horizontally, from the photometric centre of a luminaire to: (a) For lighting columns with outreach arms, the centre of the vertical section of the pole (b) For bracket arms, the mounting plate which the bracket arm is secured to the pole, wall or other surface.
Sinking depth	The depth of a column below ground level.
Upcast or Tilt Angle	The angle by which the axis of the fixing spigot entry is tilted above the horizontal when the luminaire is installed.
Works plan or 'construction drawing'	An instruction in the form of a drawing or plan detailing the construction requirements to carry out nominated capital or maintenance works on the electricity distribution system.
Major Road Lighting Cat - V	Major road lighting, as defined in the AS 1158 series, is designed to provide high levels of illumination for roads with significant traffic volumes and higher-speed limits, ensuring safety and visibility for drivers and pedestrians in complex traffic environments.
Minor Road Lighting Cat - P	Minor road lighting refers to illumination for roads with lower traffic volumes and slower speed limits, such as residential streets or local roads, aimed at providing sufficient visibility for safety and general access.
Decorative Lighting	Decorative lighting focuses on enhancing the aesthetic appeal of urban spaces, parks, and streetscapes while meeting functional lighting requirements, often featuring architecturally styled luminaires or poles.

Abbreviations

A	Aeroscreen
AS/NZS	Australian/New Zealand Standard
DB	Direct Buried
BPM	Base Plate Mounted
CFL	Compact Fluorescent Lamp
DBYD	Dial Before You Dig
Ex	Existing
FCR	Fine Crusher Rock
HID	High Intensity Discharge
HPS	High Pressure Sodium Vapour
IAP	Impact Absorbing Pole
IP Rating	The International Protection code for Enclosures
ISO	International Standards Organisation
LED	Light Emitting Diode
LPS	Low Pressure Sodium Vapour
MH	Metal Halide
MV	Mercury Vapour
PE	Photoelectric
PED XING	Pedestrian Crossing
SL	Streetlight
UG	Underground
URD	Underground Residential Development

References

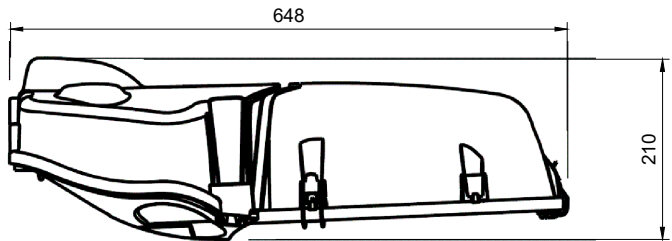
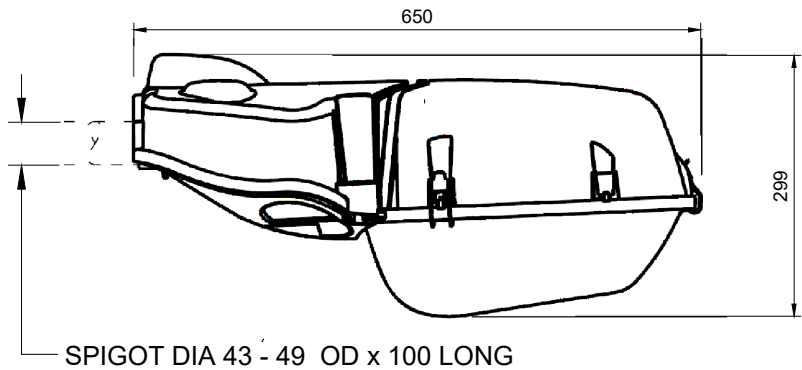
- AS/NZS 1158 series – Lighting for Roads and Public Spaces
- AS/NZS 1798 – Lighting Poles and Bracket Arms
- AS/NZS 60598.2.3 – Particular Requirements for Road & Street Lighting
- AS 4282 – Control of Obtrusive Effects of Outdoor Lighting
- AS/NZS 1170 – Structural Design Actions
- AS/NZS 3000 – Wiring Rules
- AS/NZS 7000 – Overhead Line Design
- CASA Manual of Standards Part 139 – Aerodromes
- TasNetworks Service Installation Rules
- TasNetworks Underground Standard
- TasNetworks Public Lighting Services Tariff Application and Price Guide
- Electricity Industry Safety and Administration Act 1997 and Regulations 1999
- Electricity Wayleaves and Easements Act 2000
- Workplace Health and Safety Act 2012
- Workplace Health and Safety Regulations 2012
- Occupational Licensing Act 2005
- Occupational Licensing (Electrical Work) Regulations 2008
- Environmental Management and Pollution Control Act 1994

1 Luminaires

Sub-Section	Category	Current	Sheet	Description of Luminaire
1.1	Major Road	X	1.1.1 1.1.2 1.1.3 1.1.4 1.1.5 1.1.6	Sylvania Roadster HPS and MH 150W, 250W, 400W Sylvania Paleo 440 MH 400W GEC/Rexel Optispan HPS 250W SCO GEC/Rexel Optispan HPS 250W Aeroscreen GEC/Rexel Optispan HPS 400W SCO GEC/Rexel Optispan HPS 400W Aeroscreen
1.2	Major Flood Lights	X	1.2.1 1.2.2 1.2.3	Sylvania Sylflood Floodlight HPS and MH 250W, 400W Rexel/GEC Solarflood Floodlight HPS and MH 250W, 400W Rexel Sentry Floodlight HPS and MH 250W, 400W
1.3	Minor Road	X	1.3.1 1.3.2 1.3.3 1.3.4 1.3.5 1.3.6	Sylvania Urban Eco and HID Series Sylvania Suburban Eco and HID Series Sylvania StreetLED 18W LED Sylvania B2224 MV 80W Sylvania B2222 MV 50W, 125W Gough - Betacom GL300 MV 80W
1.4	Minor Decorative	X	1.4.1 1.4.2 1.4.3 1.4.4 1.4.5 1.4.6 1.4.7	Sylvania Bourke Hill LED 18W Decorative Top & Side Entry Sylvania Kensington Heritage LED 18W Decorative Bottom Entry Sylvania B2001 Decorative Bottom Entry CFL 42W Rexel Bathurst Decorative Bottom Entry MV 50W, 80W, 125W Sylvania Nostalgia Decorative Side Entry MV 80W Artcraft Seaford Decorative Top Entry MV 80W, CFL 42W Artcraft Flinders Decorative Bottom Entry MV 80W, HPS 70W

