

CERTIFICATE OF COMPLIANCE

PROJECT SPECIFICATION

HEWETT ST

R3

5.1m

ARR1

1.14IOK

L14 (Nostalgia Type 1)

Sylvania Schréder

AVENUE GEN2 14W 4K

AVENUE II 4K 14W V2 210729PH

HPF (≥ 0.9)

0.06

≥0.85 lx

≥0.14 lx

≤10

≤0%

Maximum Spacing (m)

55.3

PROJECT SPECIFICATION

PATHWAY

R3

1.5m

ARR1

0.5 PATH

L14AL

Sylvania Schréder StreetLED MKIII

14W Aeroscreen Louvre

StreetLED3 14W 4K Aero LVR

220828PH2

HPF (≥ 0.9)

40.4/0.06

IP66

≥1.5 lx

≥0.25 lx

≤0%

Maximum Spacing (m)

DESIGN DOCUMENTATION IN ACCORDANCE WITH THE REQUIREMENTS OF

* Refer AS1158.1.1:2022 Appendix D for information regarding V category * Refer AS1158.3.1:2020 Appendix C for information regarding P category

CATEGORY PR5 LUMINAIRE/LAMP 1 MAXIMUM SPACING CALCS

COMPLIANCE OF AS/NZS 1158

* AGI32 computer software used

Nominated Lighting Category

INSTALLATION GEOMETRY

LUMINAIRE/LAMP 1 DETAILS

Mounting Height

Pole Setback Upcast Angle

Lighting Arrangement

Lamp Type / Wattage

Luminaire Identification

Lamp Flux (Lumens)

I-Table Number (.cie)

Start/Run Currents (Amps)

Illuminance Uniformity (U_{E2})

Average Horizontal Illuminance (Ē,)

Upward wasted light ratio (UWLR) %

Road Reserve Lighting Design Width (m)

16.5

Minimum Point Horizontal Illuminance (E_{Ph})

Power Factor

Road Surface Reflection Characteristic

Road Reserve/Path Lighting Design Width

LIGHTING CATEGORY

* PerfectLite 5.06 computer software used

!WARNING! FIRE ANT TERRITORY THIS SITE IS WITHIN A RED IMPORTED FIRE ANT BIOSECURITY ZONE. CALL 132523 FOR FURTHER INFORMATION.

CONSTRUCTION ISSUE

REFER TO PROJECT S1302372 WORKS PLANS FOR

ENERGEX WORKS PLANS.

STREET LIGHT CERTIFICATION

PLANNING SCHEME POLICY 3 AND REQUIREMENTS FOR AS/NZS 1158.1.1:2022

AND LAMPS SUPPLIED UNDER AEMO APPROVED UNMETERED SUPPLY TABLE.

INSTALLATION TO COMPLY WITH THE REQUIREMENTS OF AS/NZS 3000:2018.

THE LIGHTING DESIGN IS BASED UPON THE FOLLOWING MAINTENANCE

* LAMP REPLACEMENT AT 88000 HOURS INTERVALS INC.

* INSPECTION PATROLS & SPOT LAMP REPLACEMENT TO

KRIS BOVEINIS (RPEQ 22272)

* LUMINARIES & LAMPS TO BE REPLACED WITH EXACT

* VEGETATION TO BE KEPT CLEAR OF LUMINARIES.

MAINTAIN SERVICE AVAILABILITY AT MIN. 95%.

EQUIVALENTS. EQUIVALENTS.

STREET NAME

HEWETT ST

PATHWAY

CLEANING & INSPECTION OF LUMINAIRE EVERY 48 MONTHS.

FOR 'V' CATEGORY & AS/NZS 1158.3.1:2020 FOR 'P' CATEGORY FOR LUMINARIES

LIGHTING CATEGORY

10.12.24

- Durable and clearly visible permanently fixed weatherproof label

- Rate 3 label to be affixed to pole above Energex site ID label.

