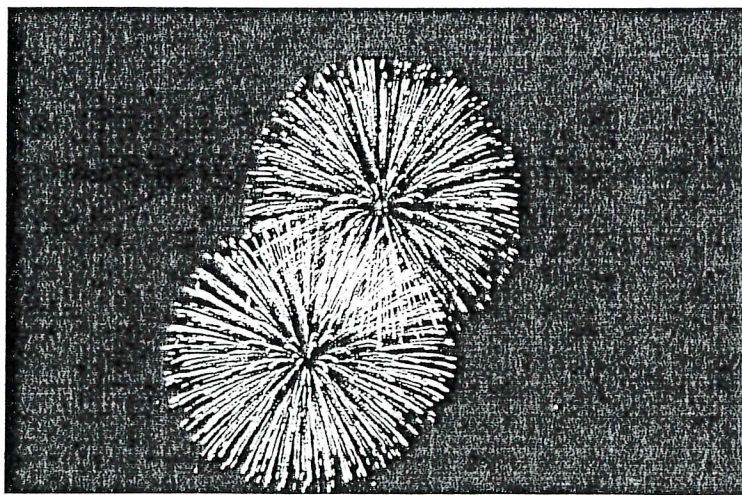


"Light Standard 2007"
City of Napavine



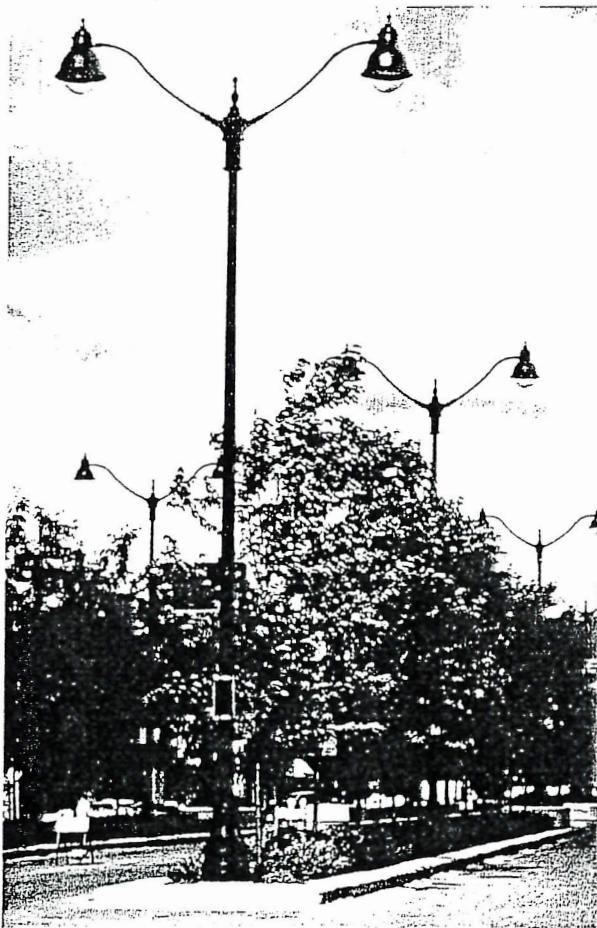
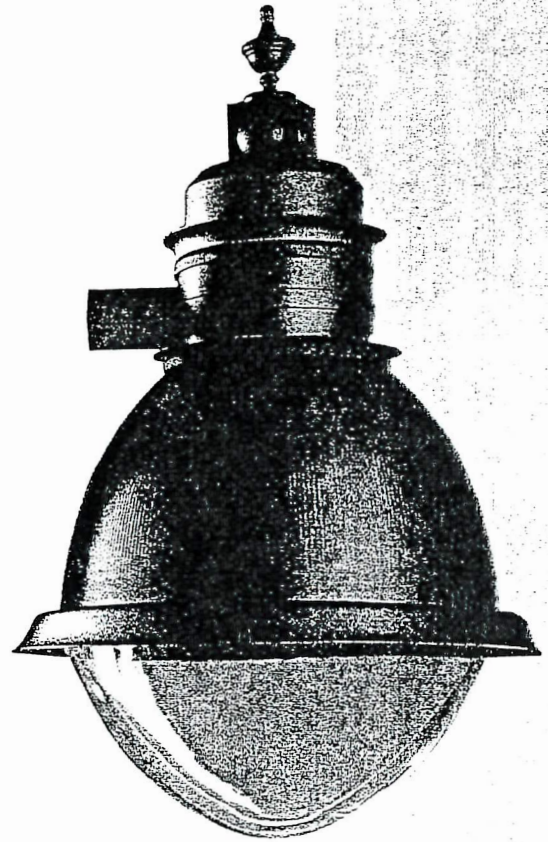


DECORATE STREET LIGHT

12/22/05
Approved by SA

VG

VillageMaster™ Series Fixtures



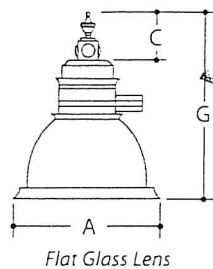
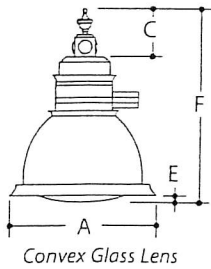
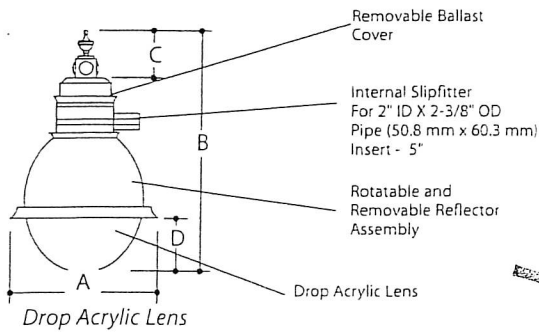
**High Efficiency
Luminaires**

High Performance
Area Lighting
Roadway Lighting
Historical Appeal
"Dark Sky" Cutoff Optics

METROLUX™

Roadway Lighting Solutions

Dimensions



DIMENSIONS

A	29.00" dia. (736.6mm)	E	2.00" (50.37mm)
B	45.60" (1158mm)	F	37.00" (939.8mm)
C	9.46" (240.28mm)	G	35.00" (889mm)
D	10.60" (266.7mm)		

MAX WEIGHT - 75 lbs. (34 kg.)

PROJECTED AREA - (EPA)
2.8 Ft² (.26m²)



Creating a Catalog Number for the VillageMaster™ VG-25

For each category in the table below, fill in the Catalog Number for each component or option desired.