X Non-Current Fittings / Obsolete Fittings

NON-CURRENT FITTING
FOR REFERENCE ONLY



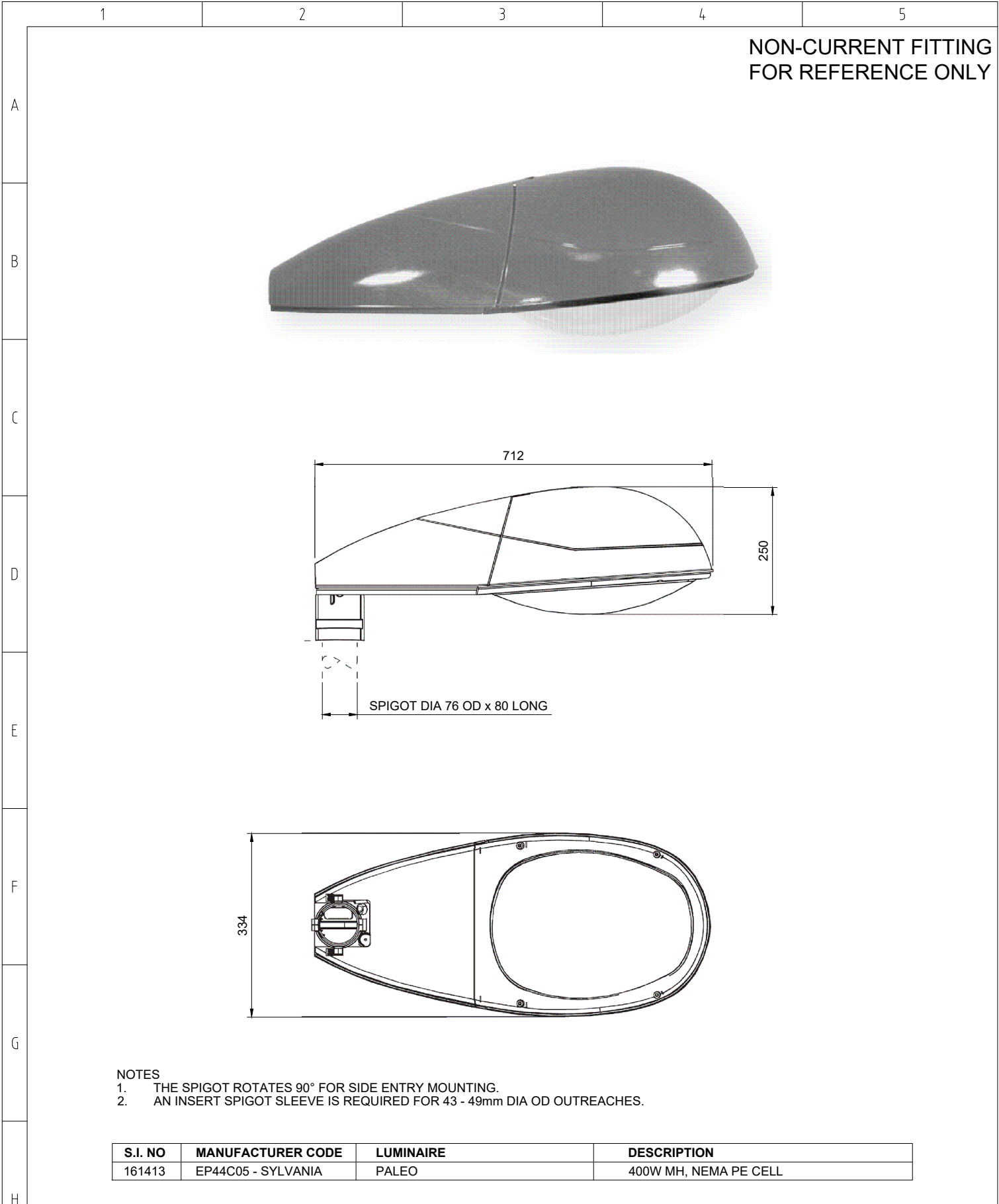
AEROSCREEN VERSION

S.I. NO	MANUFACTURER CODE	LUMINAIRE	DESCRIPTION
161411	PR42C05 - SYLVANIA	ROADSTER	150W MH, NEMA PE CELL
161412	PR43C05 - SYLVANIA	ROADSTER	250W MH, NEMA PE CELL
161496	PR42C06 - SYLVANIA	ROADSTER AEROSCREEN	150W MH, NEMA PE CELL, AEROSCREEN
161497	PR43C06 - SYLVANIA	ROADSTER AEROSCREEN	250W MH, NEMA PE CELL, AEROSCREEN
TBC	PR44C06 - SYLVANIA	ROADSTER AEROSCREEN	400W MH, NEMA PE CELL, AEROSCREEN
161470	PR42C03 - SYLVANIA	ROADSTER	150W HPS, NEMA PE CELL
161473	PR43C03 - SYLVANIA	ROADSTER	250W HPS, NEMA PE CELL
161474	PR44C03 - SYLVANIA	ROADSTER	400W HPS, NEMA PE CELL
161483	PR42C04 - SYLVANIA	ROADSTER AEROSCREEN	150W HPS, NEMA PE CELL, AEROSCREEN
161484	PR43C04 - SYLVANIA	ROADSTER AEROSCREEN	250W HPS, NEMA PE CELL, AEROSCREEN
161485	PR44C04 - SYLVANIA	ROADSTER AEROSCREEN	400W HPS, NEMA PE CELL, AEROSCREEN

