NORTH STAR
LIGHTING, INC.

OUTDOOR ARCHITECTURAL LIGHTING

THORN

Product Page Key

THORN

This spread is intended to help the reader to find and use the product information for the Thorn products, which is set out in a consistent form

SAP Code
Thorn Lighting has implemented a common SAP computer system to bring greater flexibility and process transparency. This enables the company to introduce shorter ordering references.

Illustrations
These give basic product dimensions in inches. Illustrations are not to scale.

Specification
These appear for most products and are set out so that the specifier can photocopy the relevant clause, define the details and attach it to the order.

Photometric Data
The photometric data shown on the product pages is intended to give an indication of the characteristics of a product or range of products. It is not intended for lighting design data, but to aid the selection of products - directly or by comparison with other luminaires prior to design.

The photometric data for each category of luminaire is expressed using different data elements.

Standards Compliance
Luminaires are deemed IP20 unless stated otherwise. EN 60598 is stated to signify that all Thorn products are designed and manufactured to EN 60598 (BS 4533).

The vast majority are also manufactured in a quality assured environment to EN ISO 9001.

Certification
Luminaire shall be certified for Indoor/Outdoor use, wet location, to meet UL 1598 standards and CSA Std. C22.2 NO.250.

Alumet

THORN

Alumet is an elegant lighting feature, which is suitable for both classic and modern architecture

- Suitable for pedestrian precincts, building surrounds, shopping centers, parks and business centers
- A sleek and minimalist shape provides distinctive lighting effects by night and decorative urban effect during the day
- Exceptional visual comfort
- Electronic ballast ensures energy saving capabilities
- Ideal for creating visual guidance
- White light with good colour rendering
- Bollard version available on request

Materials/Finish
Column: extruded aluminum, 9.84' Ø 7.84", finish powder coated light matt grey
Top canopy: die-cast aluminum, finish powder coated light matt grey
Diffuser: opal impact-resistant acrylic, 3.77', Ø 7.87"

Installation/Mounting
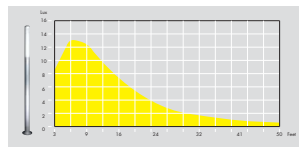Overall height: 163.4" (with lit part of 45.28")

Easy installation:
1. Ballast is housed inside the pole. Weight of gear is held by safety chain.
2. Base of lamp compartment secures by interior screws to enable a smooth exterior line between pole and illuminated section.
3. Top casting clamps the diffuser in place. Easy access for lamp replacement by using the M6 thread to remove the canopy.

Specification
To specify state:
Decorative lighting column for 2 x 55W TC-L compact fluorescent lamps with powder coated matt light grey aluminum pole.
As Thorn Alumet.

Certification
Luminaire shall be certified for Indoor/Outdoor. Use, wet location, to meet UL 1598 standards and CSA standards.

Ordering Guide Lamps to be supplied separately
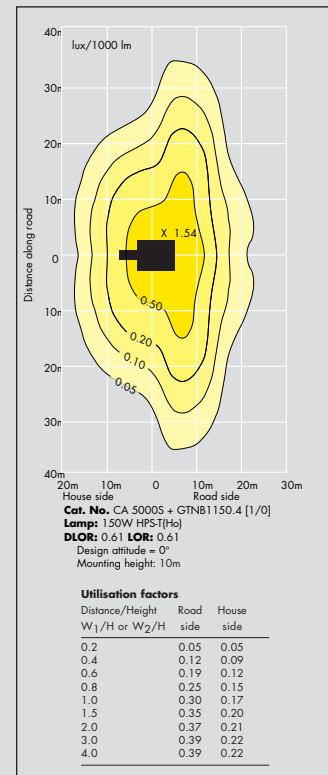For complete fitting specify head and pole

New Description		Socket	Weight (lb)	SAP Code
Alumet head				
ALUMET 2x55W TCL EOP/AC/3.77"		2G11	16.97	96102346
aluminum pole				
ALUMET COL/AL/9.84'/MPL	FLANGE MOUNTING		70.5	96102357
ALUMET COL/AL/9.84'/MGR	ROOT MOUNTING		83.77	96102358

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Outdoor Lighting Data

lux/1000 lm

Cat. No. CA 5000S + GTNB1150.4 [1/0]
Lamp: 150W HPS-T(Ho)
DLOR: 0.61 **LOR:** 0.61
Design attitude = 0°
Mounting height: 10m

Utilisation factors

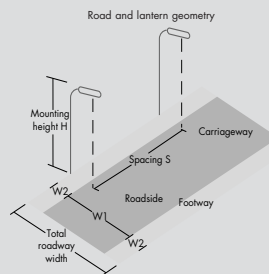| Distance/Height W₁/H or W₂/H	Road side	House side
0.2	0.05	0.05
0.4	0.12	0.09
0.6	0.19	0.12
0.8	0.25	0.15
1.0	0.30	0.17
1.5	0.35	0.20
2.0	0.37	0.21
3.0	0.39	0.22
4.0	0.39	0.22

This data enables illuminance lighting design for subsidiary roads and pedestrian areas.

- Design attitude
Angle between a reference axis on the luminaire, often the spigot entry axis of the luminaire and the horizontal.

- Recommended mounting height
A suitable mounting height or range of heights for the lantern above the ground. The isolux diagram data is based upon one height.

Contact North Star Lighting for more detailed photometric data.

- Utilization factors
Road side and house side of the lantern utilisation factors for a range of width to mounting height ratios. The data may be used to calculate the average illuminance over an area.

Road and lantern geometry

Mounting height H
Carriageway
Spacing S
Roadside
Footway
W2
W1
W2
Total roadway width

W1 is the road side width between the luminaire and the rear side of the far footway or other boundary line. W2 is the house side width between the luminaire and the rear side of the near footway or other boundary line. H is the mounting height.
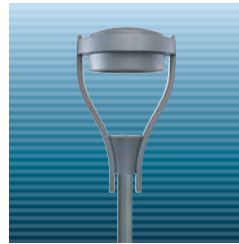

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Contents

Use this pictorial summary to help find what you need.
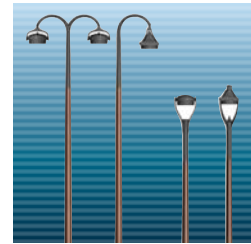
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Aviso
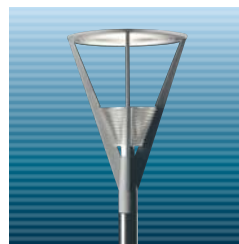
A range providing genuine
100% indirect lighting,
outstanding visual appeal,
and precision light control

Design:

- Addresses outdoor indirect lighting issues, providing an increased downward light output ratio, whilst reducing light pollution

- Two new technologies developed (patents pending) - a 'rectangular light' projector and the Mosaique® reflector