Ordering Example:

VG25 - VS - CG - MH400 - 120 - SL - HSS - FD
1 2 3 4 5 6 7 8

1. Luminaire

VG-25

2. Distribution

V VS VR VF 1 3

3. Optical

DA Drop Acrylic (Thru 450W) CG Convex Glass
 FG Flat glass

4. Lamp type & Wattage

MH 250 MH 400 MHP 450 MH 750 MH 875
 MH 1000
 MHP-Pulse Start HPS260
 HPS 250 HPS 310 HPS 400 HPS 600 HPS 750
 HPS 1000

5. Ballast Voltage

120 208 240
 277 347 480

6. Color

BK Black - Standard Color SL Silver
 DB Bronze BW Bone White
 FG Fashion gray CC Custom color

7. Light Control Options

IL80x360 Internal 80° Vert x 360° Horiz. lens shielding (V or VS)
 IL60x135 Internal 60° Vert x 135° Horiz. lens shielding (V or VS)
 IL-45 Internal 45° louvers type I distribution only (CG)
 IL-75 Internal 75° louvers type I distribution only (CG)
 HSS House Side Shield

8. Electrical Options

MR Mag Reg ballast (HPS only)
 CWI Constant wattage isolated ballast (HPS only)
 LMP Lamp included
 FD Single fusing 120V/277V
 FDC Single fusing 347V
 FDD Double fusing - 480V
 FDFD Double fusing 208V/240V
 PCB Photo control button
 TB Terminal block

H
al
n
C
w
lc

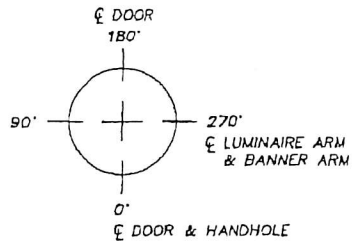
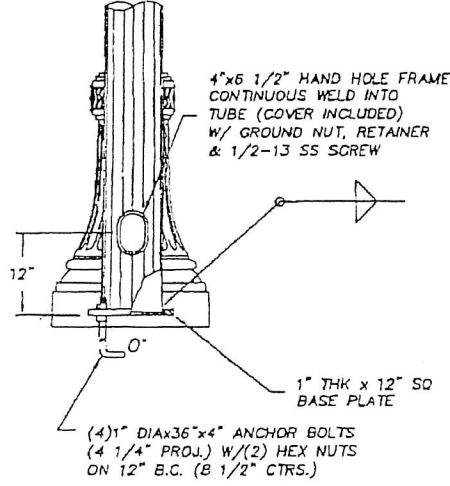
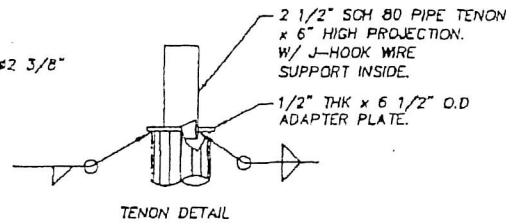
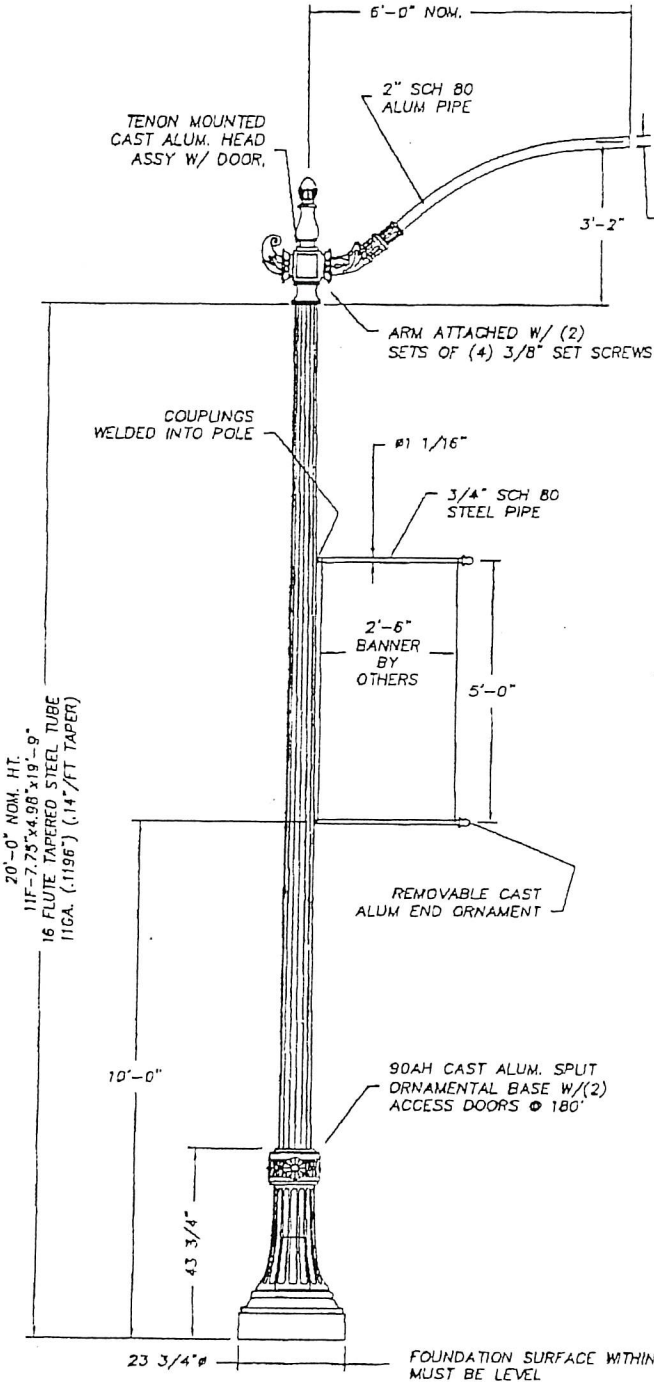
DESIGN CRITERIA

DESIGNED IN ACCORDANCE WITH 1994 AASHTO "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS" FOR 80 MPH WIND ZONE. STRUCTURES ARE DESIGNED FOR LOADS SPECIFIED BY CUSTOMER AND GENERAL REQUIREMENTS.