- Green back with white writing - Writing to be vertically aligned

- Text font size to be 25mm high

*EOP - Edge of Pathway *IOK - Invert of Kerb

ROAD LIGHTING CERTIFIED TO COMPLY WITH IPSWICH CITY COUNCIL

CIRCUIT NOTES

- ALL CALCULATIONS BASED ON 240V SUPPLY.
- FAULT LOOP IMPEDANCE CALCULATED USING 0.4s DISCONNECT TIME. ONLY TYPE B OR C CIRCUIT BREAKERS TO BE USED UNLESS NOTED OTHERWISE.
- CIRCUIT BREAKER SIZE (i) MINOR ROAD 10A
- (ii) MAJOR ROAD 16A Ia OF 4.5 TIMES RATED C/B CURRENT.
- INSTALLATION TO COMPLY WITH THE REQUIREMENTS OF AS/NZS 3000:2018.
- NO RCD HAS BEEN INCLUDED IN CIRCUIT DESIGN DUE TO RISK OF NUISANCE TRIPPING CAUSING DANGER GREATER THAN EARTH LEAKAGE CURRENT.

RATE 3 LED LIGHTING INFORMATION

SYLVANIA SCHREDER NOSTALGIA GEN2 14W NOSTALGIA TYPE 2, NEMA 7 PIN

DIMMABLE LUMINAIRE

DESCRIPTION: SYLVANIA SCHREDER STREETLED MKIII 14W 4K AEROSCREEN LOUVRE, NEMA 7 PIN DIMMABLE LUMINAIRE.

ORDER CODE:

RATE 3 LED LIGHTING NOTES

- DESIGNED IN ACCORDANCE WITH IPSWICH CITY COUNCIL PLANNING SCHEME POLICY 3. ALL HERITAGE & DECORATIVE POLES & OUTREACHES TO BE POWDER COATED BLACK.
- ALL HERITAGE & DECORATIVE LUMINAIRES TO BE POWDER COATED BLACK. ALL OTHER POLES & OUTREACHES TO BE GALVANISED.

CONTRACTOR TO ENSURE LUMINAIRES ARE MOUNTED WITH ZERO DEGREE TILT.

NOTES 1. All dimensions shown are in mm. Dimensions shown are minimum only. RCD protection on lighting final subcircuit not required asper Ipswich City Council risk assessment and AS3000 2.6.3.2.1 Exception 5. 4. Cable shall be a minimum of 4mm² XLPE/TPE Cu and suitable for underground installation. 5. Circuit breaker type and rating shall be determinated by the designer. Circuit breaker rating depicted on the drawings are indicative only. To be labelled as "MAIN SWICH". Include drip loops of nominal 100mm radius. Provide tag 'MAIN EARTH - DO NOT DISCONNECT". Fuse rating indicative only. Provide drip plate above the circuit breaker in the pole. 10. Use condutivity grease for screwed and bolted electrical connetions _Additional cable for To Luminaire double outreach arm. 2.5 mm² 2C+E PVC/PVC Cu —Energex Service Pillar Refer to Note 7 —Point of Supply Termination 2C 4mm² Heavy Duty 50mm Conduit Underground service. Refer to Note 4 Refer note 4. **CROSS SECTION** MOUNTING PLATE DETAIL (N.T.S) (N.T.S)

							RATE 3 UNDERGROUND CABLE S	CHEDULE					
LOCATION	OCATION STATIONS FROM-TO VOLTS EXIST TRF REC INSTALL CAB					CABLE SIZE/TYPE	MODEL ID	ROUTE LENGTH (m)	CABLE LE NEW	NGTH (m) REC	LCC	REMARKS	
HEWETT ST	11 - 11L	SL				*	4mm² 2C Cu PVC/PVC	LVC24PVPV	2	5			
	13 - 13L	SL				*	4mm² 2C Cu PVC/PVC	LVC24PVPV	2	5			
	14 - 14L1	SL				*	4mm² 2C Cu PVC/PVC	LVC24PVPV	27	30			
	14 - 14L2	SL				*	4mm² 2C Cu PVC/PVC	LVC24PVPV	32	35			
	15 - 15L	SL				*	4mm² 2C Cu PVC/PVC	LVC24PVPV	17	20			
	22 - 22L	SL				*	4mm² 2C Cu PVC/PVC	LVC24PVPV	12	15			
TOTALS		SL					4mm² 2C Cu PVC/PVC	LVC24PVPV		110			
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W2277413