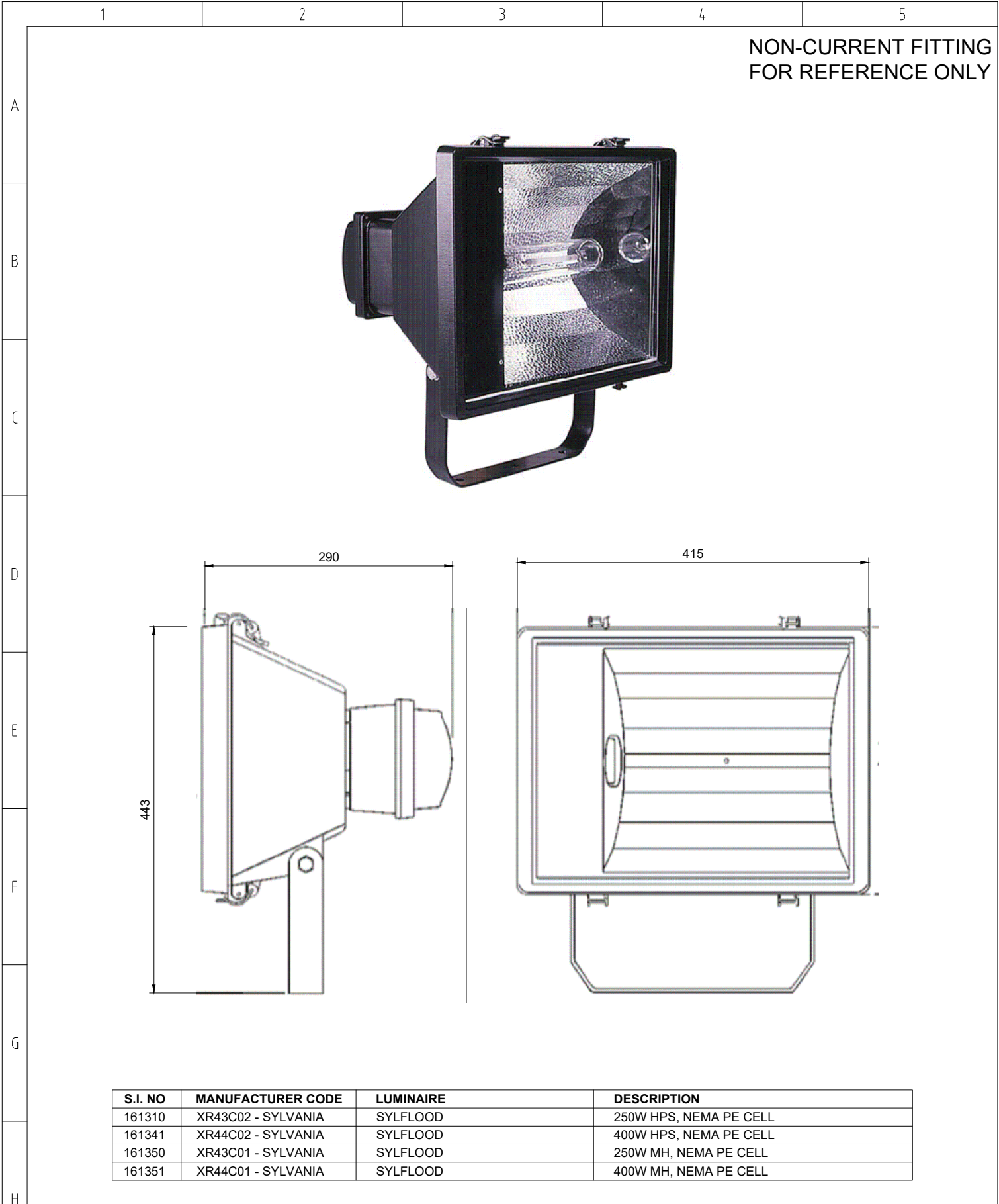
PUBLIC LIGHTING CONSTRUCTION STANDARD

SECTION 1	SUBSECTION 1	SHEET 1
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ALTERATIONS	ORIGINAL ISSUE	DERIVED FROM PL-307		© Tasmanian Networks PTY. LTD. trading as TasNetworks ABN: 24 167 357 299	NO PART OF THIS DRAWING MAY BE REPRODUCED, STORED IN A RETRIEVAL SYSTEM IN ANY FORM, OR TRANSMITTED BY ANY MEANS WITHOUT THE PRIOR PERMISSION OF TASNETWORKS	
				TITLE LUMINAIRES MAJOR ROAD - NON-CURRENT SYLVANIA ROADSTER HPS & MH		SCALE NTS
				PREPARED BY MUHAMMAD QURESHI		A4
				CHECKED BY BABU NARAYANASAMY		
				APPROVED BY MELISSA TAYLOR		
DATE APPROVED 15/01/2025		D - PLC - AL01 - SD - 001		REVISION A		



A		B		C		D		E		F		G		H																																																				
NON-CURRENT FITTING FOR REFERENCE ONLY																																																																		
Technical drawing of a luminaire showing side and top views. The side view includes dimensions 143, 752, and 11. The top view includes dimension 337. Callouts 1 through 15 point to various components. The text 'VIEW WITH GEAR COVER REMOVED' is present. PROJECTED AREA 0.094 sq. m MASS 400W HPS 11.4 kg <table><thead><tr><th>ITEM</th><th>DESCRIPTION</th><th>400W SON</th></tr></thead><tbody><tr><td>1</td><td>IGNITOR</td><td>MS400TB</td></tr><tr><td>2</td><td>CHOKE 250V</td><td>WGS400</td></tr><tr><td>3</td><td>GEAR TRAY</td><td>MILD STEEL (ZINCSEAL)</td></tr><tr><td>4</td><td>TERMINAL BLOCK</td><td>3 WAY, 4.1 BORE</td></tr><tr><td>5</td><td>GEAR HOUSING</td><td>DIECAST ALUMINIUM BLUE/GREY POLYESTER COATED</td></tr><tr><td>6</td><td>EXTERNAL FASTENERS/CATCHES</td><td>STAINLESS STEEL</td></tr><tr><td>7</td><td>GEAR COVER</td><td>POLYPROPYLENE</td></tr><tr><td>8</td><td>GASKET</td><td>SILICONE RUBBER</td></tr><tr><td>9</td><td>LAMPHOLDER</td><td>MS1500A</td></tr><tr><td>10</td><td>GLASS</td><td>5 mm TOUGHENED GLASS</td></tr><tr><td>11</td><td>REFLECTORS</td><td>PRE-ANODISED ALUMINIUM</td></tr><tr><td>12</td><td>REFLECTOR HOUSING</td><td>DIECAST ALUMINIUM BLUE/GREY POLYESTER COATED</td></tr><tr><td>13</td><td>P.E. CELL (OPTIONAL)</td><td>ROYCE THOMPSON</td></tr><tr><td>14</td><td>PFC CAPACITOR</td><td>ATCO DR PLESSEY</td></tr><tr><td>15</td><td>WIRING - LAMPHOLDER</td><td>32/0.2 SILICONE RUBBER INSULATED</td></tr><tr><td colspan="2">WIRING - OTHER</td><td>32/0.2 105°C PVC INSULATED</td></tr></tbody></table>																ITEM	DESCRIPTION	400W SON	1	IGNITOR	MS400TB	2	CHOKE 250V	WGS400	3	GEAR TRAY	MILD STEEL (ZINCSEAL)	4	TERMINAL BLOCK	3 WAY, 4.1 BORE	5	GEAR HOUSING	DIECAST ALUMINIUM BLUE/GREY POLYESTER COATED	6	EXTERNAL FASTENERS/CATCHES	STAINLESS STEEL	7	GEAR COVER	POLYPROPYLENE	8	GASKET	SILICONE RUBBER	9	LAMPHOLDER	MS1500A	10	GLASS	5 mm TOUGHENED GLASS	11	REFLECTORS	PRE-ANODISED ALUMINIUM	12	REFLECTOR HOUSING	DIECAST ALUMINIUM BLUE/GREY POLYESTER COATED	13	P.E. CELL (OPTIONAL)	ROYCE THOMPSON	14	PFC CAPACITOR	ATCO DR PLESSEY	15	WIRING - LAMPHOLDER	32/0.2 SILICONE RUBBER INSULATED	WIRING - OTHER		32/0.2 105°C PVC INSULATED
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PREPARED BY MUHAMMAD QURESHI		CHECKED BY BABU NARAYANASAMY		APPROVED BY MELISSA TAYLOR		DATE APPROVED 15/01/2025		D - PLC - AL01 - SD - 006																																																										



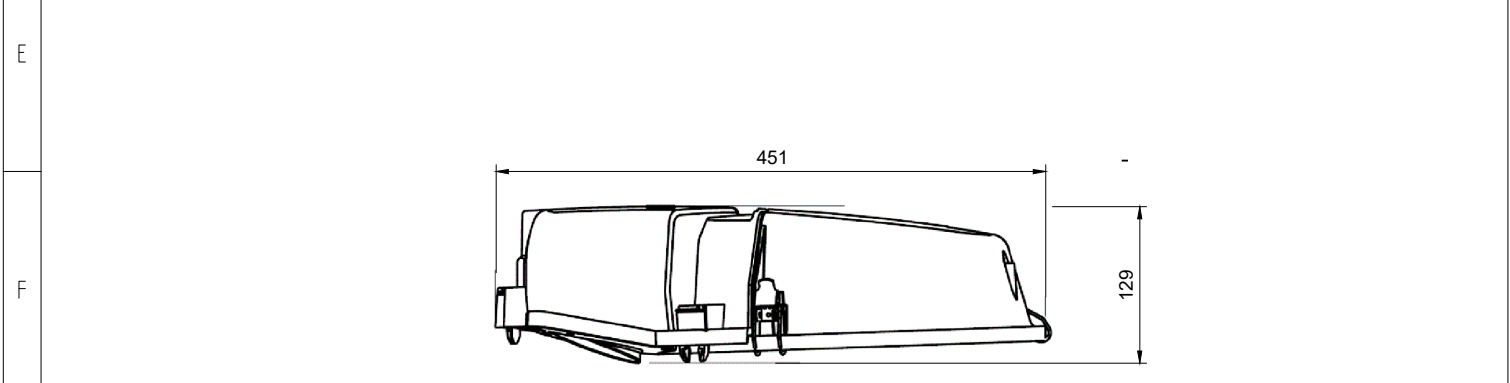
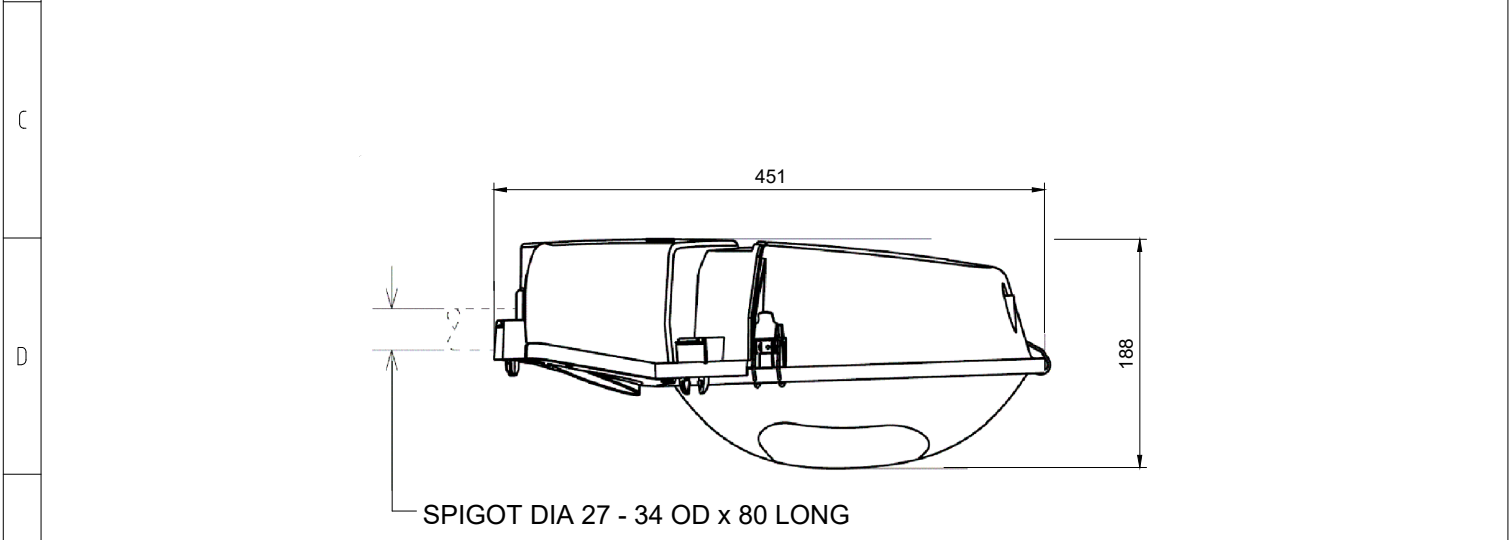
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PUBLIC LIGHTING CONSTRUCTION STANDARD