- Precision optical system gives very low glare rating

Protection paint
Metallised coat
Transparent PMMA
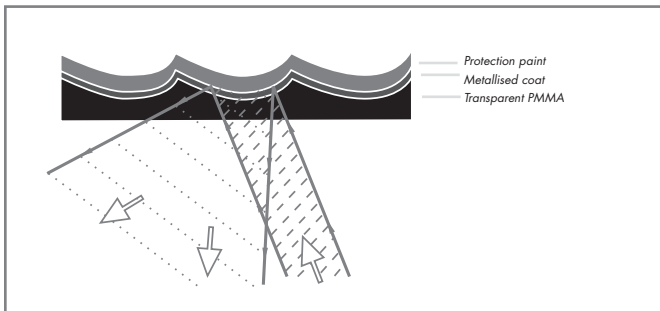
Optical Principle
Primary source:
The projector, which contains a ceramic metal halide lamp (choice of 3000K or 4200K), generates light and directs this 'rectangular beam' onto the reflector. A control ring precisely shapes the beam to ensure maximum light capture by the reflector. The projector's precision reflector optic ensures maximum output.
Secondary Optic: 70 or 150 Watt Metal Halide G12 lamp. A top plate with reflector captures the light emitted from the projector and reflects it to the ground. There is a choice of three reflectors: Mosaique® types 1 and 2 or plain white. The innovative Mosaique® reflectors improve the performance of indirect lighting. Each comprises of 24 tiles, configured together in

two arrangements: type 1 which throws more light towards the longitudinal direction and type 2 which throws light towards the transverse direction. Each tile comprises of nine cells and has three layers: a coat of protection paint, a metallised coat and a transparent PMMA skin to protect it and offer a wipe clean surface. The result is 97% containment of light on the top plate giving better efficiency and ultra-low light pollution, whilst maintaining outstanding visual comfort. The DLOR is around 50% and a typical scheme has a threshold increment (TI) lower than 4%. The reflectors combine with different arm configurations and tilt angles to produce various light distributions, therefore suitable for many street and amenity applications.

Luminaire
The projector and tiltable top plate are connected by the luminaire body/arm. There is a choice of two arm shapes with a further selection of dedicated columns (recommended 0.5' and 17' high). The Aviso A arm is post top mounted and the Aviso B is bracket mounted with a blue downlight beam feature for decorative effect. The electronic gear is column based and connects via a plug and socket to the projector.

Aviso B with mosaique reflector

Aviso A with white reflector

41.34″

35.28″

205ø

10.28″

20.47″
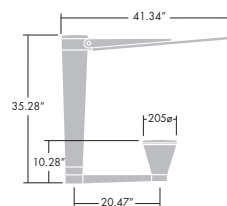
Aviso B - 4° or 10° tilt angle

36.1″

38.78″

14.88″
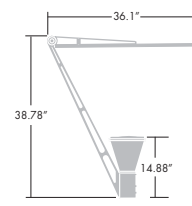
Aviso A - 0° or 6° tilt angle

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Materials/Finish

White reflector: pressed sheet aluminum, coated with white high reflectance polyester paint. Mosaique® reflector: pressed sheet aluminum, metallised reflector protected by transparent PMMA. Projector: Inside: anodized spun and pressed aluminum reflector. Outside: die-cast aluminum, textured sandy grey 150 (Akzonobel) powder coat. Projector closure: tempered glass (for use with white reflector) or anti-glare treated flat glass (for use with Mosaique® reflector). Aviso B. Luminaire body: die-cast aluminum, textured sandy grey 150 (Akzonobel) powder coat. Aviso A arm: hardened die-cast aluminum.

Installation/Mounting

Lantern recommended mounting height 13.2'-19.7'.
Post-top lantern: Suitable for 2.4" Ø x 4' long spigot.
Control gear unit: mounts in column. Supplied with lamp.
Column: Flange mounting. 10.67" flange fixed via four fixing bolts at 7.87" centers. Bolts not supplied.

Specification

To specify lantern state: Die-cast aluminum indirect lantern for post top mounting with powder coated sandy grey 150 (AKONOBEL) finish. aluminum top plate with white or metallised Mosaique® reflector protected by transparent PMMA. Projector with a ring shielding unnecessary light and an anodized, aluminum reflector, with output such that 97% is contained by top reflector plate, to minimize light pollution. Optical compartment and gear tray, IP65; gear tray compartment, IP54. 5 Nm.
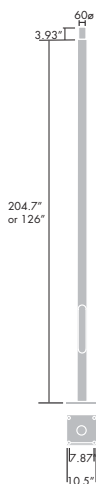100% indirect lighting, employing 70W/150W MH lamp .
As Thorn Aviso.

Certification

Luminaire shall be certified for Indoor/Outdoor use, wet location, to meet UL 1598 standards and CSA Std. C22.2 NO.250.
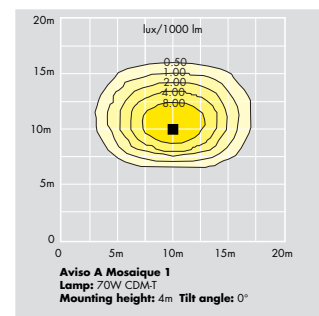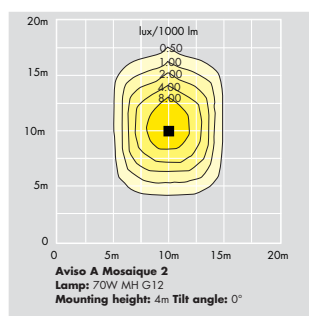
Custom product for Aarhus, DK

Ordering Guide

Part Number	Description	Wt (lb)	SAP Code
Arm with projector unit			
AVISO BRA S/P 70W MH	ARM B	28.66	96012034
AVISO BRA S/P 150W MH	ARM B	28.66	96012034
AVISO A N/GT 70W MH	ARM A	22.05	96012035
AVISO A N/GT 150W MH	ARM A	22.05	96012035
Top reflector			
AVISO RWH	WHITE	22.05	96012036
AVISO RFC A/S	MOSAIQUE® TYPE 1	29.76	96012037
AVISO RFC R/S	MOSAIQUE® TYPE 2	29.76	96012038
Dedicated columns			
AVISO COL 10.5' MPL	FLANGE PLATE	114.64	96012039
AVISO COL 17.06' MPL	FLANGE PLATE	187.39	96012041

Wall mounting (for Aviso B only) available on request.
Note: Specify 70W or 150W MH.

60ø
3.93"
204.7" or 126"
7.87"
10.5"

Aviso A Mosaique 2
Lamp: 70W MH G12
Mounting height: 4m **Tilt angle:** 0°

Aviso A Mosaique 1
Lamp: 70W CDM-T
Mounting height: 4m **Tilt angle:** 0°

Ordering Example

AVISO BRA S/P 70 ARM B 96012034
AVISO RFC A/S MOSAIQUE® TYPE 1 96012037

Legend Classic

A classic shaped range of low light pollution lanterns for application in older cities, towns and historical areas

- Choice of post top or suspended mounting. Both offer the option of an illuminated top cap

- Post top version produces 'virtual glow effect' when lit

- Precise light distribution ensures no direct upward light, and a consequent reduction in light pollution

- The 'Optibloc' internal optic can be rotated in 45° increments to maintain uniform visual appearance and offer different distributions

- The high performance optics are suitable for streetlighting

- Available with medium base Metal Halide ED17 lamp and electronic ballast 70-150W.