4C16LV

4C16LV

632

U2277438

240LV

√Ø 4C16LV

U12737874

4C16LV

240LV

Cø

4C16LV

636

							RATE 3 UNDERGROUND CAB	LE SCHEDULE					
LOCATION	STATIONS	VOLTS	EVICT	TRF	REC	INSTALL	CABLE SIZE/TYPE	MODELID	ROUTE	CABLE LENGTH (m)		1.00	REMARKS
LOCATION	FROM-TO	VOLIS	EXIST	IIXF	I KEC	INSTALL	CABLE SIZE/TTPE	MODEL ID	LENGTH (m)	NEW	REC	LCC	REMARKS
HEWETT ST	11 - 11L	SL				*	4mm² 2C Cu PVC/PVC	LVC24PVPV	2	5			
	13 - 13L	SL				*	4mm² 2C Cu PVC/PVC	LVC24PVPV	2	5			
	14 - 14L1	SL				*	4mm² 2C Cu PVC/PVC	LVC24PVPV	27	30			
	14 - 14L2	SL				*	4mm² 2C Cu PVC/PVC	LVC24PVPV	32	35			
	15 - 15L	SL				*	4mm² 2C Cu PVC/PVC	LVC24PVPV	17	20			
	22 - 22L	SL				*	4mm² 2C Cu PVC/PVC	LVC24PVPV	12	15			
TOTALS		SL					4mm² 2C Cu PVC/PVC	LVC24PVPV		110			

U12737879 ZERO LOT

	RATE 3 UNDERGROUND CABLE SCHEDULE													
ATION	STATIONS	VOLTS	EXIST	TRF	REC	INSTALL	CABLE SIZE/TYPE	MODEL ID	ROUTE		NGTH (m)	LCC	REMARKS	
TION	FROM-TO	LVOLIO	LAIOT	1131	INLO	INTOTALL	OABLE SIZE/TITE	WODELID	LENGTH (m)	NEW	REC		TALIMATATO	
ST	11 - 11L	SL				*	4mm² 2C Cu PVC/PVC	LVC24PVPV	2	5				
	13 - 13L	SL				*	4mm² 2C Cu PVC/PVC	LVC24PVPV	2	5				
	14 - 14L1	SL				*	4mm² 2C Cu PVC/PVC	LVC24PVPV	27	30				
	14 - 14L2	SL				*	4mm² 2C Cu PVC/PVC	LVC24PVPV	32	35				
	15 - 15L	SL				*	4mm² 2C Cu PVC/PVC	LVC24PVPV	17	20				
	22 - 22L	SL				*	4mm² 2C Cu PVC/PVC	LVC24PVPV	12	15				
TOTALS		SL					4mm² 2C Cu PVC/PVC	LVC24PVPV		110				

634

												RATE	3 STREETLI	GHT S	CHEDU	JLE								
	OTAL	CITE ID	POLE or COMPONENTS						LANTERN									OUTREA	CH BRACKET		MOUNT			
LOCATION	STN No	SITE ID (POLE No)	COMP ID	EXIST (m)	REC (m)	ERECT (m)	SLM or IIN	ALIGN (m)	COMP ID	EXIST	RECO'		DATE DE- ENERG	ERE LUMIN		DATE ENERG	SLM or IIN	EXIST (m)	REC (m)	ERECT (m)	SLM or IIN	UPCAST (°)	HEIGHT (m)	REMARKS
WETT ST	11L	W12737989	PO 1			4.5BPM	SLNOS3CI	1.14IOK	SL 1					L14	IPSW	20/05/25	210729PH					0°	5.1	
	13L	W12738383	PO 1			4.5BPM	SLNOS3CI	1.14IOK	SL 1					L14	IPSW	06/06/25	210729PH					0°	5.1	
	14L1	W12737990	PO 1			4.5BPM	SLNOS3CI	1.14IOK	SL 1					L14	IPSW	20/05/25	210729PH					0°	5.1	
	14L2	W12737991	PO 1			5BPM	SB50H0I05CI	0.5 PATH	SL 1					L14AL	IPSW	20/05/25	220828PH					0°	5	MID HINGED POLE W/ LOUVRE REPLACE SHORTING CAP W/ NEMA CELL
	15L	W12737992	PO 1			4.5BPM	SLNOS3CI	1.14IOK	SL 1					L14	IPSW	20/05/25	210729PH					0°	5.1	
	22L	W12737993	PO 1			4.5BPM	SLNOS3CI	1.14IOK	SL 1					L14	IPSW	20/05/25	210729PH					0°	5.1	