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			LUMINAIRES			NTS		
			MAJOR ROAD - NON-CURRENT					
			REXEL / GEC SENTRY					
			HPS & MH 250W, 400W			A4		
			D - PLC - AL02 - SD - 003			REVISION		
						A		
			PREPARED BY		MUHAMMAD QURESHI			
			CHECKED BY		BABU NARAYANASAMY			
APPROVED BY		MELISSA TAYLOR						
DATE APPROVED		15/01/2025						

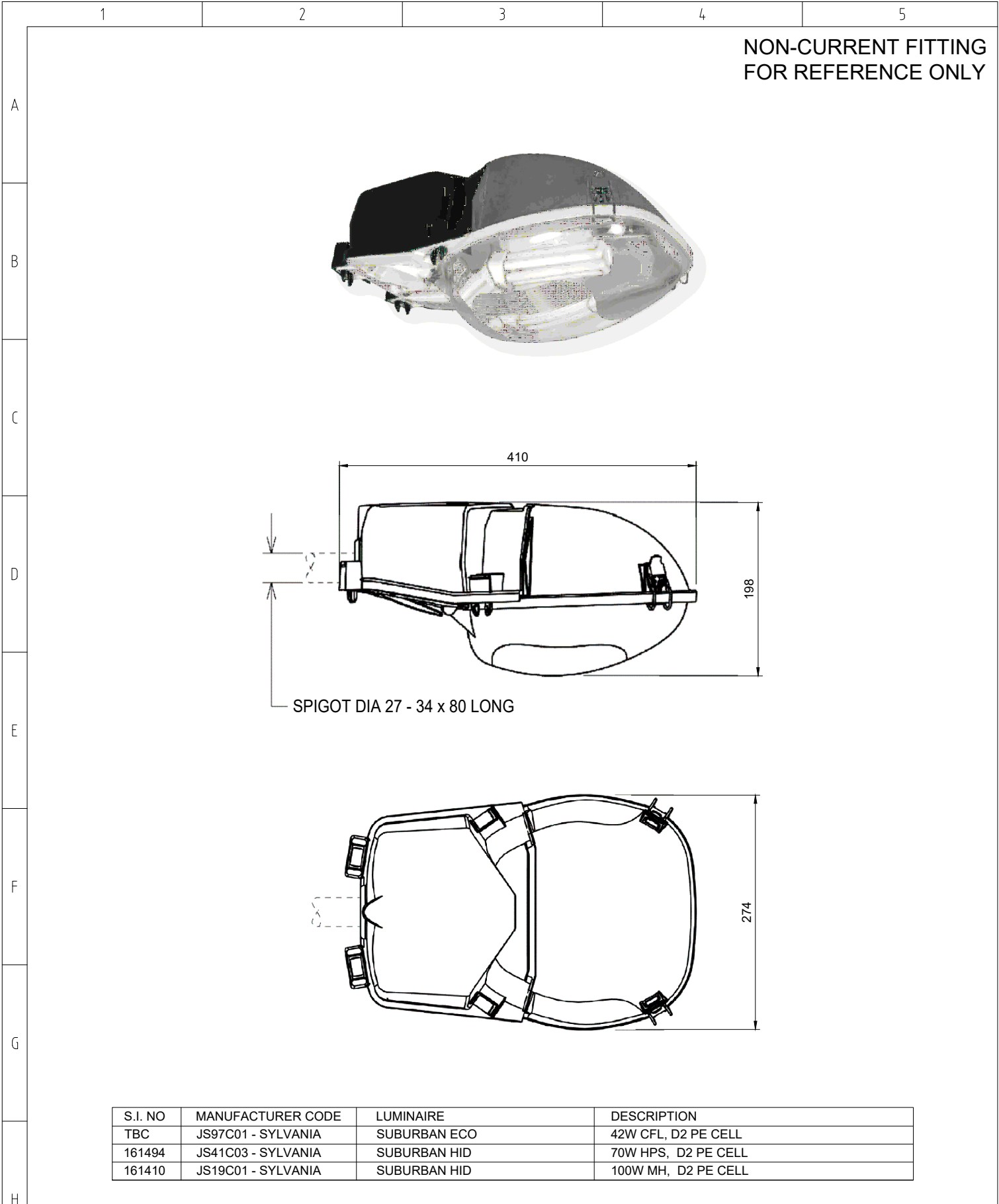
NON-CURRENT FITTING
FOR REFERENCE ONLY



AEROSCREEN VERSION

S.I. No	MANUFACTURER CODE	LUMINAIRE	DESCRIPTION
TBC	JA97C03 - SYLVANIA	URBAN ECO AEROSCREEN	42W CFL, D2 PE CELL, AEROSCREEN
161440	JA41C01 - SYLVANIA	URBAN AEROSCREEN	70W HPS, D2 PE CELL, AEROSCREEN
161477	JA47C01 - SYLVANIA	URBAN HID	100W HPS, D2 PE CELL
161495	JA19C01 - SYLVANIA	URBAN HID AEROSCREEN	100W MH, D2 PE CELL, AEROSCREEN
161482	JA47C02 - SYLVANIA	URBAN AEROSCREEN	100W HPS, D2 PE CELL, AEROSCREEN

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				D - PLC - AL03 - SD - 001				A4
				PREPARED BY MUHAMMAD QURESHI CHECKED BY BABU NARAYANASAMY APPROVED BY MELISSA TAYLOR DATE APPROVED 15/01/2025				REVISION A