Materials/Finish
Body: die-cast low copper aluminum,dark grey powder coated finish, (close to RAL 9007).
Flat enclosure: tempered glass lens.
Reflector: pure aluminum.

Installation/Mounting
Recommended mounting height: 13.2' to 16.4'

Specification
To specify state:
Post top or suspended lantern in die-cast aluminum painted in dark grey finish, flat tempered glass lens, with aluminum reflector embodied in an IP65 compartment. Reflector will provide a light distribution for streetlighting, and will have an upward light output ratio of zero. As Thorn Legend Classic.

Certification
Luminaire shall be certified for Indoor/Outdoor use, wet location, to meet UL 1598 standards and CSA Std. C22.2 NO.250.

Airlie Beach, Australia

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17.5"

20.87"

39.37"

17.5"
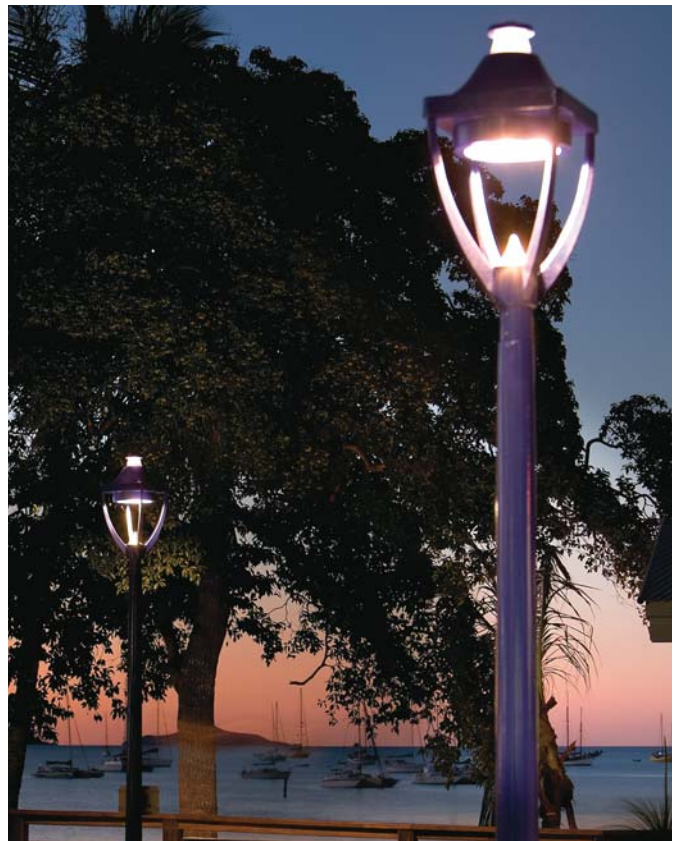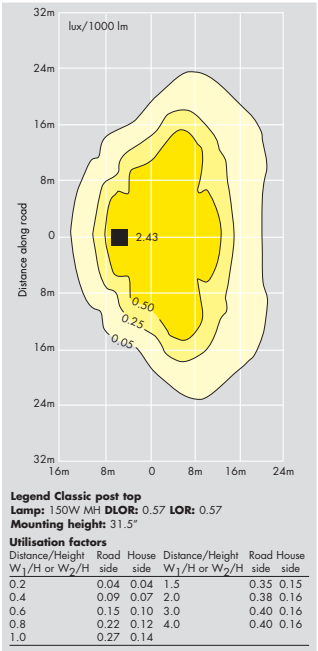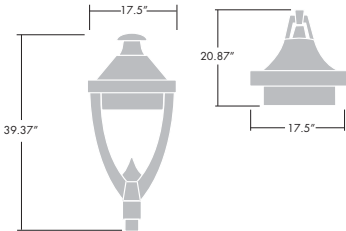
Ordering Guide

New Description		Wt (lb)	SAP Code
Lantern			
LEGEND C MTP CL1	POST TOP VERSION	37.48	96009619
LEGEND C MSU CL1	SUSPENDED VERSION	21.8	96009621

Note: Specify 100 or 150W MH

Legend Classic post top
Lamp: 150W MH **DLOR:** 0.57 **LOR:** 0.57
Mounting height: 31.5"

Utilisation factors

Distance/Height W$_1$/H or W$_2$/H	Road side	House side	Distance/Height W$_1$/H or W$_2$/H	Road side	House side
0.2	0.04	0.04	1.5	0.35	0.15
0.4	0.09	0.07	2.0	0.38	0.16
0.6	0.15	0.10	3.0	0.40	0.16
0.8	0.22	0.12	4.0	0.40	0.16
1.0	0.27	0.14			

Legend Modern

A modern shaped range of low light pollution lanterns mainly dedicated to modern city centers and residential areas

- Choice of post top or suspended mounting

- Precise light distribution ensures no direct upward light, and a consequent reduction in light pollution

- The 'Optibloc' internal optic can be rotated in 45° steps to maintain uniform visual appearance and offer different distributions

- The high performance optics are suitable for streetlighting

- Available with medium base Metal Halide ED17 lamp and electronic ballast 70-150W.

Materials/Finish
Body: die-cast aluminum, dark grey powder coated finish, (close to RAL 9007). Flat enclosure: tempered glass lens. Reflector: pure aluminum.

Specification
To specify state:
Post top or suspended lantern in die-cast aluminum painted in dark grey finish, flat tempered glass lens, with aluminum reflector embodied in an IP65 compartment. Reflector will provide a light distribution for streetlighting, and will have an upward light output ratio of zero. As Thorn Legend Modern.
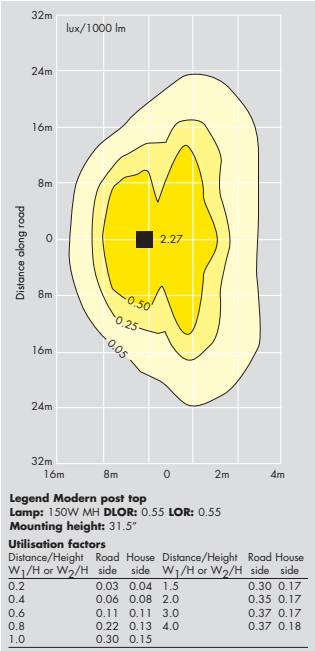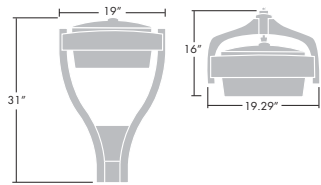
Certification
Luminaire shall be certified for Indoor/Outdoor use, wet location, to meet UL 1598 standards and CSA Std. C22.2 NO.250.

