Street Lighting
Material Catalogue
VENTED FINIAL

APPROX. 940mm

WHITE ACRYLIC FINISH

88.9mmØ TENON

WEIGHT (kg) | EPA (m³)
--- | ---
16.3 | 0.16
**FRONT VIEW**

- APPROX 100mm
- APPROX 600mm

**SIDE VIEW**

- APPROX 800mm
- APPROX 100mm
- 60mm Ø x 115mm TENON
APPROX 300mm @ 0° TILT
APPROX 570mm @ 45° TILT

APPROX 940mm

ATTACHES TO A 50mm HORIZONTAL TENON

WEIGHT (kg) EPA (m³)
23 0.19

THE CITY OF CALGARY
ROADS

MONGOOSE STYLE LUMINAIRE

DESKTOP: 454.0L73.030

DRAWING NO.

Issue
Revision
Issue Date

DES: DB
DWN: JA (2015-02-10)
SCALE: NOT TO SCALE

07-AUG-2015 08:58
Q:\streetlight\spec_sheets\2015\decorative fixture Developers Choice\Mongoose\Mongoose.png
65mm ID x 100mm SLIP FITTING FOR TENON SECURED TO TENON WITH 7.93mm-18UNC SOCKET HEAD STAINLESS STEEL BOLTS

<table>
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<th>WEIGHT (kg)</th>
<th>EPA (m²)</th>
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NOTE
1. THIS IS THE PREFERRED DESIGN BUT OTHER ALTERNATIVES MAY BE CONSIDERED.
2. BIDDER TO PROVIDE DIMENSIONS
3. MUST BE COMPATIBLE WITH McKENZIE TOWNE STYLE POLE AND SWEEP SHAFT ARM OR TRADITIONAL STYLE ARM
LED VOLUNTEER WAY LUMINAIRE
ROADWAY

<table>
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<tr>
<th>WEIGHT (kg)</th>
<th>EPA (m²)</th>
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FOR INFORMATION ONLY
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<th>WEIGHT (kg)</th>
<th>EPA (m²)</th>
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<td>13.6</td>
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FOR INFORMATION ONLY

LED VOLUNTEER WAY LUMINAIRE
WALKWAY

THE CITY OF
CALGARY
ROADS

DES: DB (2016-03-02)
DWN: JA (2016-03-02)
SCALE: NOT TO SCALE
DRAWING No.: -
SHEET: -
25 mm - 45° CHAMFER
VERTICALS
10M TIES
LIFT EYE
SEE DETAIL "A"

"V" GROOVE DRAIN TO START AT ZERO DEPTH AND WIDTH IN THE CENTRE OF THE BASE AND EXTEND TO A 10mm DEPTH AND WIDTH AT THE OUTSIDE EDGE

CONCRETE BASE
8 mm GALV. STEEL ROPE C/W 10M REBAR 150 mm LONG LOOVED AND TIED

DETAIL "A"
2 NUTS
1 FLAT WASHER

ANCHOR BOLT DETAIL
25 mm DIA ANCHOR BOLT

LIFT EYE
SEE DETAIL "A"

DUCT CHASE SHALL BE 1-100 mm OD IPEX PVC DB2, FOLLOWING REMOVAL OF THE BASE FROM THE FORM AND PRIOR TO SHIPMENT, THE MATERIAL FORMING THE DUCT CHASE SHALL BE CUT BACK AT THE BOTTOM OPENING IN THE SIDE OF THE BASE. ANY SHARP EDGES SHALL BE GROUND SMOOTH AROUND THE PERIMETER OF THE DUCT CHASE.