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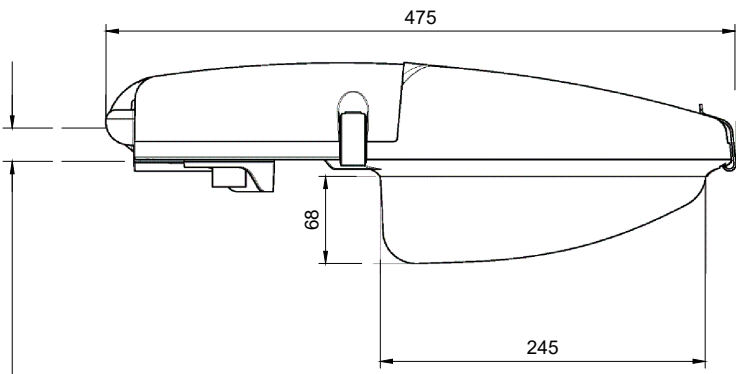
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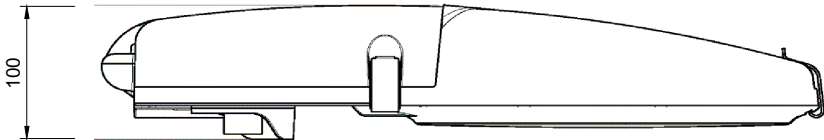
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NON-CURRENT FITTING
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SPIGOT SIZE DIA 27 - 34 x 80 LONG



AEROSCREEN VERSION

S.I. NO	DIFFUSERS TO SUIT THIS LUMINAIRE
161502	STANDARD
161503	REAR PAINTED
161504	AEROSCREEN
161505	FRONT & REAR PAINTED
161506	FRONT PAINTED
161507	360° FULLY PAINTED

S.I. NO	MANUFACTURER CODE	LUMINAIRE	DESCRIPTION
161499	JLA99C01L22 - SYLVANIA	STREETLED	18W LED, D2 PE CELL
TBC	JLA99C11L22 - SYLVANIA	STREETLED AEROSCREEN	18W LED, D2 PE CELL, AEROSCREEN

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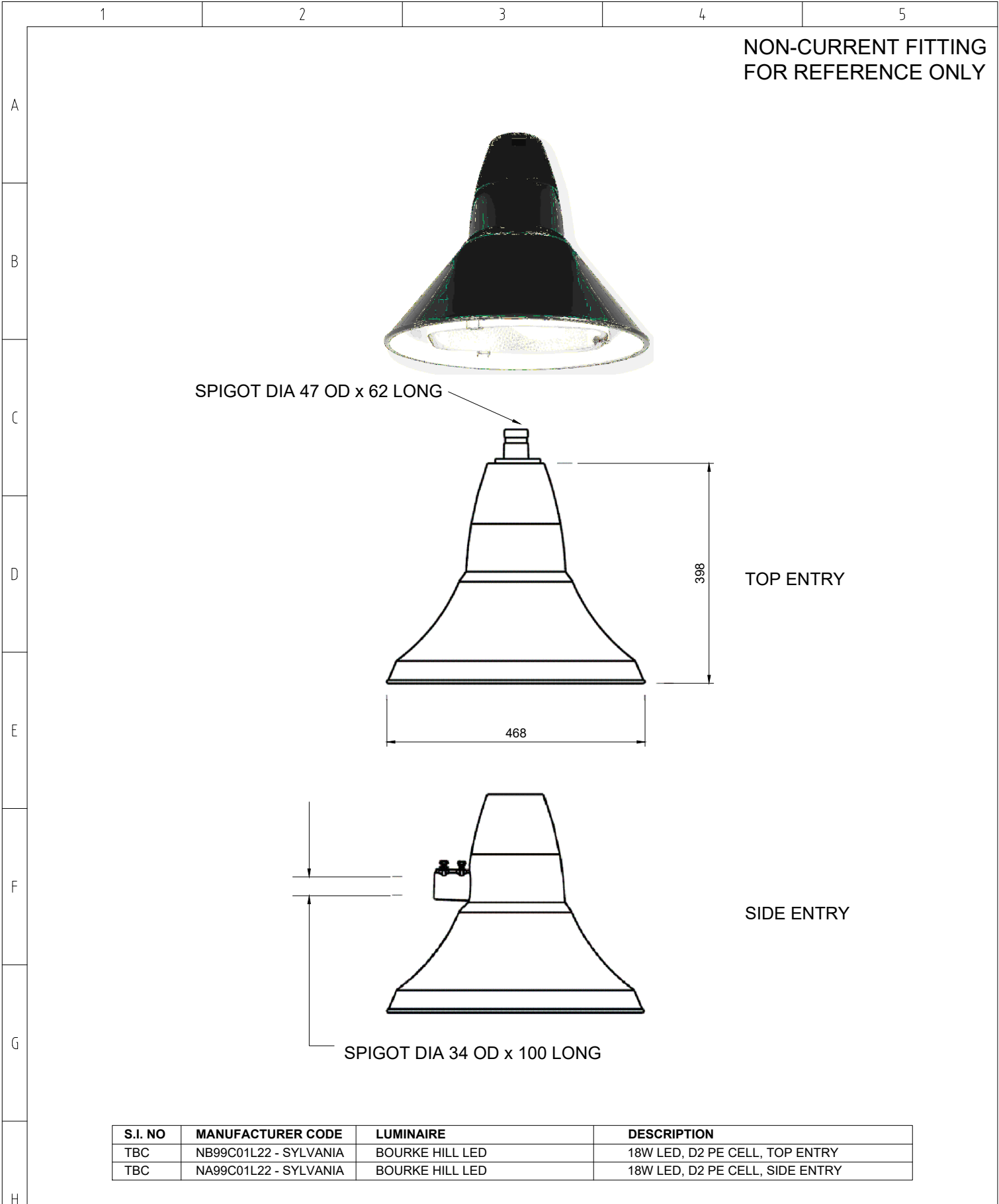
PUBLIC LIGHTING CONSTRUCTION STANDARD			SECTION 1	SUBSECTION 3	SHEET 4
A L T E R A T I O N S	O R I G I N A L I S S U E		© Tasmanian Networks PTY. LTD. trading as TasNetworks ABN: 24 167 357 299		
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			D - PLC - AL03 - SD - 004		
			SCALE NTS A4 REVISION A		
			PREPARED BY MUHAMMAD QURESHI		
			CHECKED BY BABU NARAYANASAMY		
			APPROVED BY MELISSA TAYLOR		
			DATE APPROVED 15/01/2025		

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PUBLIC LIGHTING CONSTRUCTION STANDARD					SECTION 1	SUBSECTION 3	SHEET 5	
A L T E R A T I O N S	O R I G I N A L I S S U E				© Tasmanian Networks PTY. LTD. trading as TasNetworks ABN: 24 167 357 299			NO PART OF THIS DRAWING MAY BE REPRODUCED, STORED IN A RETRIEVAL SYSTEM IN ANY FORM, OR TRANSMITTED BY ANY MEANS WITHOUT THE PRIOR PERMISSION OF TASNETWORKS
					TITLE		SCALE	
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							A4	
				PREPARED BY MUHAMMAD QURESHI	D - PLC - AL03 - SD - 005			REVISION A
			CHECKED BY BABU NARAYANASAMY					
			APPROVED BY MELISSA TAYLOR					
				DATE APPROVED 15/01/2025				

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PUBLIC LIGHTING CONSTRUCTION STANDARD					SECTION 1	SUBSECTION 3	SHEET 6	
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					TITLE		SCALE	
					LUMINAIRES MINOR ROAD - NON-CURRENT GOUGH BETACOM GC300 MV 80W		NTS	
					D - PLC - AL03 - SD - 006		A4	
							REVISION	
							A	
				PREPARED BY	MUHAMMAD QURESHI			
				CHECKED BY	BABU NARAYANASAMY			
				APPROVED BY	MELISSA TAYLOR			
				DATE APPROVED	15/01/2025			