FR © Pascual

19"

16"

31"

19.29"

lux/1000 lm

32m

24m

16m

8m

0   ■ 2.27

8m

0.50

0.25

16m   0.05

24m

32m

16m   8m   0   2m   4m

Distance along road

Legend Modern post top
Lamp: 150W MH **DLOR:** 0.55 **LOR:** 0.55
Mounting height: 31.5"
Utilisation factors

Distance/Height W_1/H or W_2/H	Road side	House side	Distance/Height W_1/H or W_2/H	Road side	House side
0.2	0.03	0.04	1.5	0.30	0.17
0.4	0.06	0.08	2.0	0.35	0.17
0.6	0.11	0.11	3.0	0.37	0.17
0.8	0.22	0.13	4.0	0.37	0.18
1.0	0.30	0.15			

Ordering Guide Order both lantern and gear tray, and if necessary the post top adapter. Lamp to be ordered separately. Remote gear trays available on request.

New Description		Wt (lb)	SAP Code
Lantern			
LEGEND M MTP CL1	LEGEND MODERN POST TOP VERSION	31.3	96009623
LEGEND M MSU CL1	LEGEND MODERN SUSPENDED VERSION	20.9	96009625

Sylvan Columns for Legend Lanterns

Designed to complement the Legend range of lanterns, Sylvan columns allow a broad variety of styles to be created

- Dedicated Sylvan columns with three lantern mounting configurations: post-top, single overarm and twin overarm brackets. Choice of post-top columns for Legend Classic or Modern lanterns. Bracket assembly available for suspended Legend Classic or Modern lanterns. See illustrations.

- Columns are crafted from die cast aluminum with laminated wood main section

- Columns are available in 13.12', 19.69' and 26.24' versions. These come complete with tenon for post-top mounting or overarm bracket(s) for suspended mounting

Installation/Mounting
Columns supplied as flange mounted.

Material/Finish
Column: conical, tapered column in cast aluminum with laminate wood main section. Column supplied for mounting post top Legend or Sylvan bracket.
Finish: textured dark grey for metal parts and mahogany tint for wood.

Specification
To specify state:

3.12/19.6/26.25' conical tapered cast aluminum lighting column with wood main section. Flange mounted. With single/twin/overarm bracket/post-top 2.99" shaft/for mounting Legend Classic/Modern lantern. As Thorn Sylvan column/bracket.

Certification
Luminaire shall be certified for Indoor/Outdoor. Use, wet location, to meet UL 1598 standards and CSA standards.

Ordering Guide

New Description		Dimensions (ft)							Wt (lb)	SAP Code
		A	B	C	D	E	F	G		
Sylvan columns for post top mounting of Legend lanterns										
SYLVAN COL 4M CLASSIC	13.12', FOR USE WITH LEGEND CLASSIC LANTERN, POST TOP MOUNTED	13.12	2.29	8.85	1.96	0.34	0.55	1.28	0.35	96012053
SYLVAN COL 4M MODERN	13.12', FOR USE WITH LEGEND MODERN LANTERN, POST TOP MOUNTED	13.12	2.29	8.85	1.96	0.34	0.55	1.28	0.33	96213972
Sylvan columns c/w overarm brackets to accommodate Legend lanterns										
SYLVAN COL 6M BRAX1	19.69' WITH SINGLE OVERARM FOR LEGEND SUSPENDED LANTERN	19.69	3.93	13.78	1.96	0.39	0.55	1.28	0.39	96213973
SYLVAN COL 6M BRAX2	19.69' WITH TWIN OVERARM FOR LEGEND SUSPENDED LANTERNS	19.69	3.93	13.78	1.96	0.39	0.55	1.28	0.42	96213974
SYLVAN COL 8M BRAX1	26.24' WITH SINGLE OVERARM FOR LEGEND SUSPENDED LANTERN	26.24	3.93	20.34	1.96	0.39	0.63	1.31	0.57	96213975
SYLVAN COL 8M BRAX2	26.24' WITH TWIN OVERARM FOR LEGEND SUSPENDED LANTERNS	26.24	3.93	20.34	1.96	0.39	0.63	1.31	0.59	96213976

Legend Brackets

Designed for use with Legend Lanterns, and alternative columns, these brackets compliment the Legend styling to create a harmonized assembly

- Two further styles of bracket are available for use with other column types:
  1. Bilam brackets fit 3" Ø columns (QC-TC types recommended) and are available in two configurations: single outreach and twin outreach. Wall mounted bracket version also available.
  There are two profiles per configuration: with single curvature decoration (version C) or double curvature decoration (version S).
  2. Eiffel mid-pole brackets fit 2.36" Ø columns and are offered in the same configurations: single and twin outreach, plus a wall mounted bracket version.

- All Bilam and Eiffel brackets are available to accept Legend Classic or Modern lanterns, in post-top or suspended form.
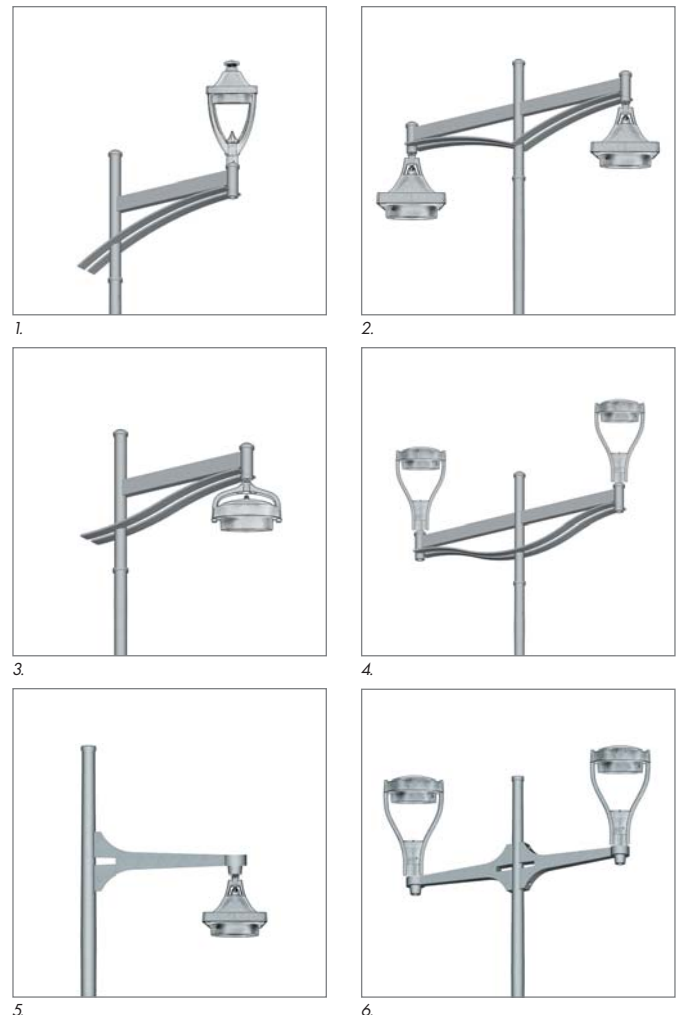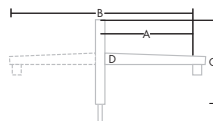
Installation/Mounting
Bilam Brackets fit 3" Ø columns. Eiffel mid-pole brackets fit 2.36" Ø cylindrical - tapered columns via a mounting plate with 2 fixing holes at 8.66" centers.