WELDED ALUM ASSEMBLIES HEAT TREATED TO T6 TEMPER

MATERIAL SPECIFICATIONS

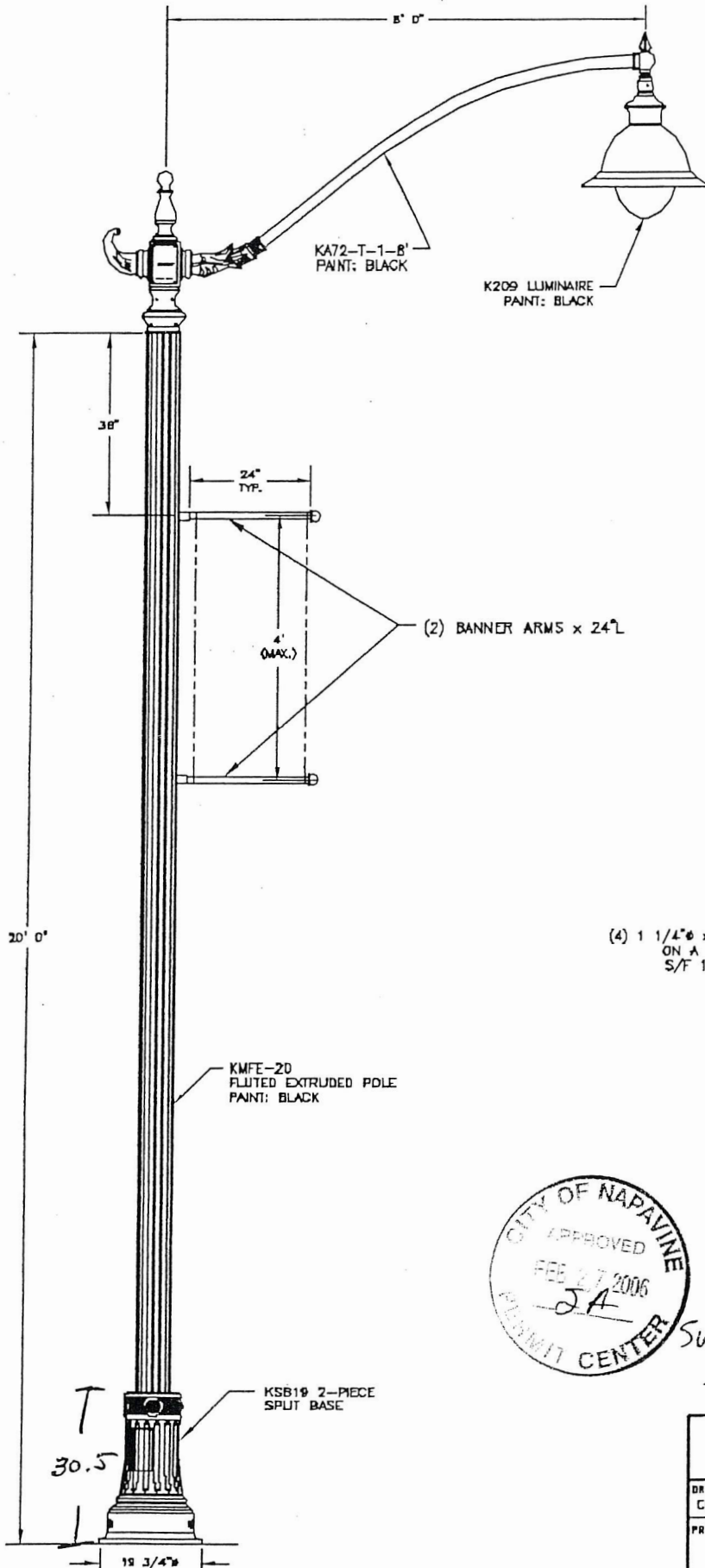
MONOTUBE: CHEM & PHYSICAL PROPERTIES OF A595 GRA
 PLATE, BAR: ASTM A36
 ANCHOR BOLTS: ASTM F1554 GR55 TOP END GALV TO A153
 ANCHOR BOLT NUTS: ASTM A563 GR. A GALV. TO A153
 MISC. HDWE: (STN. STL) AISI 300 SERIES (18-8)
 MISC. HDWE: (STEEL) ASTM A307 H.D. GALV TO ASTM A153
 ARM CASTING: CAST ALUMINUM A356-T6
 ORNAMENTAL BASE: CAST ALUMINUM A319-0
 H.H. FRAME: ASTM-A572, S29 OR A709 GR50
 H.H. COVER: C1010 STL.
 STEEL PIPE: ASTM A501
 ALUM PIPE: ASTM B221 6063
 FINISH PAINT: PER UMC POLE SHIELD SPECIFICATION
 COLOR PER SALES ORDER



REVISIONS

ORNAMENTAL LIGHTING STANDARD DESIGNED FOR NAPAVINE, WASHINGTON UMC DESIGN NO. BB9-90-B25-Y1			
LOF	ENG. REF. #	N89	
REG. #	NWA4576P	S.O. #	CAD #
		CORPORATION	
DRAWN	MR	DRAWING NO.	
DATE	7/26/04	N89-90-B25	
CHECKED	TUR		

REV.	ALTERATION	E.C.N.	DATE	BY



LUMINAIRE SPECIFICATIONS

CATALOGUE NO.: K209-EAS-XXX-200(MDG)
-HPS-240(MT)-PEC-KPL10

QUANTITY:
GLOBE MAT'L: ACRYLIC
IES CLASSIFIC.: T.B.A.
WATTAGE: 200W
LIGHT SOURCE: HIGH PRESSURE SODIUM
LINE VOLTAGE: 240V (MULTI-TAP)
PAINT: BLACK
OPTIONS: ELEC. PHOTO BUTTON CELL
KPL10

POLE SPECIFICATIONS

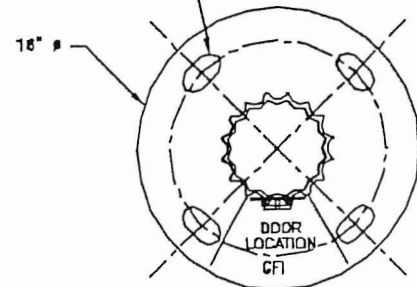
CATALOGUE NO.: KMFE-20
C/W KSB19, GFI & BA

QUANTITY:
MATERIAL: ALUM. SHAFT
CAST ALUM. BASE
PAINT: BLACK
TOP SIZE: 6 1/2"
POLE HEIGHT: 20' 0"
ANCHOR BOLTS: (4) 1" x 36" H.D.
BOLT CIRCLE: 12' Ø

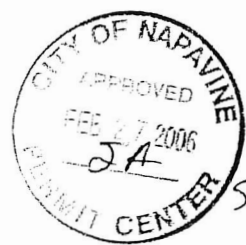
ARM SPECIFICATIONS

CATALOGUE NO.: KA72-T-1-8
QUANTITY:
MATERIAL: ALUMINUM
PAINT: BLACK

(4) 1 1/4" x 2 1/2" LG SLOTS
ON A 12" Ø BOLT CIRCLE
S/F 1" Ø ANCHOR BOLTS

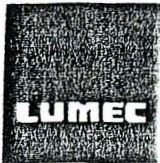


BASEPLATE DETAIL
MAT'L: 1" THK. ALUM.



