

**LIGHTING AND LANTERN DETAILS:**

TWO 150 WATT CERAMIC DISCHARGE METAL HALIDE LANTERNS SHOULD BE PROVIDED AT THE CROSSING. THE LANTERNS SHOULD GIVE AN ASYMMETRIC DISTRIBUTION, WHERE THE PEAK BEAM IS DIRECTED TO PRODUCE A BRIGHT BAND OF LIGHT ACROSS THE ROAD.

**OPTICAL UNIT:**

SEALED TO IP66 AS DEFINED IN EN 60598 AND GARANTEED AGAINST THE INGRESS OF DUST AND MOISTURE FOR A PERIOD OF 13 YEARS.

DEEP BOWL POLYCARBONATE PROTECTOR INCORPORATING INTERNALLY PAINTED DIFFUSER STRIPS WITH ALTERNATE RED AND WHITE PANNELLING.

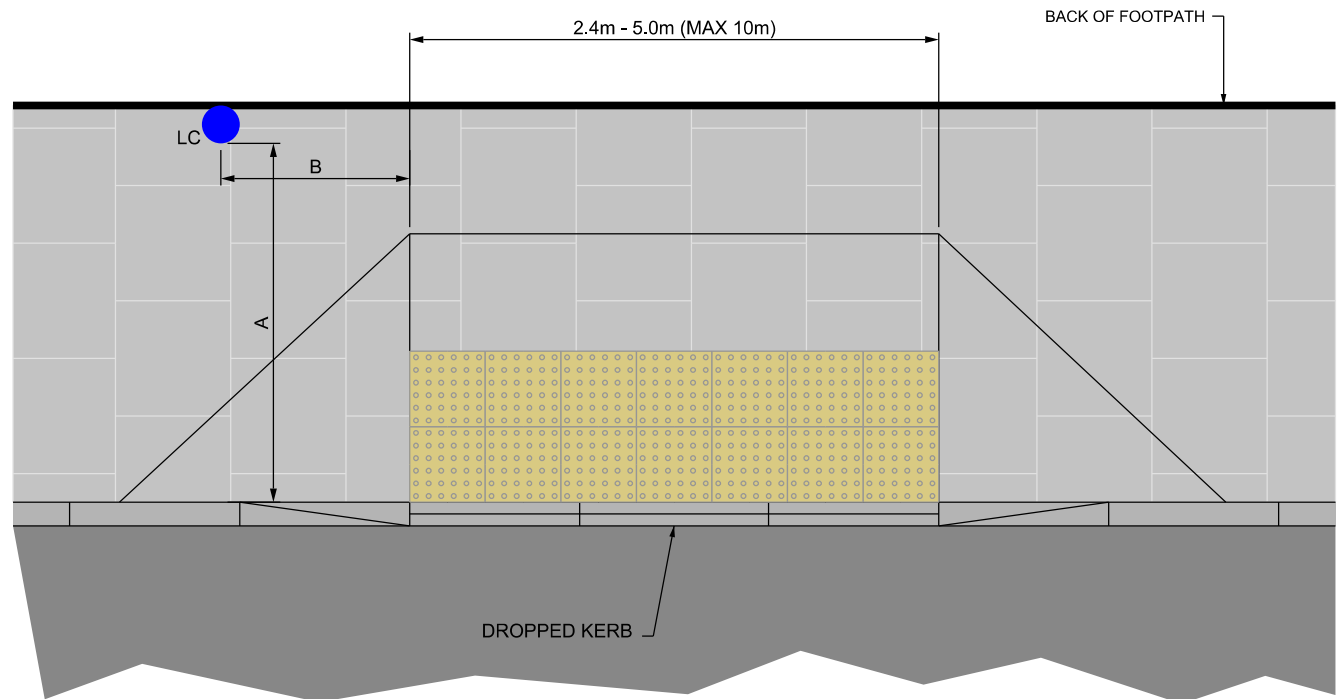
REFLECTOR TO BE FORMED OF HIGH PURITY ALUMINIUM, PERMANENTLY BONDED TO THE DEEP BOWL PROTECTOR AND SHALL GIVE AN ASYMMETRIC DISTRIBUTION, WHERE THE PEAK BEAM OF THE LANTERN IS DIRECTED TO PRODUCE A BRIGHT BAND OF LIGHT ACROSS THE ROAD.

BODY TO BE HIGH PRESSURE DIE-CAST ALUMINIUM WITH A RAL 3020 STOVED POLYESTER PAINTED FINISH, WHICH WITHSTANDS THE STANDARD CROSS CUT TESTS AS DEFINED IN EN ISO 2409 AND BS 3900.

CANOPY TO BE LIGHT GREY, TWO-PIECE MOULDED POLYPROPYLENE CANOPY, WITH A BLACK HINGED JOINT RESISTANT TO U.V. RADIATION AND AGING, AND SHALL PROTECT THE INTERIOR TO A RATING OF IP43. MOVEABLE PART OF CANOPY SHALL BE SECURED IN CLOSED POSITION BY MEANS OF TWO STAINLESS STEEL CLIPS.

A NEMA SOCKET SHALL BE FITTED TO THE CANOPY USING A WATERTIGHT GASKET AND 4 NON-CORRODIBLE SCREWS AND SHALL BE WIRED TO LANTERN CONTROL GEAR.

AN INTERGRAL CONTROL GEAR SHALL BE USED, WITH SELF-RESETTING THERMAL CUT-OUT FITTED IN THE BALLAST, AND A TIMED CUT-OUT IGNITER.



**LEGEND:**



CARRIAGEWAY



BUFF TACTILE BLISTER PAVING (400x400mm)



FOOTPATH



CROSSING SPECIFIC LIGHTING COLUMN TO BE LOCATED AT REAR OF FOOTPATH, TO MAXIMISE FOOTPATH WIDTH AVAILABLE, IF SPECIFIC LIGHTING REQUIRED.



KERBLINE

**NOTES:**

1. SPECIFIC LIGHTING MAY BE REQUIRED AT TIMES FOR UNCONTROLLED CROSSINGS, REF DN\_LHT\_03038 SECTION 5.8.2
2. LIGHTING COLUMN POSITION DISTANCE B DEPENDS ON WIDTH OF FOOTPATH A
3. FOR TACTILE PAVING DETAILS REFER TO CC-SCD-05136.
4. DROPPED KERBS MUST BE LAID FLUSH WITH CARRIAGEWAY SURFACE, WITH AN ABSOLUTE MAXIMUM UPSTAND OF 6mm.



Construction & Commissioning

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LIGHTING DETAIL AT UNCONTROLLED CROSSINGS

ACTIVITY

STREAM

STANDARD CONSTRUCTION DETAIL (SCD)

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