6-10M VERTICALS
LIFT EYE

ALL ANCHOR BOLT COMPONENTS TO BE GALVANIZED TO CSA G154

ANCHOR BOLT

STOCK NUMBER 139575
REFERENCE SPECIFICATION 355-3FT4-001

NOTES
- DESIGNED TO THE REQUIREMENTS OF THE
CAN/CSA/S6-06 (CANADIAN HIGHWAY BRIDGE DESIGN CODE) AND THE CITY OF CALGARY - DESIGN
GUIDELINES FOR BRIDGES AND STRUCTURES, FOURTH EDITION 2013 (APPENDIX A1)
- TOP OF CONCRETE BASE TO BE SMOOTH AND LEVEL
- REINFORCING STEEL TO CSA STANDARD G30.12,
GRADE 400W. VERTICAL BARS SHALL BE EQUALLY SPACED AROUND PERIMETER OF CAGE.
- TIES SHALL BE TIED OR TACK WELDED IN ACCORDANCE WITH CSA STANDARD
W186-M1990
- MINIMUM CONCRETE COVER TO VERTICAL REINFORCING STEEL SHALL BE 70mm UNLESS OTHERWISE NOTED
- CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRRESSIVE STRENGTH OF 35 MPa AND MEET SPECIFICATION REQUIREMENTS
- ANCHOR BOLTS SHALL CONFORM TO ASTM A325 OR AISI 4140 (GRADE 141) AND BE PROVIDED COMPLETE WITH NUTS AND WASHERS AS INDICATED

2013 ISSUE UPDATE (INFORMATION ONLY) 2013-11-22
2009 ISSUE UPDATE (INFORMATION ONLY) 2009-10-28

For General Manager Calgary Roads

TYPE 'B' ROUND PRECAST CONCRETE BASE

DES: ARA  SCALE: NOT TO SCALE  DRAWING No. 454.2001.003  ISSUE 4  SHEET 3
VERTICALS
25 mm - 45° CHAMFER
8-10M TIES
LIFT EYE
SEE DETAIL "A"
CONCRETE BASE
8 mm GALV. STEEL ROPE
C/W 10M REBAR 150 mm
LONG LOOPED AND TIED

"V" GROOVE DRAIN TO START AT ZERO DEPTH AND WIDTH IN THE CENTRE OF THE BASE AND EXTEND TO A 10mm DEPTH AND WIDTH AT THE OUTSIDE EDGE

DETAIL "A"

8-10M TIES
25 mm - 45° CHAMFER
LIFT EYE
SEE DETAIL "A"

2 NUTS
1 FLAT WASHER
25 mm DIA ANCHOR BOLT

ANCHOR BOLT COMPONENTS TO BE GALVANIZED TO CSA G164

NOTES
- DESIGNED TO THE REQUIREMENTS OF THE CAN/CSA/S6-06 (CANADIAN HIGHWAY BRIDGE DESIGN CODE) AND THE CITY OF CALGARY - DESIGN GUIDELINES FOR BRIDGES AND STRUCTURES, FOURTH EDITION 2013 (APPENDIX A1)
- TOP OF CONCRETE BASE TO BE SMOOTH AND LEVEL
- REINFORCING STEEL TO CSA STANDARD G30.12, GRADE 400W. VERTICAL BARS SHALL BE EQUALLY SPACED AROUND PERIMETER OF CAGE

STOCK NUMBER
139576
REFERENCE SPECIFICATION
355-3F74-001

- TIES SHALL BE TIED OR TACK WELDED IN ACCORDANCE WITH CSA STANDARD W186-M1990
- MINIMUM CONCRETE COVER TO VERTICAL REINFORCING STEEL SHALL BE 70mm UNLESS OTHERWISE NOTED
- CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 35 MPa AND MEET SPECIFICATION REQUIREMENTS
- ANCHOR BOLTS SHALL CONFORM TO ASTM A325 OR AISI 1410 (GRADE 141) AND BE PROVIDED COMPLETE WITH NUTS AND WASHERS AS INDICATED

ANCHOR BOLT DETAIL

NUT AND WASHER/TACK WELDED TO ANCHOR BOLT (AS SHOWN) OR INTEGRATED/FORGED HEX HEAD

TYPE 'C' ROUND PRECAST CONCRETE BASE

THE CITY OF
CALGARY
ROADS
BOLT CIRCLE DIAMETER:
396mm Ø

BOLT SQUARE DIMENSION:
281mm

DUCT TO EXTEND MINIMUM 40mm ABOVE TOP OF CONCRETE

SECTION A-A

TYPE 'D' BASE DETAIL FOR
20 METRE STEEL DAVIT POLE

THE CITY OF
CALGARY
ROADS

DES: HC (2015-07-14)  SCALE: NOT TO SCALE
DWN: JA (2015-07-14)  DRAWING No. 454.2002.001

3 2015 ISSUE UPDATE (INFORMATION ONLY)  2015-07-14
2 2008 ISSUE UPDATE (INFORMATION ONLY)  2008-06-01
1 2004 ISSUE UPDATE (INFORMATION ONLY)  2004-02-13