Material/Finish
aluminum with Steel fixing shaft.

Certification
Luminaire shall be certified for Indoor/Outdoor use, wet location, to meet UL 1598 standards and CSA Std. C22.2 NO.250.

1.

2.

3.

4.

5.

6.

Ordering Guide

New Description		Dimensions (ft)				Figure	Wt (lb)	SAP Code
		A	B	C	D			
Legend brackets for use with other column types								
Type BILAM C - single curvature decorative feature								
BILAM C BRAX1 S34G	SINGLE, FOR SUSPENDED LANTERN	2.44		2.4	0.26		25.35	96012059
BILAM C BRAX2 S34G	TWIN, FOR SUSPENDED LANTERNS		4.8	2.4	0.26	2	39.0	96012060
BILAM C BRAX1 MTP D76	SINGLE, FOR TOP MOUNTED LANTERN	2.44		2.4	0.26	1	25.35	96012061
BILAM C BRAX2 MTP D76	TWIN, FOR TOP MOUNTED LANTERNS		4.8	2.4	0.26		39.0	96012062
BILAM C BRA MWA S34G	WALL BRACKET, FOR SUSPENDED LANTERN	2.44			0.26		16.5	96213980
BILAM C BRA MWA MTP D76	WALL BRACKET, FOR TOP MOUNTED LANTERN	2.44			0.26		16.5	96213981
Type BILAM S - twin curvature decorative feature								
BILAM S BRAX1 S34G	SINGLE, FOR SUSPENDED LANTERN	2.44		2.4	0.26	3	25.35	96012065
BILAM S BRAX2 S34G	TWIN, FOR SUSPENDED LANTERNS		4.8	2.4	0.26		39.0	96012066
BILAM S BRAX1 MTP D76	SINGLE, FOR TOP MOUNTED LANTERN	2.44		2.4	0.26		25.35	96012067
BILAM S BRAX2 MTP D76	TWIN, FOR TOP MOUNTED LANTERNS		4.8	2.4	0.26	4	39.0	96012068
BILAM S BRA MWA S34G	WALL BRACKET, FOR SUSPENDED LANTERN	2.44			0.26		16.5	96213982
BILAM S BRA MWA MTP D76	WALL BRACKET, FOR TOP MOUNTED LANTERN	2.44			0.26		16.5	96213983
Type Eiffel - Bracket for mid-pole application - bolted to column side (2.36")								
EIFFEL BRAX1 S34G	SINGLE, FOR SUSPENDED LANTERN	2.28				5	11.0	96012071
EIFFEL BRAX2 S34G	TWIN, FOR SUSPENDED LANTERNS		4.56				22.0	96012072
EIFFEL BRAX1 MTP	SINGLE, FOR TOP MOUNTED LANTERN	2.28					11.0	96012073
EIFFEL BRAX2 MTP	TWIN, FOR TOP MOUNTED LANTERNS		4.56			6	22.0	96012074
EIFFEL BRA MWA S34G	WALL BRACKET, FOR SUSPENDED LANTERN	2.28		0.82			11.0	96213985
EIFFEL BRA MWA MTP D76	WALL BRACKET, FOR TOP MOUNTED LANTERN	2.28		0.82			11.0	96213984

Madison 1000

A large post-top lantern with column, simply designed with an inverted conical shape

Light source shielding by optical prisms

Design: Designit

- Glass lamp enclosure has optical prisms at the top with opal sand-blasted glass below to combine an indirect light with a downward, anti-glare, direct light

- Lantern head takes on 'floating' appearance when lit

- Available with medium base Metal Halide ED17 lamp and electronic ballast 70-150W or Compact Fluorescent

- Simple light source replacement by elevation of lantern. Control gear fitted in column

Simple light source replacement

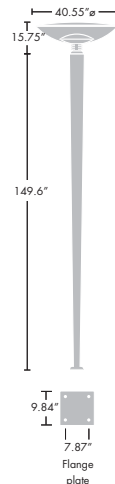*Black/red* *Blue*

Black/green *Steel*

Materials/Finish
Lantern: aluminum, textured anthracite. Versions available in other textured finishes (black red/ black green/steel blue) to order.
Reflector: pressed aluminum, powder coated white on underside.
Hemispherical globe: clear, UV resistant polycarbonate.
Lamp enclosure: opal acrylic at sides with sand blasted refractor glass in the top.
Socket and lock ring: cast aluminum, silver.
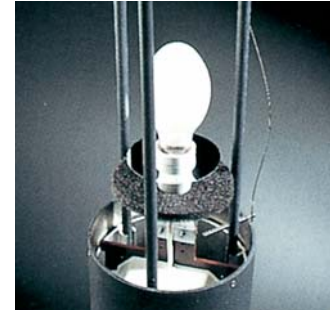Column: aluminum, textured anthracite.

Specification
To specify state:
Decorative, conical column and 39.37" Ø lantern in aluminum for long life induction lamp with prismatic glass lamp compartment providing indirect light. IP54.
As Thorn Madison 1000.

Certification
Luminaire shall be certified for Indoor/Outdoor use, wet location, to meet UL 1598 standards and CSA Std. C22.2 NO.250.

40.55"ø
15.75"
149.6"
9.84"
7.87"
Flange plate

8m lux/1000 lm
4m
0
4m
8m
8m 4m 0 4m 8m
Mounting height: 13.12'
4.00 2.00 1.00 0.50

cd/1000 lm
90° 90°
60° 60°
50
100
30° 30°
0°
Lamp:
DLOR: 0.43 **LOR:** 0.46

Ordering Guide Supplied complete with lamp and gear set.

Part Number	Description	Wt (lb)	SAP Code
MADISON 1000	LANTERN & COLUMN, FLANGE MOUNTED INC. FIXING BOLTS	94.8	96004364

Madison 700

Medium size post-top lantern available with three different column designs - inverted conical, cylindrical or step column

- Designed to complement the Madison 1000 and Madison Bollard/Wall ranges
- Available with medium base Metal Halide ED17 lamp and electronic ballast 70-150W or Compact Fluorescent

Materials/Finish
As Madison 1000.
Step column: Galvanized steel.

Installation/Mounting
Lantern can be mounted on 3 different 9.5' columns:
Conical/Cylindrical (4.25")
with ballast in column top.
Step column (2.36" spigot)
with ballast mounted in base.
Step column door size 3.36"
by 15.75".

Specification
To specify state:
Elegant 27.56" diameter post top lantern in cast aluminum for indirect lighting with matching cylindrical, conical, or step column. IP65.
As Thorn Madison 700.

Certification
Luminaire shall be certified for Indoor/Outdoor use, wet location, to meet UL 1598 standards and CSA Std. C22.2 NO.250.
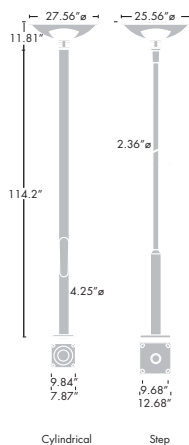
Step column

Cylindrical column

Conical column

Ordering Guide Order lantern head, gear set and columns to obtain complete unit. Lamps to be ordered separately.