12345

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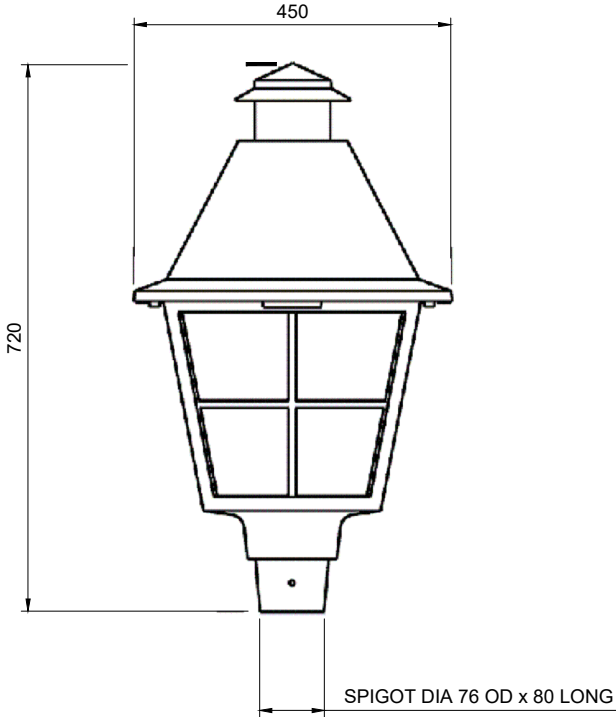
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NON-CURRENT FITTING
FOR REFERENCE ONLY





S.I. NO	MANUFACTURER CODE	LUMINAIRE	DESCRIPTION
161455	LM99C01L22 - SYLVANIA	KENSINGTON HERITAGE	18W LED, D2 PE CELL

ALTERATIONS

ORIGINAL ISSUE

DERIVED FROM
PL-306



PREPARED BY	MUHAMMAD QURESHI
CHECKED BY	BABU NARAYANASAMY
APPROVED BY	MELISSA TAYLOR
DATE APPROVED	15/01/2025

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TITLE

LUMINAIRES
MINOR ROAD - NON-CURRENT
SYLVANIA KENSINGTON HERITAGE 18W
DECORATIVE BOTTOM ENTRY

D - PLC - AL04 - SD - 002

SCALE

NTS

A4

REVISION

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PUBLIC LIGHTING CONSTRUCTION STANDARD

SECTION	SUBSECTION	SHEET
1	4	2

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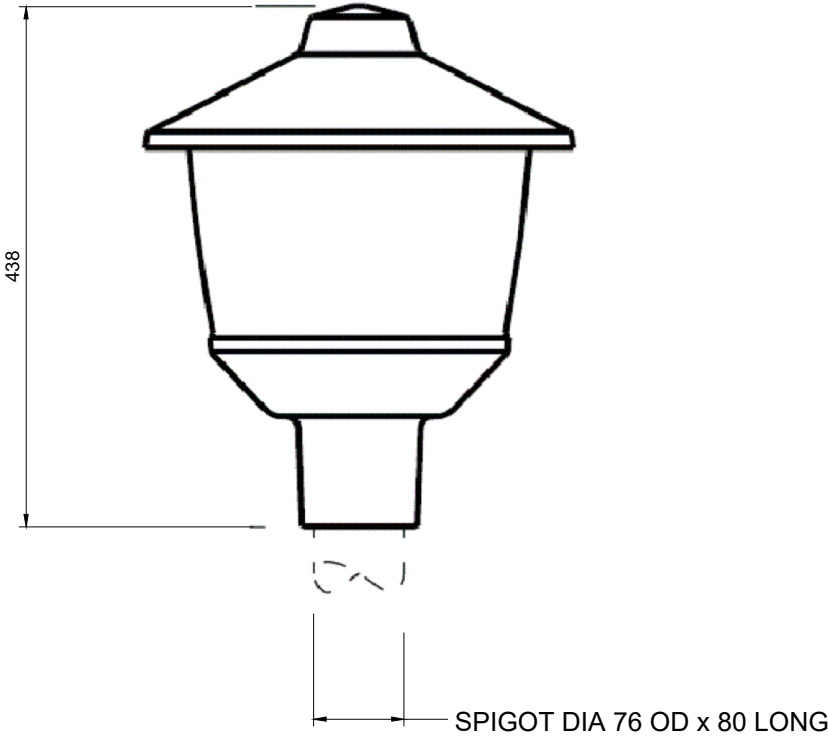
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NON-CURRENT FITTING
FOR REFERENCE ONLY





S.I. NO	MANUFACTURER CODE	LUMINAIRE	DESCRIPTION
161493	D97C01 - SYLVANIA	B2001	42W CFL, D2 PE CELL

ALTERATIONS

ORIGINAL ISSUE

DERIVED FROM
PL-304



PREPARED BY	MUHAMMAD QURESHI
CHECKED BY	BABU NARAYANASAMY
APPROVED BY	MELISSA TAYLOR
DATE APPROVED	15/01/2025

PUBLIC LIGHTING CONSTRUCTION STANDARD

SECTION 1

SUBSECTION 4

SHEET 3

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TITLE
LUMINAIRES
MINOR ROAD - NON-CURRENT
SYLVANIA B2001 SERIES CFL 42W
DECORATIVE BOTTOM ENTRY

SCALE
NTS
A4

D - PLC - AL04 - SD - 003

REVISION
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PUBLIC LIGHTING CONSTRUCTION STANDARD			SECTION 1	SUBSECTION 4	SHEET 4
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			TITLE LUMINAIRES MINOR ROAD - NON-CURRENT REXEL BATHURST MV 50W, 80W AND 125W DECORATIVE BOTTOM ENTRY		
			D - PLC - AL04 - SD - 004		
			SCALE NTS A4 REVISION A		
			PREPARED BY MUHAMMAD QURESHI		
			CHECKED BY BABU NARAYANASAMY		
			APPROVED BY MELISSA TAYLOR		
			DATE APPROVED 15/01/2025		

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A	NON-CURRENT FITTING FOR REFERENCE ONLY 				
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PUBLIC LIGHTING CONSTRUCTION STANDARD					SECTION 1	SUBSECTION 4	SHEET 5	
A L T E R A T I O N S	O R I G I N A L I S S U E				© Tasmanian Networks PTY. LTD. trading as TasNetworks ABN: 24 167 357 299			NO PART OF THIS DRAWING MAY BE REPRODUCED, STORED IN A RETRIEVAL SYSTEM IN ANY FORM, OR TRANSMITTED BY ANY MEANS WITHOUT THE PRIOR PERMISSION OF TASNETWORKS
					TITLE		SCALE	
					LUMINAIRES MINOR ROAD - NON-CURRENT SYLVANIA NOSTALGIA MV 80W DECORATIVE BOTTOM ENTRY		NTS	
							A4	
					D - PLC - AL04 - SD - 005		REVISION A	
					PREPARED BY	MUHAMMAD QURESHI		
					CHECKED BY	BABU NARAYANASAMY		
					APPROVED BY	MELISSA TAYLOR		
					DATE APPROVED	15/01/2025		