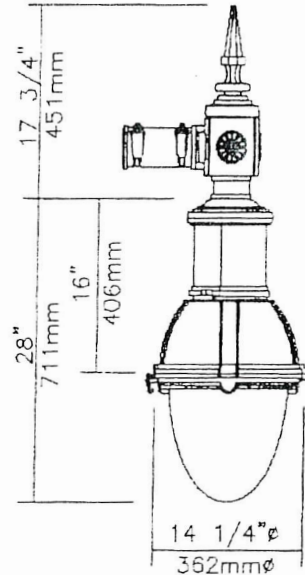
Substitute for Union Metal Pole and Metrolux fixture with fall Substitute

KING LUMINAIRE				
		<small>2000 BAY ST. WILMINGTON, ONTARIO L7R 3K0 CANADA</small>		
<small>800 KING LUMINAIRE</small>		<small>P.O. BOX 208 JEFFERSON SHD 1190 STATE ROUTE 409 U.S.A. 44607</small>		
DRAWING NAME:	DWG NUMBER:	DATE:	DWG BY:	REV.
CONCEPT DWG	206A3205-2	02/24/06	MM.	
PROJECT/DRAWN BY:				D-R BY:
CITY OF NAPA VINE				
VDW06\206A3205				



340, Curé-Bolvin
Boisbriand (Québec)
Canada, J7G 2A7

Specification

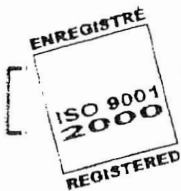


new

Haywire & Dec. only not via.

Wa. st must use City approved luminaires

SA



Qty 1 Luminaire RNS20-70MH-THC3-PC-VOLT-SMA

Description of Components:

Hood: Cast 356 aluminum dome, mechanically assembled on the luminaire.

Globe: (PC), One-piece, seamless, injected-molded polycarbonate globe having an inner prismatic surface complete with a semi-prismatic house side shield and external glare softening prisms. The globe is mechanically assembled on the access-mechanism.

250 Minimum SA

Lamp: (not included), 70 Watt Pulse Start Metal Halide (ANSI Code M98 or M139), ED 17 bulb, medium base.

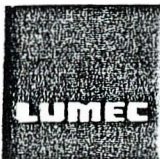
Optical System: (THC3-PC), Type III Hyper-Extensive For RNS. Lamp in a vertical position. Sealsafe system, composed of brightened anodized aluminum hydroformed reflector, permanently assembled on a refractor globe. Weathertightness IP66 rating. This assembly is toolfree removable from the technical ring.

Ballast: High power factor of 90%. Primary voltage to be determined _____. Pulse Start Type. Lamp starting capacity -20°F(-30°C) degrees. Assembled on a unitized removable tray with quick disconnect plug.

Access-Mechanism: A gravity die cast 356 aluminum frame with latch and hinge. The mechanism shall offer toolfree access to the inside of the luminaire. An embedded memory-retentive gasket shall ensure weatherproofing.

Housing: In a round shape, this housing is made of gravity die cast 356 aluminum, complete with a weatherproof door giving a toolfree access to the ballast, mechanically assembled.

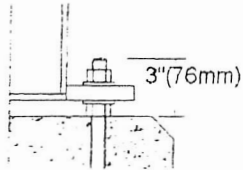
Adaptor: (SMA), Made of cast 356 aluminum, mechanically assembled to the bracket. Can be mounted on a 1.66"(42mm) to 2.38"(60mm) outside diameter bracket arm tubing that slip fits 6.5" (165mm) long inside the adaptor.



640, Curé-Boivin
Boisbriand (Québec)
Canada, J7G 2A7

Specification

Base & Bolts Information



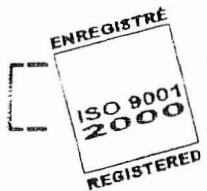
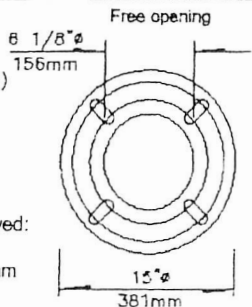
Comes with 4 steel anchor bolts, 3/4" X 24" + 3", 8 nuts and 8 washers. Important: Do not obstruct space between anchor plate and concrete base.

Anchor Plate

-B.C.:
12 1/2" (318mm)

- Material:
Cast Aluminum

- NOTE:
Bolt Circle Allowed:
10" to 13"
254mm to 330mm



Qty 1 Pole RTA907V-20-BA-BKTX

Description of Components:

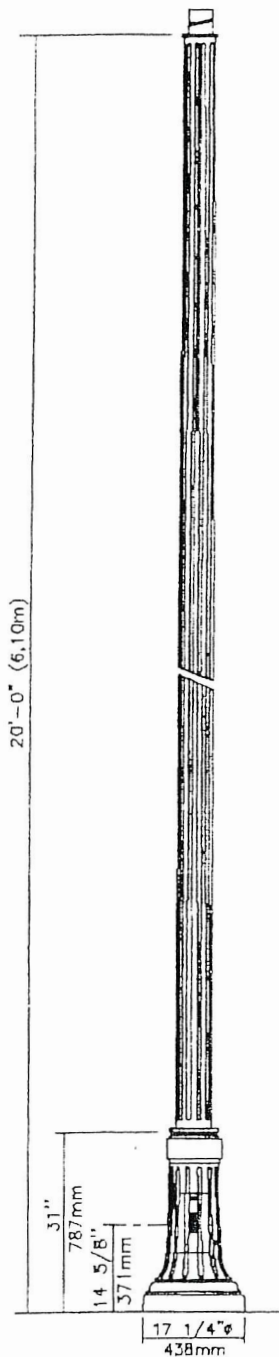
Pole Shaft: Shall be made from a mandrel-formed aluminum tapered shaft, 12 fluted round, having a 0.250" (6.4mm) wall thickness, welded to the pole base

Pole Base: Shall be made from a 6 5/8" (168mm) round 6063-T4 aluminum tubing base having a 0.188" (4.8mm) wall thickness, welded to both the bottom and top of the anchor plate.

Maintenance Opening: The pole shall have a 4" x 9" (102mm x 229mm) maintenance opening centered 14 5/8" (371mm) from the bottom of the anchor plate, complete with a weatherproof cast 356 aluminum cover and a copper ground lug.

Base Cover: Two pieces round base cover made from cast 356 aluminum, complete with a cast-in access door, mechanically fastened with stainless steel screws.