Part Number	Description	Socket	Wt (lb)	SAP Code
Conical column				
MADISON 700 NG COL/CO CL ANT	2.3' LANTERN HEAD	Med.	28.4	96005442
MADISON 700 COL 2,9M CCO MPL ANT	COLUMN, FLANGE PLATE MOUNTED		55.1	96005438
MADISON E27	TOP SOCKET PLATE	Med.		96100294
Cylindrical columns (4.25" Ø)				
MADISON 700 NG COL/D108 CL ANT	2.3' LANTERN HEAD	Med.	15.4	96005443
MADISON 700 COL 9.5' D108 MPL ANT	COLUMN, FLANGE PLATE MOUNTED		25.0	96005440
MADISON 700 PL G12 COL/D108/D60	TOP SOCKET	G12	1.1	96005455
Step column (2.36" Ø shaft)				
MADISON 700 NG COL/D60 CL ANT	LANTERN HEAD	Med.	15.4	96005444
MADISON 700 COL/D60 ST 2.9M MPL	COLUMN, FLANGE PLATE MOUNTED		46.3	96101900
MADISON 700 F. M108M60 E27	TOP SOCKET PLATE	Med.	1.1	96005454
MADISON 700 PL G12 COL/D108/D60	TOP SOCKET PLATE	G12	1.1	96005455
Accessory				
AVENUE SPIKE Ø102-140	FINNED SUPPORT FOR BURYING		4.4	96004338

*mounts in column base, also order 96005455 - J140051 top socket plate

** mounts in column base, also order 96005454 - J140044 top socket plate

27.56"ø   25.56"ø
11.81"
2.36"ø
114.2"
4.25"ø
9.84" / 7.87"   9.68" / 12.68"
Cylindrical   Step

Madison Wall and Bollards

Elegant wall light and bollards, complementing the Madison lantern and column range

- Excellent glare control and comfort for users and neighbors
- Designed with simplicity and elegance
- Coordinated range of wall lights and bollards
- Variety of lamp types
- Luminaire head takes on floating appearance when lit
- Two sizes of bollard
- Available with medium base Metal Halide ED17 lamp and electronic ballast 70-150W or Compact Fluorescent

Materials/Finish
Lantern: die cast aluminum, powder-coated textured silver on outside, white on inside
Hemispherical globe: clear, UV and shock resistant polycarbonate
Lamp enclosure: opal acrylic at sides with sandblasted refractor glass in the top
Socket and lock ring: cast aluminum, powder-coated textured silver
Bollard: aluminum, powder coated textured anthracite. Versions available in other textured finishes (black red/ black green/steel blue) to order.
Wall Bracket: die cast aluminum, powder-coated textured silver.

Installation/Mounting
Bracket fixes directly to wall. Ballast in wall arm.
Bollard: Conical 3.93' or 5.9' bollard containing control gear. Can be root or surface flange mounted.

Specification
To specify state:
Elegant wall mounted luminaire/3.93'/5.9' conical bollard for 50W MH/ 26W TC-T /39W MH.
As Thorn Madison Wall/Bollard.

Certification
Luminaire shall be certified for Indoor/Outdoor use, wet location, to meet UL 1598 standards and CSA Std. C22.2 NO.250.
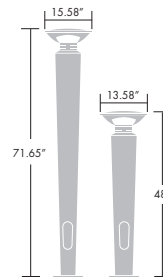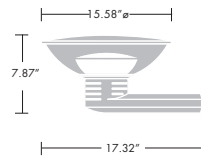
Ordering Guide Lamps to be ordered separately.

New Description	Socket	Wt (lb)	SAP Code
Wall (Also available in LED)			
MADISON W340 26W TC-TEL CL1 SIL	GX24q-3	9.9	96004543
MADISON W340 50W MH	MED	9.9	96100844

New Description	Socket	Wt (lb)	SAP Code	Wt (lb)
Bollard			**Flange mounted***	
MADISON BOL 26W TC-TEL 1M8	GX24q-3	30.86	96004453	33.07
MADISON BOL 50W MH 1M8	MED	33.07	96004457	
MADISON BOL 39W MH HIDE 1M8	G12	30.86	96010553	33.07
MADISON BOL 26W TC-TEL 1M2	GX24q-3	26.45	96004455	
MADISON BOL 50W HME 1M2	MED	28.66	96004459	30.86
MADISON BOL 39W MH 1M2	G12	26.45	96100311	28.66
MADISON BOL ITNMT	LED			

Accessories

1M8 - 5.9' bollard, 1M2 - 3.9' bollard
*Flange plate fixing bolts included

15.58"ø
7.87"
17.32"

15.58"
13.58"
71.65"
48"

Avenue Collection

A harmonized range of post top
lanterns, plus matching options
in bollards and wall mounting units.
Also included are dedicated
columns of appropriate heights.

Here you will find a choice of four lanterns styles, where elegance combined with efficiency forms the design platform, resulting in a wide choice of efficient indirect lighting options. Luminaires from the Avenue Collection can be used in combination or on their own. All solutions give the surroundings a unique architectural appearance.
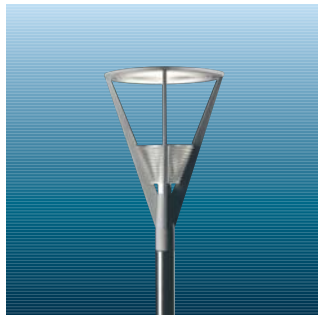
*Avenue Virtual*

Avenue Virtual

The 'virtual' lantern uses a unique top reflector system combined with a precision light projector, housed in a body finished in a silver grey paint technique. The closed projector achieves 97% containment of output within the top reflector system, minimizing light pollution.
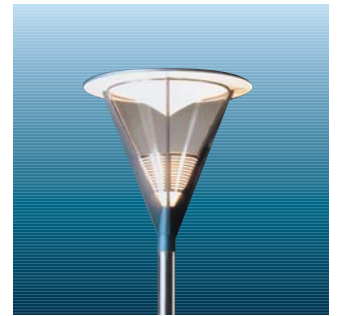
Avenue F