600
310 (TYPICAL)

150 ±50
750

2500

125
50

200

155
7.8m DOUBLE DAVIT McKENZIE TOWNIE STYLE POLE
INSTALLATION DETAILS

DEPARTMENT
THE CITY OF
CALGARY
ROADS

DES: HC (2015-07-27)
DWN: JA (2015-07-30)
NOT TO SCALE

SCALE: 454.2047.002

DRAWING No.

TYPE 'B' CONCRETE BASE

POLE BASE PLATE

280 B.C.D.

29mm x 40mm SLOTTED BOLT HOLES

HANDBOKE COVER
FUSE HOLDERS

0.254m

STRAIGHT STYLE SHAFT

TRADITIONAL STYLE ARM

NEW SPEC. STYLE LUMINAIRE

OLD SPEC. STYLE 150W HPSV TRADITIONAL TEAR DROP SHOWN FOR REFERENCE ONLY THIS FIXTURE IS DISCONTINUED

DECORATIVE FINIAL

7.8m DOUBLE DAVIT McKENZIE TOWNIE STYLE POLE
INSTALLATION DETAILS

0.254m

POLE BASE PLATE

29mm x 40mm SLOTTED BOLT HOLES

HANDBOKE COVER
FUSE HOLDERS

STRAIGHT STYLE SHAFT

TRADITIONAL STYLE ARM

NEW SPEC. STYLE LUMINAIRE

OLD SPEC. STYLE 150W HPSV TRADITIONAL TEAR DROP SHOWN FOR REFERENCE ONLY THIS FIXTURE IS DISCONTINUED

DECORATIVE FINIAL

7.8m DOUBLE DAVIT McKENZIE TOWNIE STYLE POLE
INSTALLATION DETAILS

0.254m

POLE BASE PLATE

29mm x 40mm SLOTTED BOLT HOLES

HANDBOKE COVER
FUSE HOLDERS

STRAIGHT STYLE SHAFT

TRADITIONAL STYLE ARM

NEW SPEC. STYLE LUMINAIRE

OLD SPEC. STYLE 150W HPSV TRADITIONAL TEAR DROP SHOWN FOR REFERENCE ONLY THIS FIXTURE IS DISCONTINUED

DECORATIVE FINIAL
16 AVENUE SINGLE TRUSS POLE
INSTALLATION DETAILS

FOR INFORMATION ONLY

TYPE 'D' CONCRETE BASE

POLE BASE PLATE

Ø 60.3mm

0.25m

0.66m

0.85m

0.85m

2.5m

0.35m

11.0m

0.35m

0.85m

0.35m

396 B.C.D.

11.0m

280

280

406
**NOTE:**

1. ONLY NEW ORDER 12m ROUND STEEL POLES (2003 OR LATER) WILL MOUNT ON TYPE C BASES.

2. FOR POLES SUPPLIED 2002 AND EARLIER A SPECIAL BASE IS REQUIRED.
8.2 METRE STRAIGHT STEEL POLE INSTALLATION DETAILS

THE CITY OF CALGARY
ROADS

DES: HC (2015-07-14) SCALE: NOT TO SCALE DRAWING No.: 454.2048.001 SHEET: -

29mm x 40mm SLOTTED BOLT HOLES

280 B.C.D.

POLE BASE PLATE

TYPE 'B' CONCRETE BASE

HANDHOLE COVER FUSE HOLDERS

STRAIGHT STYLE SHAFT

114mmØ PIPE CAP

LUMINAIRE ARM

LUMINAIRE

2.54m

0.24m

8.2m

0.254m
9m/2.5m SINGLE DAVIT POLE
INSTALLATION DETAILS

LUMINAIRE MOUNTING DETAIL

ONE PIECE POLE

HANDHOLE COVER
FUSE HOLDERS

TYPE 'B' CONCRETE BASE

279 B.C.D.

19mm THICK PLATE

POLE BASE PLATE

DAVIT POLE ARM

MOUNT LEVEL

