

DATE

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ISSUE

AMENDMENT

NOTES

- TO BE READ IN CONJUNCTION WITH TRANSLINK DRAWINGS.
- SHELTER) OR TRANS1000-AD-001 (AD BOX SHELTER)
- ADVICE.
- 600 MIN. COVER TO CONDUITS.
- CONCRETE HARDSTANDS TO BE CONSTRUCTED TO BSD-2104.
- POINT OF SUPPLY PRIORITY:
- (ELECTRICITY POWER/LIGHT POLE) 1 FP/FIP (ELECTRICITY PILLAR) 2 FPII
- 3. EPIT (ELECTRICITY No.4 PIT
- 4. LP (STREET LIGHT POLE)

- TGSIs
 - a. IVORY, COOL GREY, GREY, SILVER OR STAINLESS STEEL
 - b.

 - h LONGER THAN 6 MONTHS
 - COLOUR AND LUMINANCE (SEE a).
- ALL DIMENSIONS ARE IN MILLIMETERS (U.N.O.).

LIGHTING NOTES:

- RECOGNITION SCHEME
- IMPACT ON THE ADJACENT TRAFFIC
- LUMINAIRE IS TO BE PRE-WIRED INTO THE SHELTER.
- POSITION THAT WILL NOT BE IMPACTED BY LIGHTING IN THE PROXIMITY.
- RENDERING INDEX (CRI) Ra ≥80.
- LUMINOUS FLUX MEASUREMENTS ACCORDING TO CIE S 025/E (OR IES LM-79).

TABLE 1: LED LUMINAIRES EFFICACY REQUIREMENTS

DIRECTIONAL & DIRECTIONAL L ≥65 lm/W EFFICACY (PRIOR TO 31/12 ≥85 lm/W (FROM 01/01/20

SUPERSEDES UMS-277

- TRANSLI BUS TYPIC
- SURFACE INDICATORS AS PER AS1428.4.1

SHELTERS TO BE CONSTRUCTED AND INSTALLED TO TRANSLINK DRAWINGS TRANS1000-NON AD-001 (NON-AD BOX

MINIMUM CLEAR ACCESS OF 1.2m REQUIRED BETWEEN ALL INFRASTRUCTURE PAST ALLOCATED WHEELCHAIR SPACES. WHERE BUS STOP BOARDING SLAB HAS A CROSSFALL GREATER THAN 1 in 40 (IN BOTH DIRECTIONS) OR VERGE IS LESS THAN MINIMUM WIDTH SHOWN. REFER TO BRISBANE CITY COUNCIL PUBLIC TRANSPORT FACILITIES FOR DDA COMPLIANCE

THE ALIGNMENT AND DEPTHS OF EXISTING SERVICES SHALL BE PROVEN ON SITE PRIOR TO ANY EXCAVATION. CONTACT "DIAL BEFORE YOU DIG" ON TEL. NO. 1100 FOR THE LOCATION OF SERVICE AUTHORITY ASSETS.

WHERE PLANTINGS ARE PROVIDED, USE ONLY GROUND COVER OR LOW SHRUBS (<0.5m HIGH). TREES FOR SHADE SHOULD BE LONG-TRUNKED WITH MINIMUM BRANCH HEIGHT OF 4.5m. PLANTINGS SHOULD NOT OBSTRUCT LINE OF SIGHT BETWEEN APPROACHING VEHICLES AND LIGHT BOX DISPLAY. (PUBLIC TRANSPORT TO APPROVE LAYOUT).

REFER TO BSD-5202 FOR EXPANSION JOINT (EJ) AND CONTRACTION OR SHRINKAGE CONTROL JOINT (CJ) CONSTRUCTION DETAILS. LOCATION ON DRAWING IS INDICATIVE ONLY AND TO BE CONFIRMED BY THE SUPERINTENDENT ON SITE.

PREFERRED TGSI COLOUR IS BLACK. LUMINANCE CONTRAST BETWEEN TGSI AND PAVEMENT MUST BE AT LEAST 30%. IF THIS CONTRAST IS NOT POSSIBLE USING BLACK, AN ALTERNATIVE COLOUR FROM THE FOLLOWING MAY BE USED:

FOR STATIONS AND HIGH-PATRONAGE STOPS, CERAMIC (OR SIMILAR) TGSI TILES MUST BE USED.

A PURPOSE-DESIGNED 'PATHFINDING' SYSTEM MAY BE USED AS AN ALTERNATIVE TO TGSIS.

TACTILE MAT (POLYURETHANE OR SIMILAR) TGSIS MAY ONLY BE USED AT TEMPORARY BUS STOPS, AND FOR NO

TEMPORARY TACTILE MAT (POLYURETHANE OR SIMILAR) TGSIS MAY BE USED ON SERVICE PIT LIDS ON WHICH CERAMIC (OR SIMILAR) TILES CANNOT BE USED. THE MAT MUST MEET THE SPECIFICATIONS FOR CONTRASTING

L1. ILLUMINATION WITH THE BUS SHELTER TO COMPLY WITH AS1158.3.1 - LIGHTING FOR ROADS AND PUBLIC SPACES - PART 3.1 -PEDESTRIAN AREA (CATEGORY P) LIGHTING - PERFORMANCE AND DESIGN REQUIREMENTS SUB CATEGORY P6. THE LUMINAIRE DISTRIBUTOR SHOULD ALSO SUPPLY PHOTOMETRIC DATA (IN IES AND/OR CIE FORMAT) FROM A NATA ACCREDITED LABORATORY OR A LABORATORY. WHOSE ACCREDITATION IS RECOGNISED BY NATA UNDER THE MUTUAL

LUMINAIRE/LIGHT IS TO BE POSITIONED AT THE FRONT OF THE SHELTER FROM THE ROOF. LIGHTING IS TO NOT ADVERSELY

SWITCHBOARD FOR THE SHELTER IS TO BE LOCATED IN THE REAR POST. PE CELL IS TO BE LOCATED ON THE SAME POST IN A

LIGHT SOURCE IS TO BE LED TECHNOLOGY WITH A CORRELATED COLOUR TEMPERATURE (CCT) OF 4000K AND A COLOUR

LED LUMINAIRES OR LAMPS USED FOR BRISBANE CITY COUNCIL SHALL COMPLY WITH THE FOLLOWING MINIMUM ENERGY PERFORMANCE STANDARDS (MEPS) EFFICACY REQUIREMENTS. THE EFFICACY CALCULATION SHALL BE BASED ON INITIAL

LED L	AMPS	LED LUMINAIRES (SMALL)	LED PLANAR, BATTENS & TROFFERS	
& NON- _AMPS	LINEAR LED (TUBE)	LUMINOUS FLUX ≥100 lm & <2,500 lm		
	≥100 lm/W	≥65 lm/W	≥90 lm/W	
2/2019)	(PRIOR TO 31/12/2019)	(PRIOR TO 31/12/2019)	(PRIOR TO 31/12/2019)	
	≥110 lm/W	≥85 lm/W	≥110 lm/W	
2020)	(FROM 01/01/2020)	(FROM 01/01/2020)	(FROM 2020)	

BRISBANE CITY COUNCIL STANDARD DRAWING

NK STANDARD
SHELTER
AL LAYOUT

NOT TO SCALE

BSD-2109				
L SIZE	REVISION			
Δ 3	C			

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