Avenue F

Simplified styling is incorporated, offering a clean elegance which can support traditional or modern environments. Dedicated column options are included, plus a wall bracket mounting version.
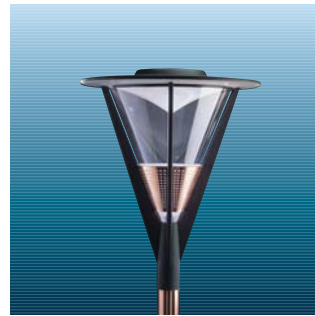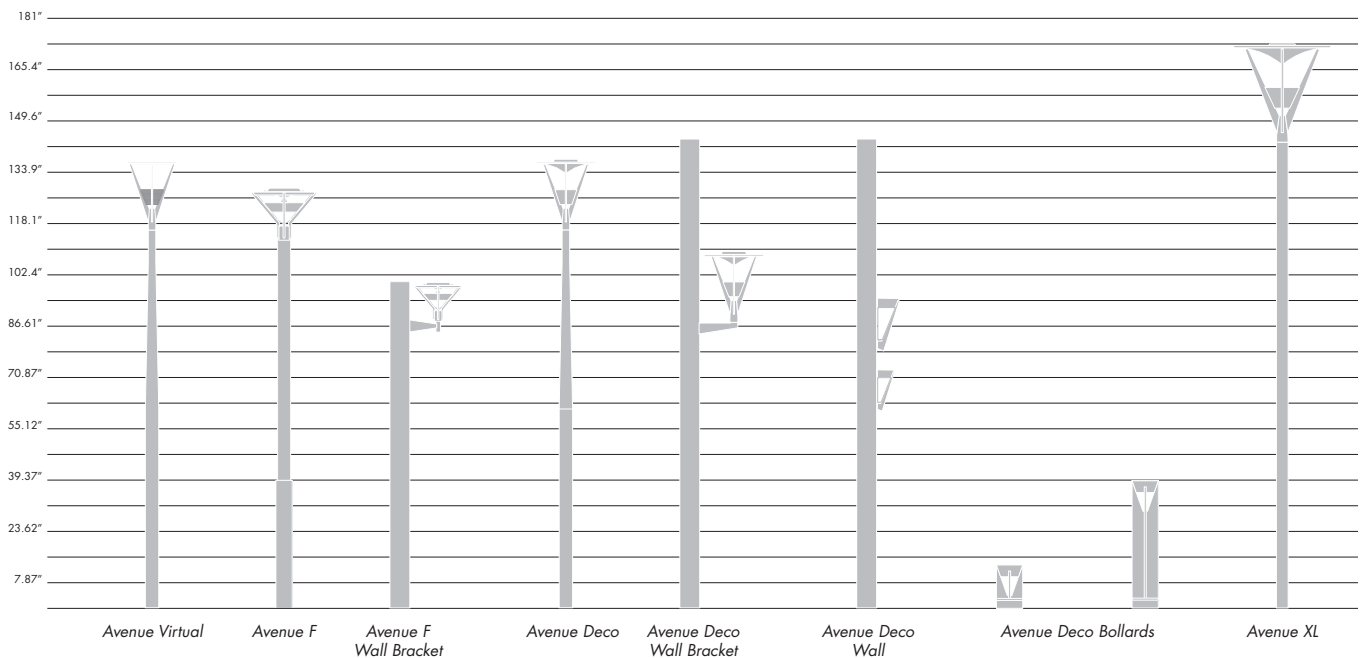
Avenue Deco

Avenue Deco

With the lamp shielded from direct view by decorative inserts, and a high efficiency profiled reflector head, Avenue Deco embodies strong design values with full regard to aesthetic needs. Dedicated columns have optional sleeving, and the offer is completed by a wall mounting lantern, two wall lights, and a bollard.

Avenue XL

Avenue XL

A larger version of Avenue Deco for use in areas where higher light output is required, the XL can be used with the Deco bollards and wall mounting units to achieve a harmonized appearance for a project. A wider option of columns is included, in heights to complement the larger lantern size.

| 181" |
| 165.4" |
| 149.6" |
| 133.9" |
| 118.1" |
| 102.4" |
| 86.61" |
| 70.87" |
| 55.12" |
| 39.37" |
| 23.62" |
| 7.87" |

| Avenue Virtual | Avenue F | Avenue F Wall Bracket | Avenue Deco | Avenue Deco Wall Bracket | Avenue Deco Wall | Avenue Deco Bollards | Avenue XL |

NORTH STAR
LIGHTING, INC.

15

Avenue Virtual

An elegant, decorative indirect lighting lantern, with a choice of complementary columns

- Luminaire and reflector design give 100% indirect lighting and prevent the spread of light above the horizontal

- Excellent performance: 95% of the light emitted from the light source is captured by the top reflector

- Flat top reflector with multiple rings eradicates glare while controlling the light distribution for excellent uniform illuminance

- Decorative lamp shield provides visual appeal

- Silver effect finish for high visual impact

- Electronic MH ballast in the column 70-150W

- High quality white light

- Wall mounted versions available on request

- XL version with extended top disc canopy

Materials/Finish
Canopy: die-cast aluminum, powder coated silver colour, textured (close to RAL 9006)
Top reflector: pressed semi-specular aluminum with clear lacquer protection
Closure screen: heat resistant Borosilicate glass, coated with weather resistant optical lacquer for optimal transmission of light
Bowl: pressed anodized aluminum. Outer surface treated for optimal weather resistance
Lamp shield: UV stabilized PC
Arm and arm base: die cast aluminum, powder coated silver colour, textured (close to RAL 9006)
Column: 9.84' aluminum, powder coated anthracite

Installation/Mounting
Lantern recommended mounting height 9.84'.
Post-top lantern: suitable for 2.36" Ø x 3.93" long tenon.
Columns: supplied with four fixing bolts (JT 16/14 x 300).
9.84' column tapers from 4.48" Ø to 2.99" Ø with 2.36" Ø tenon.

Certification
Luminaire shall be certified for Indoor/Outdoor use, wet location, to meet UL 1598 standards and CSA Std. C22.2 NO.250.

Avenue Virtual

Avenue Virtual XL

Specification

To specify lanterns state: aluminum bodied conical lantern with extended top disc canopy for post top mounting with UV resistant polycarbonate lamp shield and Borosilicate glass projector closure screen, powder coated silver colour, textured. Flat top reflector with multiple rings. Indirect lighting, for use with metal halide lamp and electronic ballast.
As Thorn Avenue Virtual/XL.
To specify columns state: 3m tapered aluminum column. Supplied for root/flange mounting.
As Thorn Avenue Deco column.

Ordering Guide

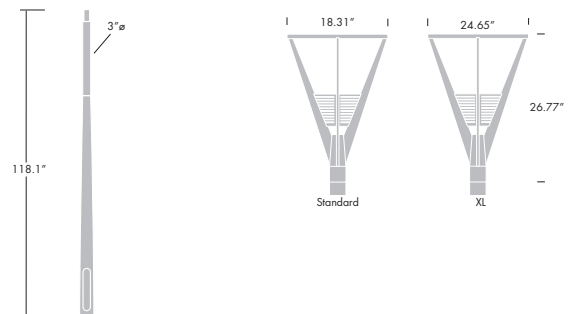| New Description		Socket	Wt (lb)	SAP Code
Lantern				
AVENUE V AL/SIL AL/SIL/D465CAP	AVENUE VIRTUAL LANTERN	G12	18.96	96009519
AVENUE VIRTUAL XL TXTTM	AVENUE VIRTUAL XL LANTERN	G12	27.55	96103093
Columns (3m)				
AVENUE D COL 3M CU MPL ANT	WITH COPPER SLEEVE, FLANGE MOUNTED		46.29	96004478
AVENUE D COL 3M RS MPL ANT	WITH STAINLESS STEEL SLEEVE, FLANGE MOUNTED		46.29	96004480
AVENUE D COL 3M CO MPL ANT	WITHOUT SLEEVE, FLANGE MOUNTED		46.29	96004476

Available in 70-150W MH

Certification

Luminaire shall be certified for Indoor/Outdoor use, wet location, to meet UL 1598 standards and CSA Std. C22.2 NO.250.