SIDE VIEW

LUMINAIRE

60mm Ø x 203mm TENON

LUMINAIRE

MOUNT LEVEL

2.5m
9m / 2.5m DOUBLE DAVIT POLE
INSTALLATION DETAILS

LUMINAIRE MOUNTING DETAIL

ONE PIECE POLE

SLIP-FIT CONNECTION

HANDHOLE COVER
FUSE HOLDERS

TYPE 'B' CONCRETE BASE

POLE BASE PLATE

19mm THICK PLATE

279 B.C.D.

198

202
15m/2.5m SINGLE DAVIT POLE
INSTALLATION DETAILS

FOR INFORMATION ONLY

THE CITY OF CALGARY
ROADS

DES: HC (2015-07-27)
DWN: JA (2015-07-31)

SCALE: NOT TO SCALE
DRAWING No.: 454.2054.003
SHEET: -
15m/2.5m DOUBLE DAVIT POLE
INSTALLATION DETAILS

- 60mm Ø x 203mm TENON
- LUMINAIRE ARM
- SLIP-FIT CONNECTION
- SHAFT
- HANDHOLE COVER FUSE HOLDERS
- TYPE 'C' CONCRETE BASE

- MOUNT LEVEL
- DAVID POLE ARM
- SIDE VIEW
- LUMINAIRE
- LUMINAIRE MOUNTING DETAIL
- POLE BASE PLATE

THE CITY OF
CALGARY
ROADS
20m/2.5m DOUBLE DAVIT POLE
INSTALLATION DETAILS

DES: HC (2016-07-27)
DWN: JA (2015-07-31)

THE CITY OF
CALGARY
ROADS

SCALE: NOT TO SCALE
DRAWING No.: 454.2057.003

- 

60mm Ø x 203mm TENON
LUMINAIRE

LUMINAIRE ARM

SLIP-FIT CONNECTION
450mm ± 150mm

MID SHAFT SECTION

SLIP-FIT CONNECTION
650mm ± 150mm

BOTTOM SHAFT SECTION

HANDHOLE COVER
FUSE HOLDERS

TYPE 'D' CONCRETE BASE

POLE BASE PLATE

396 B.C.D.
5m FIBREGLASS WALKWAY POLE
INSTALLATION DETAILS

FOR INFORMATION ONLY

Pole
RT35-16-AB-BLK

TENON
76.2mm x 66.04mm ID
69.9mm EXPOSED

Hand Hole
101.6mm x 152.4mm
WITH COVER

Anchor Base
279.4mm x 279.4mm PLATE
279.4mm BOLT CIRCLE

Pole Base Plate
292mm

Type 'B' Concrete Base

258mm

29mm x 40mm SLOTTED BOLT HOLES

280mm B.C.D.
NOTES:

1) THE UPSWEEP MUST BE CAPABLE OF HOLDING A LUMINAIRE WEIGHING 27 KILOGRAMS AND HAVING A PROJECTED AREA OF 0.23 SQUARE METERS.
2) THE ENTIRE UPSWEEP SHALL BE HOT DIP GALVANIZED, AND MUST NOT EXCEED 15 KILOGRAMS IN WEIGHT.
3) ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.

FOR INFORMATION ONLY

2.4 METRE UPSWEEP INSTALLATION DETAILS

DES: HC (2015-08-13)
DWN: LG (2015-08-13)
NOT TO SCALE
454.2039.001
8.4 Ø AIRCRAFT CABLE LIFTING LOOP

FIBRE REINFORCING:
GRACE STRUX 90/40
@ 2.3 kg/m³

12 CHAMFER

1 PLINTH SECTION

PLAN OF PLINTH

4 - 64 x 125 VOIDS (METAL/PLASTIC) ON 330 (13") B.C.D.

102 Ø IPS CENTRE VOID (METAL/PLASTIC)

FOR INFORMATION ONLY

PRECAST PLINTH
TYPE 2 - 13" B.C.D.