Pole Options: (BA) Single, single arm(s) (1), fixed standard type, made of steel tubing, 1 1/16" (27mm) outside diameter, mechanically assembled to the pole, complete with a standard cast aluminum decorative ball.





Specification

640, Curé-Boivin
Boisbriand (Québec)
Canada, J7G 2A7

Miscellaneous

Description of Components:

Wiring: Gauge (#14) TEW wires, 6" (152mm) minimum exceeding from luminaire.

Hardware: All exposed screws will be in stainless steel. All seals and sealing devices are made and/or lined with EPDM and/or silicone.

Finish: Color to be black textured (BKTX). Application of a polyester powder coat paint. (4 mils/100 microns). The chemical composition provides a highly durable UV and salt spray resistant finish in accordance to the ASTM-B117-73 standard and humidity proof in accordance to the ASTM-D2247-68 standard.

Cast components: All cast aluminum components contains 0.2% cooper or less..

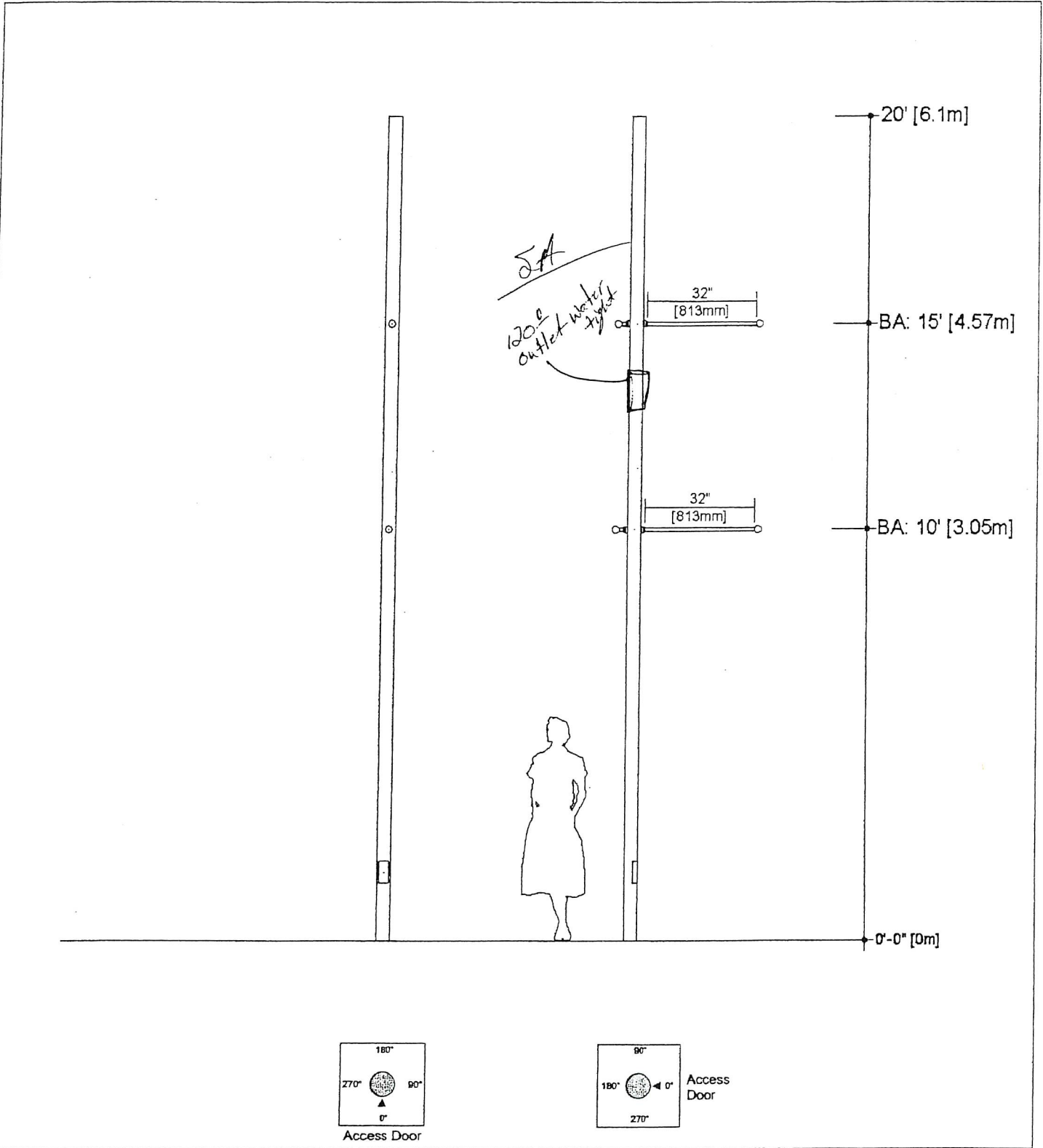


Specification

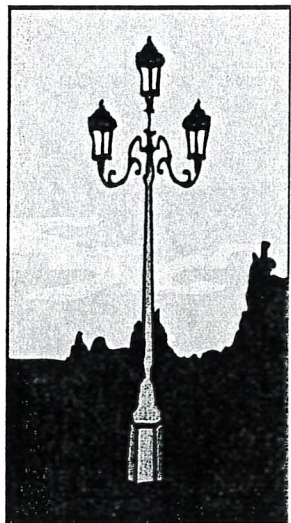
640, Curé-Boivin
Boisbriand (Québec)
Canada, J7G 2A7

Parametric Options Illustration

(schematic pole shown, for actual pole representation please refer to previous pages)



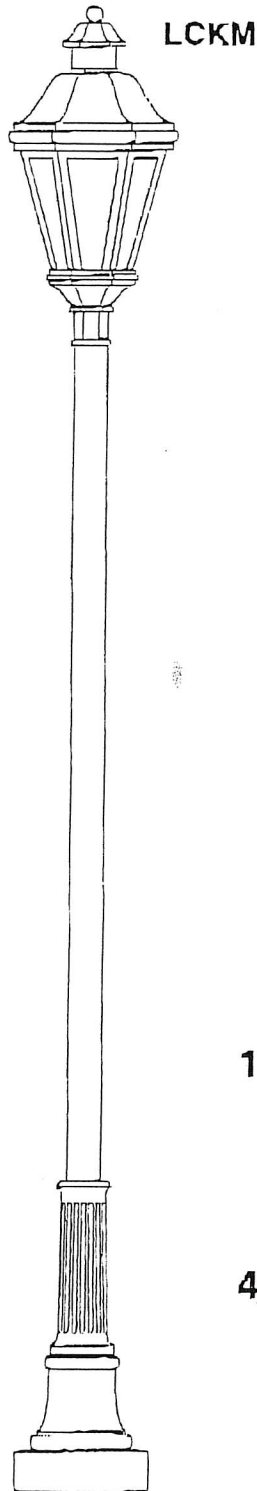
Interior Development



Interior

Type: PEDISTRIAN POLES

Job / Project Information:
NAPAVINE



Catalog Ordering Information

Luminaire: LCKM 70 WATT HPS

Arm:

Shaft: 1040 4 inch by 11ft staight shaft

Base: 4200

Accessories: custom street sign at 90

Pole Height*: 11 feet

*Pole Height Is from Bottom of Base to top of Shaft.