RATE 3 STREET LIGHT CONNECTION

DATE	11.10.24	18.11.24	10.12.24		
7	COUNCIL	ENERGEX	NO	PE	CONSULTII ENGINEE
DESCRIPTION	ISSUED FOR ACCEPTANCE	ISSUED FOR ACCEPTANCE	ISSUED FOR CONSTRCUTI	Street address Postal address Telephone Email Web	U14, 39 Lawrence Dr, Nerang QLD PO Box 2835, Nerang DC QLD 421 (07) 5596 1425 mail@pece.com.au pece.com.au
R	⋖	В	U		•

S	NORTH
	24-0420- R3 - 01

SITE CONTACT DETAILS	COUNCIL STAN	DARD ALIGNMENTS	WORKS COORDINATOR	PECE	APPROVED	KRIS BOVEINIS	PECE	WORKSPLAN VERSION 5.5
NAME	Energex OH	2.95m RP	PARENT PROJECT NO.		AFFROVED	KKIS BOVEINIS	PEGE	SCALE: 1:500@A1
TBC	Energex UG	0-0.9m RP	WORK REQUEST NO.		CHECKED	AARON PRUSS		PROJECT / SUB PROJECT NO.
COMPANY	NBN	REFER NBN	LOTS	837 - 856	CHECKED	AARON PRUSS	RATE 3 PUBLIC LIGHTING	
-	GAS	REFER GAS			DESIGNER	ANTHONY JOWETT		
PHONE -	HP GAS	REFER GAS	CANCELLING LOTS	LOT 4 ON SP343791	PHONE	(07) 5596 1425		S1330004
MOBILE -	WATER	REFER CIVIL			PLANNER	ANTHONY JOWETT	20 LOT SUBDIVISION	
FAX -	STORMWATER	REFER CIVIL	LOCAL AUTHORITY	IPSWICH CITY COUNCIL	PHONE	(07) 5596 1425	DAWN ESTATE - NE LOTS	
	SEWERAGE	REFER CIVIL	UBD REF		ISSUE DATE	10 DECEMBER 2024	LAWSON ST, WALLOON QLD 4306	Sheet 1 of 1
	OTHER	REFER CIVIL	PEGGED?		1350E DATE	10 DECEMBER 2024		ISSUE NO: C

SYMBOL LEGEND
PROPOSED 50mm S/L
PROPOSED 50mm S/L (RATE 3)
PROPOSED ENERGEX 100mm COMMS
PROPOSED 100mm
PROPOSED 125mm
EXISTING 40mm S/L
EXISTING ENERGEX 100mm COMMS

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() EXISTING 100mm \otimes EXISTING 125mm

PROPOSED CABLE (AS MARKED) EXISTING CABLE (AS MARKED)

PROPOSED UNDERGROUND HV/LV ROUTE EXISTING UNDERGROUND HV/LV ROUTE

HV/LV ROUTE

PROPOSED OVERHEAD HV/LV ROUTE EXISTING OVERHEAD

Сø

639

4C16LV

U12737873

----- PROPOSED S/L CABLE

-·-·- EXISTING S/L CABLE PADMOUNT TRANSFORMER

PMT LV GEOGRAPHIC PMT HV GEOGRAPHIC

RING MAIN UNIT RMU HV SCHEMATIC ■ PROPOSED SUPPLY PILLAR

EXISTING SUPPLY PILLAR

PROPOSED LINK PILLAR EXISTING LINK PILLAR

COMMERCIAL PILLAR PROPOSED TYPE 4 PIT

EXISTING TYPE 4 PIT

RECOVER EQUIPMENT

11kV STRAIGHT JOINT OVERHEAD POLE TRANSFORMER

OVERHEAD POLE (HV ONLY) OVERHEAD POLE (LV ONLY)

OVERHEAD POLE (HV & LV) OVERHEAD HV TERMINATION

OVERHEAD LV TERMINATION AIR BREAK SWITCH (OPEN)

AIR BREAK SWITCH (CLOSED) DISCONNECT LINKS (OPEN) —)(DISCONNECT LINKS (CLOSED)

w w WATER METER × SURVEY PEG

X STATION NUMBER STREET LIGHT SYMBOL LEGEND

PROPOSED AVENUE GEN2 L14 4K (RATE 3)

PROPOSED STREETLED L14A LOUVERED (RATE 3) ○—**②**A EXISTING AVENUE GEN2 L14 4K (RATE 3)

AS CONSTRUCTED

ATE: 10/06/2025

左AST **C**OAST ELECTRICAL QUEENSLAND