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A	NON-CURRENT FITTING FOR REFERENCE ONLY 				
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PUBLIC LIGHTING CONSTRUCTION STANDARD					SECTION 1	SUBSECTION 4	SHEET 6					
A L T E R A T I O N S	O R I G I N A L I S S U E				© Tasmanian Networks PTY. LTD. trading as TasNetworks ABN: 24 167 357 299			NO PART OF THIS DRAWING MAY BE REPRODUCED, STORED IN A RETRIEVAL SYSTEM IN ANY FORM, OR TRANSMITTED BY ANY MEANS WITHOUT THE PRIOR PERMISSION OF TASNETWORKS				
					TITLE						SCALE	
					LUMINAIRES MINOR ROAD - NON-CURRENT ARTCRAFT SEAFORD MV 80W, CFL 42W DECORATIVE TOP ENTRY						NTS	
											A4	
					D - PLC - AL04 - SD - 006						REVISION A	
				PREPARED BY	MUHAMMAD QURESHI							
				CHECKED BY	BABU NARAYANASAMY							
				APPROVED BY	MELISSA TAYLOR							
				DATE APPROVED	15/01/2025							

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A	NON-CURRENT FITTING FOR REFERENCE ONLY  				
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PUBLIC LIGHTING CONSTRUCTION STANDARD					SECTION 1	SUBSECTION 4	SHEET 7				
A L T E R A T I O N S	O R I G I N A L I S S U E	1		© Tasmanian Networks PTY. LTD. trading as TasNetworks ABN: 24 167 357 299				NO PART OF THIS DRAWING MAY BE REPRODUCED, STORED IN A RETRIEVAL SYSTEM IN ANY FORM, OR TRANSMITTED BY ANY MEANS WITHOUT THE PRIOR PERMISSION OF TASNETWORKS			
				TITLE LUMINAIRES MINOR ROAD - NON-CURRENT ARTCRAFT FLINDERS MV 80W HPS 70W						SCALE NTS	
										A4	
										REVISION A	
				PREPARED BY		MUHAMMAD QURESHI		D - PLC - AL04 - SD - 007			
				CHECKED BY		BABU NARAYANASAMY					
APPROVED BY		MELISSA TAYLOR									
DATE APPROVED		15/01/2025									

2 Columns

Sub-Section	Sheet	Mounting Height (m)	Base Plate Mounted (BPM)	Direct Buried (DB)	Hinged High-Mast	Rigid	Frangible Impact Absorbent	Number of Outreach	Outreach Length (m)	Decorative / Special Application	Current
2.1 Major Road Cat-V	2.1.1	9.5		✓		✓		1	3		X
2.2 Minor Road Cat-P	2.2.1	7		✓		✓		1	0.6		X

X Non-Current / Obsolete Columns

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TN STOCK ID: 324991



SECTION	SUBSECTION	SHEET
2	1	1

DERIVED FROM
INGAL EPS DWG GA2506



D - PLC - BL01 - SD - 001

SCALE
POINTS
A4
REVISION
A

3 Pole Brackets

There are no obsolete / legacy drawings for this section.

4 Electrical Supply and Wiring

There are no obsolete / legacy drawings for this section.

5 Public Lighting Components

Sub-Section		Current	Sheet	Description
5.1	Lamps	X	5.1.1 5.1.2 5.1.3 5.1.4 5.1.5	High Pressure Sodium – Elliptical High Pressure Sodium – Tubular Metal Halide Fluorescent Mercury Vapour

X Non-Current / Obsolete Lighting Components

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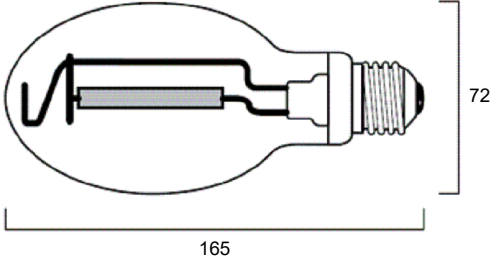
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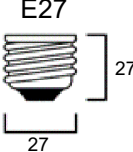
SHP



165

72

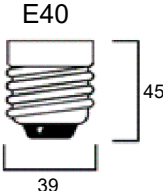
E27



27

27

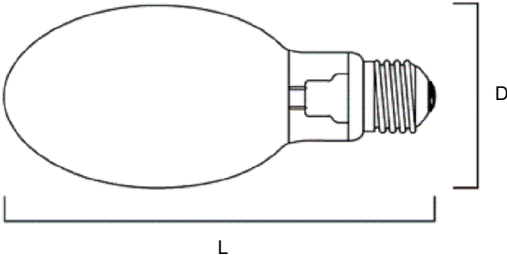
E40



39

45

SHP-S



L

D

SHP-S	100W	150W	250W
L	186	227	227
D	78	91	91

S.I. NO	MANUFACTURER CODE	LAMP WATTAGE	DESCRIPTION
160601	673250 - SYLVANIA	70W	SHP, ELLIPTICAL, COATED, E27, IGNITOR
160617	206920X - SYLVANIA	100W	SHP-S, ELLIPTICAL, COATED, E40
160602	673150X - SYLVANIA	150W	SHP-S, ELLIPTICAL, COATED, E40
160604	672070 - SYLVANIA	250W	SHP-S, ELLIPTICAL, COATED, E40

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FOR REFERENCE ONLY

SHP-T

A side-view diagram of an SHP-T tubular lamp. It shows a cylindrical body with a rounded end on the left and a threaded base on the right. A horizontal dimension line below the lamp is labeled 'L' for length. A vertical dimension line to the right of the base is labeled 'D' for diameter.

SHP-T	70W	400W
L	156	292
D	39	48

SHP-TS

A side-view diagram of an SHP-TS tubular lamp, similar in design to the SHP-T but with a different internal structure. It includes a horizontal dimension line labeled 'L' and a vertical dimension line labeled 'D'.

SHP-TS	100W	150W	250W
L	211	211	260
D	48	48	48

SHP-T TwinArc

A side-view diagram of an SHP-T TwinArc lamp, featuring a double-arc internal structure. It includes a horizontal dimension line labeled 'L' and a vertical dimension line labeled 'D'.

SHP-T	150W	250W	400W
L	211	260	280
D	48	48	48

Two diagrams of standard screw-in bases. The left diagram shows an E27 base with a horizontal dimension line labeled '27' and a vertical dimension line labeled '27'. The right diagram shows an E40 base with a horizontal dimension line labeled '39' and a vertical dimension line labeled '45'.

S.I. NO	MANUFACTURER CODE	LAMP WATTAGE	DESCRIPTION
160620	673340 - SYLVANIA	70W	SHP-T, TUBULAR, CLEAR, E27
160608	672040 - SYLVANIA	400W	SHP-T, TUBULAR, CLEAR, E40
160612	673148 - SYLVANIA	100W	SHP-TS, TUBULAR, CLEAR, E40
160611	673140X - SYLVANIA	150W	SHP-TS, TUBULAR, CLEAR, E40
160605	672060X - SYLVANIA	250W	SHP-TS, TUBULAR, CLEAR, E40
160621	673135 - SYLVANIA	150W	SHP-T, TWINARC, TUBULAR, CLEAR, E40
160622	673138 - SYLVANIA	250W	SHP-T, TWINARC, TUBULAR, CLEAR, E40
160623	672035 - SYLVANIA	400W	SHP-T, TWINARC, TUBULAR, CLEAR, E40

PUBLIC LIGHTING CONSTRUCTION STANDARD					SECTION 5	SUBSECTION 1	SHEET 2		
ALTERATIONS	ORIGINAL ISSUE	DERIVED FROM PL-317			© Tasmanian Networks PTY. LTD. trading as TasNetworks ABN: 24 167 357 299			NO PART OF THIS DRAWING MAY BE REPRODUCED, STORED IN A RETRIEVAL SYSTEM IN ANY FORM, OR TRANSMITTED BY ANY MEANS WITHOUT THE PRIOR PERMISSION OF TASNETWORKS	
					TITLE		SCALE		
					PUBLIC LIGHTING COMPONENTS LAMPS HIGH PRESSURE SODIUM TUBULAR		NTS		
			PREPARED BY	MUHAMMAD QURESHI			A4		
			CHECKED BY	BABU NARAYANASAMY					
APPROVED BY	MELISSA TAYLOR					REVISION			
DATE APPROVED	31/01/2025			D - PLC - EL01 - SD - 002		A			