Notes:

*Park lighting
head*

All configurations are subject to final approval by Sun Valley Lighting. Please consult our catalog for more details and options or contact your local sales representative.

sun valley lighting



The Lighting Tradition

660 West Avenue O
Palmdale, CA. 93551
(661) 233-2000

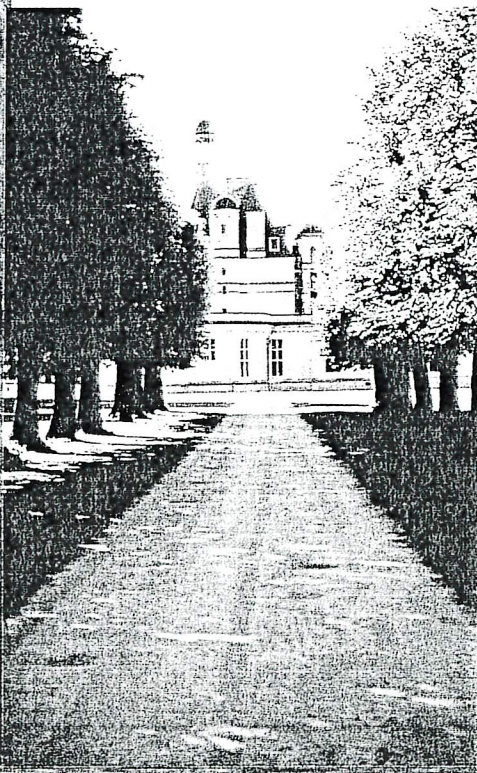
FAX (661) 233-2001

www.sunvalleylighting.com

Show / Hide Tools



**Private Drive Only
Bulk Head Lighting**



DISTRIBUTIONS

TYPE V Symmetrical (Vert. lamp)

Ordering Example WFB-8-V-HPS-70-BK-120-FD

MH = Std. Metal Halide
MHP = Pulse Start

DESIGN	DISTRIBUTION	HPS	MH/MHP	LAMP
WFB-8	V	35/50	35/50	ED-17
	.V	70	70	ED-17
	V	100	100	ED-17

* Available only in Pulse Start 35,50,70,100 MHP = Pulse Start

REQUIRED CHOICES

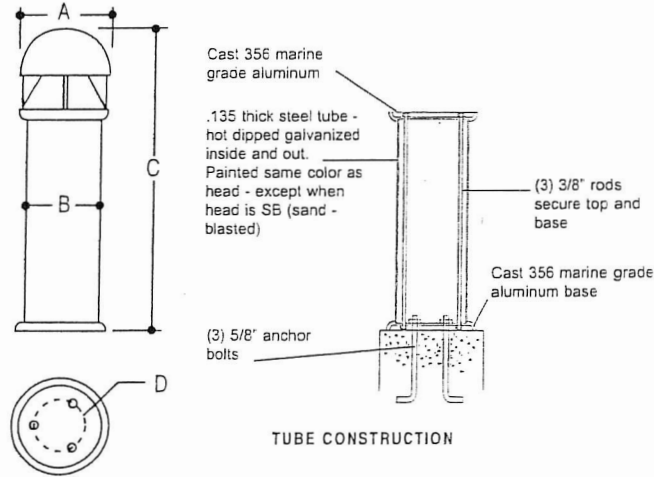
FINISH	RAL NO.	VOLTAGES
BK Black	9005	120
BW White	9010	208
DB Bronze	8019	240
SL Silver	9006	277
FG Gray	7001	347
CC Custom	Specify Color	
SE Sand Blast		
	w/Hot Dipped Galv. Tube	

OPTIONAL CHOICES

ELECTRICAL OPTIONS

FD Single Fusing 120V/277V
 FDFD Double Fusing 208V/240V
 FDC Single Fusing 347V

WFB-8-V



DIMENSIONS

A 10.00" Dia. (254 mm)
 B 8.00" (203 mm)
 C 33.50" Ht. (850.9 mm)

BOLT CIRCLE

D 5.50" (139.70 mm)

WEIGHT

45.5 lbs. (20.6 kgs)

DISTRIBUTIONS

TYPE V Symmetrical

ORDERING EXAMPLE PBR-10-V-HPS-70-CLF-BK-120-30-1-CLF

MH = Sic. Metal Halide
MHP = Pulse Start

DESIGN	DISTRIBUTION	HPS	MH/MHP	LAMP	OPTICAL
PBR-10	V	35/70/100/150	35/50/70/100/175*	ED-17	CLF
	V	35/70/100/150	35/50/70/100/175*	ED-17	CLR

* Available only in Pulse Start 35,50,70,100 MHP = Pulse Start

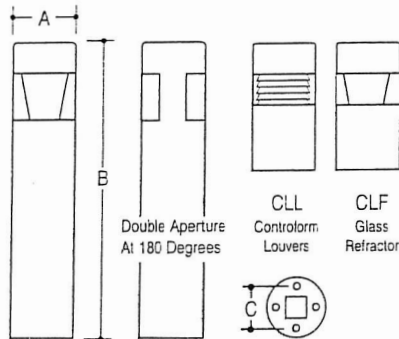
REQUIRED CHOICES

FINISH	RAL NO.	VOLTAGES	HEIGHT	APERTURE
BK Black	9005	120	30"	1 Single Aperture
BW White	9010	208	36"	2 Double Aperture
DE Bronze	8019	240	40"	
SL Silver	9006	277		
FG Gray	7001	347		
CC Custom	Specify Color			

OPTIONAL CHOICES

ELECTRICAL OPTIONS

FD Single Fusing 120V/277V
 FDFD Double Fusing 208V/240V
 FDC Single Fusing 347V

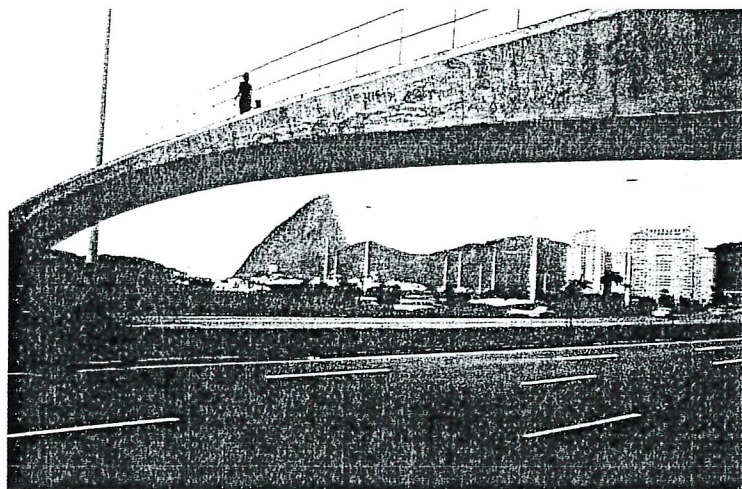


DIMENSIONS

A	10.00" Dia. (254.00 mm)	150 lbs. (68 kgs)
B	30.00" (762.00 mm)	
	36.00" (914.40 mm)	
	42.00" (1066.8 mm)	

BOLT CIRCLE

C	6.5" (165.10 mm)
	(4) 5/8" x 1 1/2" long anchor bolts



Overpass Lighting



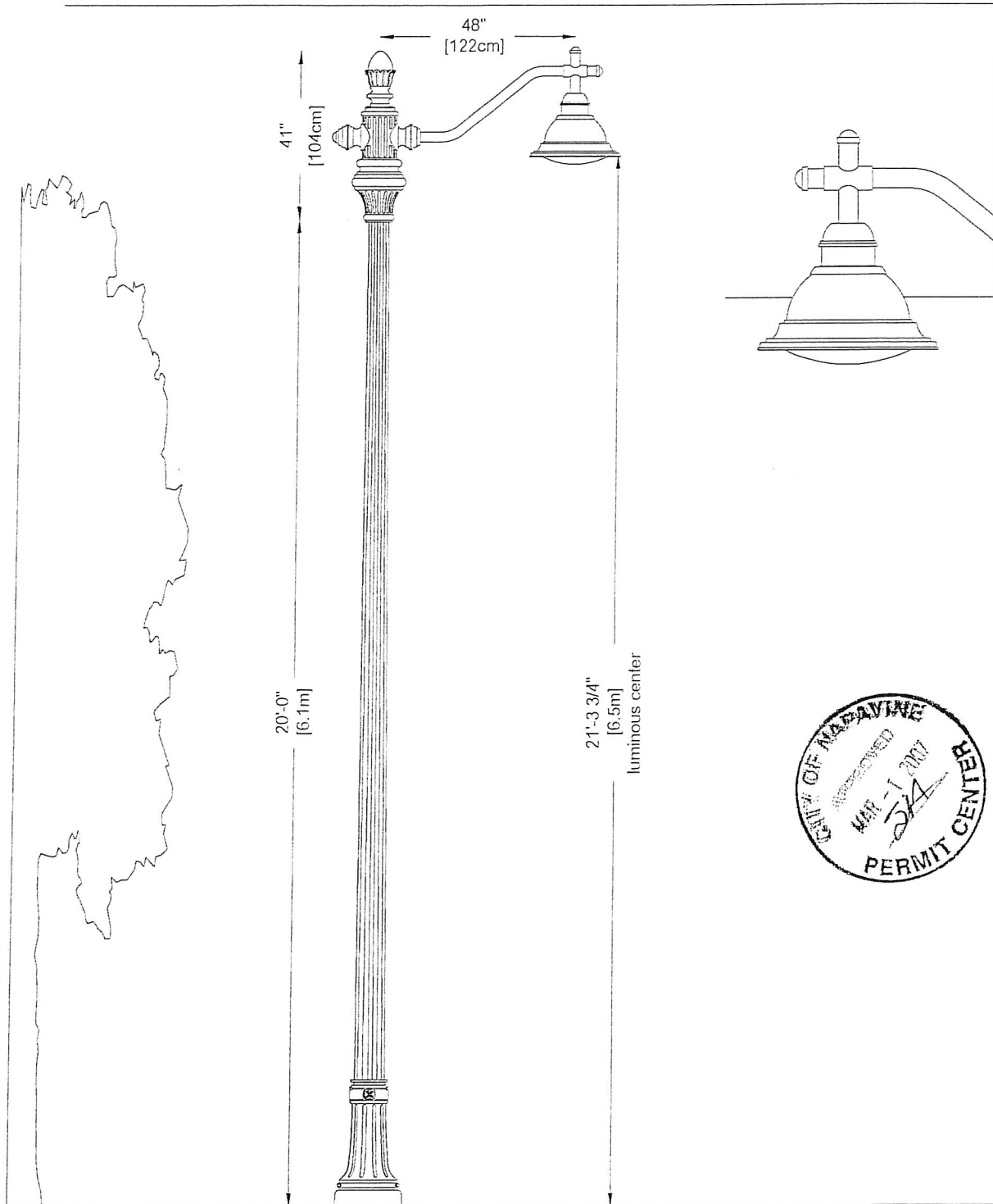
Project : Napa Vine addition

Order: 4508A

Type: A

Page: 1/3

Qty:4



Stamp/Approval

Name :

Date :



File : CYM5501 - 4508A - NAPA VINE ADDITION.DOC

Date : 3/6/2007 Page : 1/3

Designer : fricard



Project : Napa Vine addition

Order: 4508A

Type: A Bracket : CP1461-C1-RAL9017SM

Page: 3/3 Qty:4

Type: A Pole : CP0904-20-SA-BD60-RAL9017SM

Page: 3/3 Qty:4

Components

Bracket: Decorative arm 2 3/8"Ø made of aluminum with a two-piece decorative cover, a tenon for luminaire is welded to the arm.