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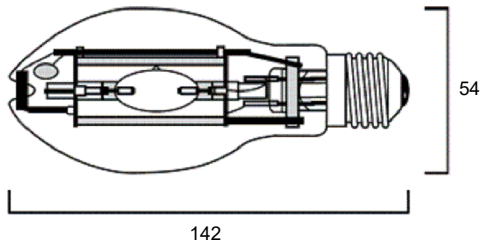
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FOR REFERENCE ONLY

HSI-MP



E27

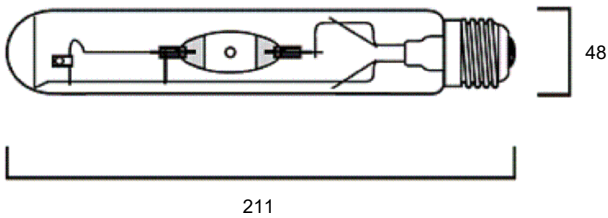
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E40

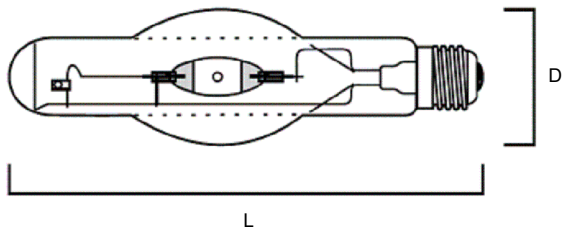
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39

CMI-TT

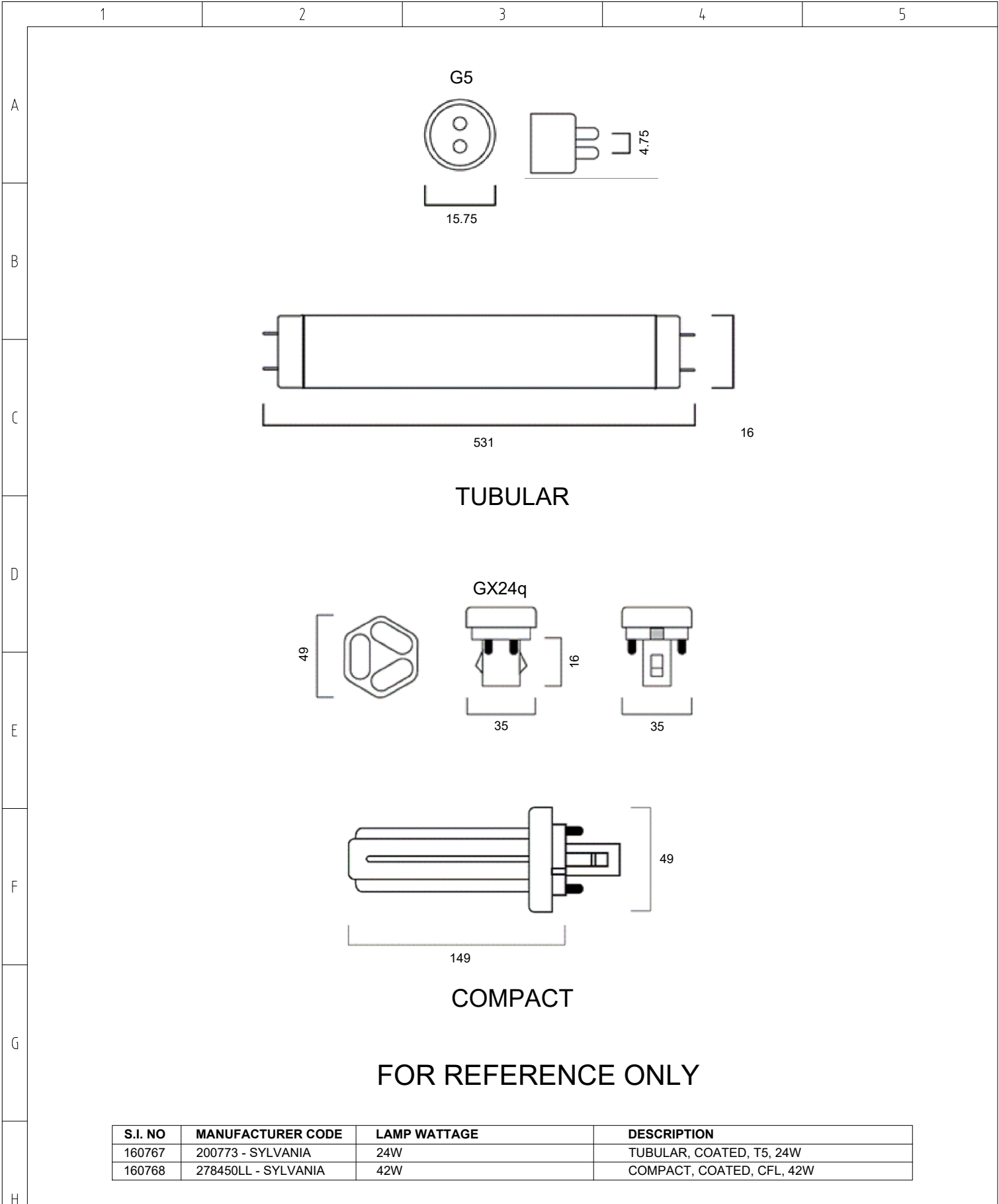


HSI-TSX



HSI-TSX	250W	400W
L	260	270
D	48	63

S.I. NO	MANUFACTURER CODE	LAMP WATTAGE	DESCRIPTION
160651	208230 - SYLVANIA	100W	HSI-MP, ELLIPTICAL, COATED, E27
160652	203367SB - SYLVANIA	150W	CMI-TT, TUBULAR, CLEAR, E40
160653	244070 - SYLVANIA	250W	HSI-TSX, TUBULAR, CLEAR, E40
160654	244090 - SYLVANIA	400W	HSI-TSX, TUBULAR, CLEAR, E40



FOR REFERENCE ONLY

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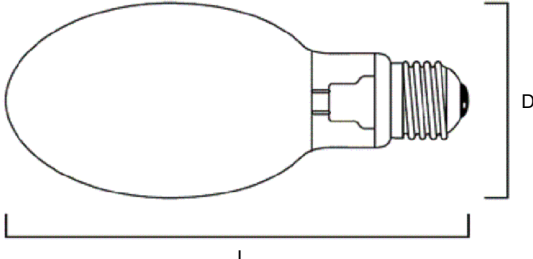
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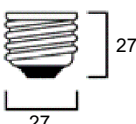
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HSL-BW

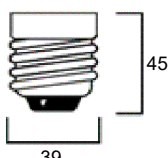


HSL-BW	50W	80W	125W	250W	400W
L	130	166	178	228	292
D	56	71	76	91	122

E27



E40



FOR REFERENCE ONLY

S.I. NO	MANUFACTURER CODE	LAMP WATTAGE	DESCRIPTION
159733	645001 - SYLVANIA	50W	HSL-BW, ELLIPTICAL, COATED, E27
159731	645002 - SYLVANIA	80W	HSL-BW, ELLIPTICAL, COATED, E27
159734	654610 - SYLVANIA	125W	HSL-BW, ELLIPTICAL, COATED, E27
159735	645003 - SYLVANIA	250W	HSL-BW, ELLIPTICAL, COATED, E40
159737	654822 - SYLVANIA	400W	HSL-BW, ELLIPTICAL, COATED, E40

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Public Lighting Construction Standard Part-II
Official