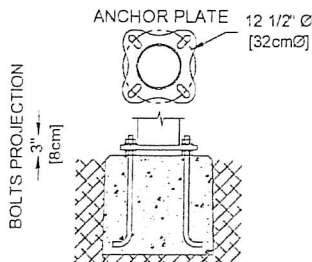
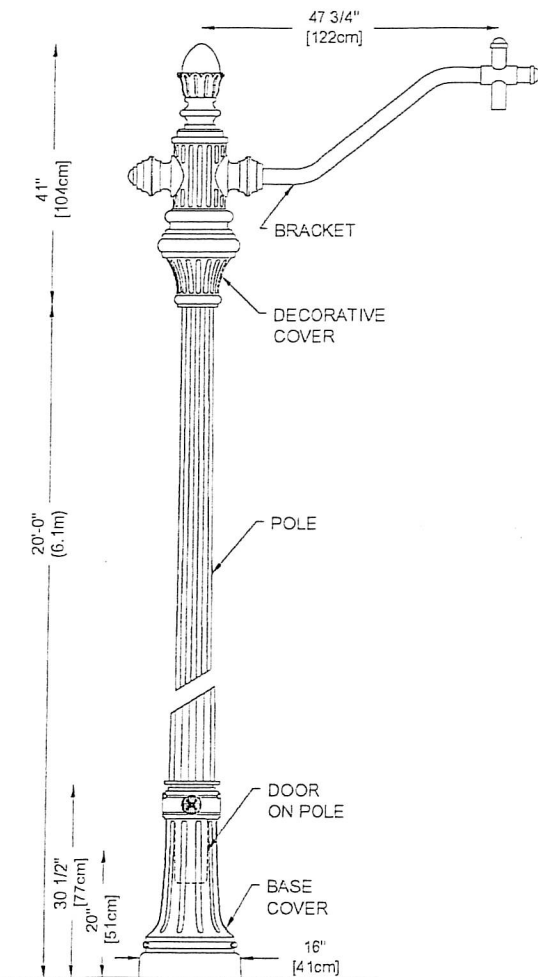
Pole : Round shape. Made from a 5"(127cm)Ø round, tapered, fluted, high tensile strength steel tubing, welded to a 6 5/8"(17cm)Ø base. The wall thickness of the pole is 11 ga. The pole is welded to both the top and the bottom of an anchor plate (3/4" thick.).

Access door : Covering an opening of 4"x9" (10x22cm) with gasket. Giving access to the copper ground lug.

Decorative cover : Round shape. Two-piece cover made of cast aluminum mechanically secured together.

Bolt circle (BC) : 12 1/2" (32cm)Ø. Available from 9 1/2"@12" (24@30cm)

Anchor bolts (AB) : Supplied by others: 3/4"Ø minimum



Generals/Options

Wiring/hardware : EPDM and/or silicone gasketing is applied. All hardware exposed will be stainless steel.

Color: RAL9017SM (Traffic black) / **Finish:** textured or smooth . Application of a polyester powder coat of paint. (5 mils /127 microns). The finish meets the ASTM G7, B117 and D1654 requirements relative to salt spray and humidity resistance. Cyclone recommends the textured finish for this product, due to the porous surface of our molded components.

Stamp/Approval
 Name : _____ Date : _____



File : CYM5501 - 4508A - NAPA VINE ADDITION.DOC
 Date : 3/6/2007 Page : 3/3
 Designer : fricard



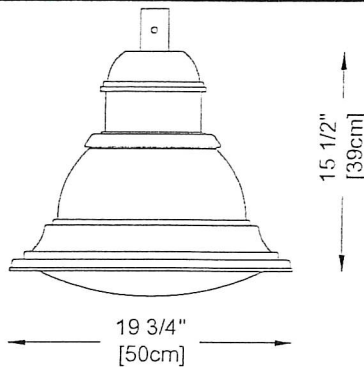
Project : Napa Vine addition

Order: 4508A

Type: A Luminaire : CYM5501-RT3-LSC-70MH-QT/VOLT-S1-RAL9017SM

Page: 2/3

Qty:4



Luminaire components

Head module: Round shape. A heavy spun aluminum complete with a clear glass sag lens (LSC) mounted on a removable lens frame. The head module is mechanically assembled with an aluminum die-cast ring on the locking system.

Opening system: A quarter-turn locking mechanism with constant pressure points. Allows a tool-free access inside the luminaire, to the lamp and ballast tray. Made with cast aluminum parts and sealed with a gasket compression system. The luminaire offers an IP66 weatherproof protection.

Cone module: Spun aluminum ballast housing with stainless steel captive retaining latches. Certification, maintenance and luminaire codification stickers are located on cone.

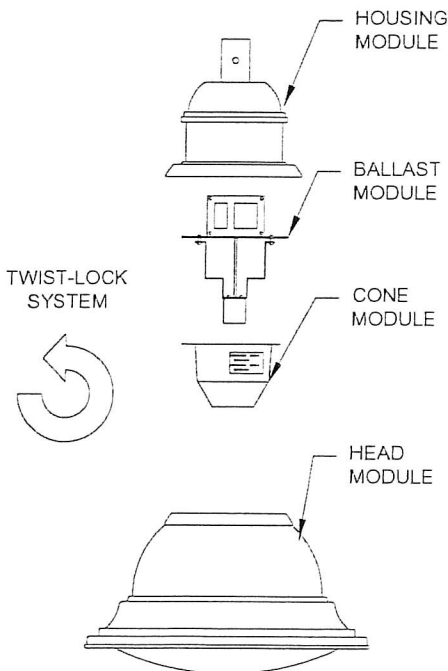
Housing module: Cast aluminum housing. Suspended on tenon and locked with locking bolt and set screws. Complete with "street side" sticker. For bracket having a 2 3/8"(6cm)Ø tenon with 0.145"(3mm) of wall thickness.

Optical/electrical components

Lamp : (not-included) 70 watts (MH), ED17, medium base(S1), ANSI M98
(Note : HPS=High Pressure Sodium, MH=Metal Halide)

Optic : Full cut-off optic I.E.S. type 3 (RT3). The optic uses a multi-faceted reflector of Anomet's pre-anodized aluminum sheet (86% min. reflection) , complete with a 4Kv porcelain lamp socket.

Ballast module: High reactance (HX) and high power factor of 90%. Primary voltage 120/208/240/277 volts, wired at __ (QT/VOLT) volts. 60 Hz. Assembled on a tool-free removable stainless steel tray with quick-disconnect connectors. Minimum starting temperature : -40°F(-40°C) for HPS and -20°F(-30°C) for MH.



Generals/Options

Wiring/hardware : Type TEW 14-7. 12" (30cm) minimum exceeding from luminaire. All electrical connections shall be made with quick-disconnect Molex connectors. EPDM and/or silicone gasketing is applied. All exposed hardware will be in stainless steel.

Color: RAL9017SM (Traffic black) / **Finish:** textured or smooth . Application of a polyester powder coat of paint. (5 mils /127 microns). The finish meets the ASTM G7, B117 and D1654 requirements relative to salt spray and humidity resistance. Cyclone recommends the textured finish for this product, due to the porous surface of our molded components.

EPA : 1.38 pi² Weight: 33 Lbs / 15 Kg

Stamp/Approval

Name : Date :



File : CYM5501 - 4508A - NAPA VINE ADDITION.DOC

Date : 3/6/2007 Page : 2/3

Designer : fricard