Top plate - XL version

3″ ø

118.1″

18.31″

Standard

24.65″

26.77″

XL

Bottom reflector

Decorative lamp shield

cd/1000 lm

Avenue Virtual
Lamp: 70W MH
DLOR: 0.49 **LOR:** 0.52

lux/1000 lm

Avenue Virtual
Mounting height: 12′

NORTH STAR
LIGHTING, INC.

17

Avenue F

THORN

Design coordinated family of
amenity luminaires comprising
post top and wall bracket
mounted lanterns and
decorative columns

• Lantern design minimizes
  the spread of light above
  the horizontal

• Choice of opal or clear conical
  shaped bowl, in two sizes

• Clear diffuser is enhanced by a
  luminous frosted band to limit
  glare and enhance performance

• Available with medium base
  Metal Halide ED17 lamp and
  electronic ballast 70-150W.

• Control gear integral within
  lantern canopy. Additional
  choice for wall version of
  control gear in bracket

• Columns available for rooted
  or flange plate mounting

• A matching bollard and
  surface mounting wall light.
  also available

Materials/Finish
Lantern body, canopy and wall
flange: aluminum, powder
coated anthracite, textured.
Wall bracket with gear: cast
aluminum, anthracite, textured.
Wall bracket less gear: cast
aluminum and Galvanized steel,
finished anthracite, textured.
Lantern bowl: opal or clear
(with sandblasted frosted ring)
polycarbonate.
Column: extruded and cast
aluminum, powder-coated
anthracite.

Installation/Mounting
Lanterns recommended mounting
height 10.13'.
Post-top lantern: integral control
gear in canopy. Avenue F 700 -
suitable for 2.36" Ø x 3.93" long
spigot. Avenue F 500 - suitable
for 1.65" Ø spigot.
Wall lantern: mounts directly to
wall via two .39" Ø holes at
4.72" centers. 5 way terminal
block for .24"² conductors.
Looping possible. Integral
control gear in lantern canopy
or wall bracket.
Columns: Fixes via four .78" Ø
holes at 7.86" centers.
Column houses control gear for
the Avenue F700 - E27
less gear lantern.

Specification
To specify lanterns state:
Large/small aluminum bodied
conical lantern for post top/wall
mounting/gear in wall bracket/
with opal/clear bowl, finished
textured anthracite employing
70-150W MH lamp.
As Thorn Avenue F.
To specify columns state:
.11"/.08" aluminum with 4
parallel square rods/cross profile.
Supplied for root/flange mounting.
As Thorn Avenue F700/F500
column.

Certification
Luminaire shall be certified
for Indoor/Outdoor use, wet
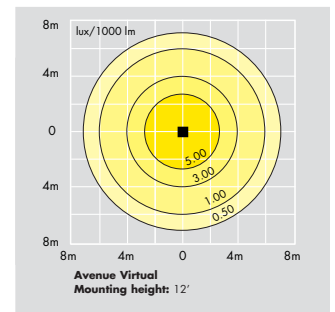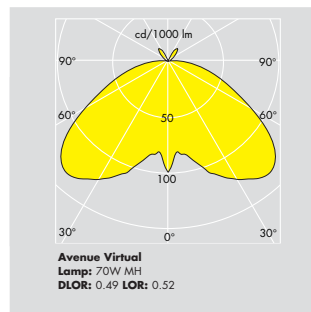location, to meet UL 1598
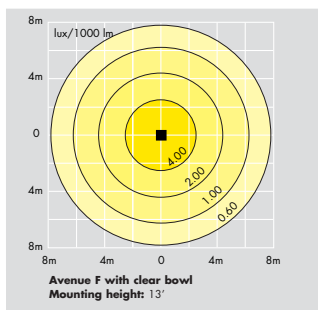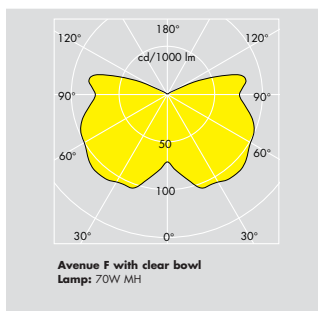standards and CSA Std.
C22.2 NO.250.

Wall bracket lantern

Cross profile

Parallel, square profile

Avenue F with clear bowl
Lamp: 70W MH

Avenue F with clear bowl
Mounting height: 13'

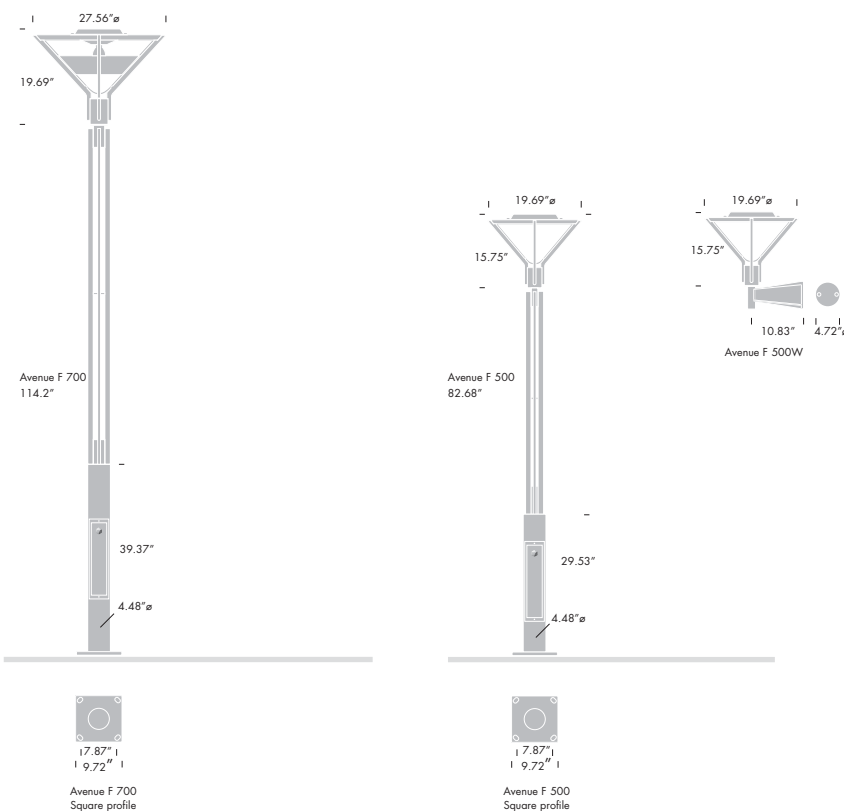| Catalog Number	Description	Socket	AVENUE F700		AVENUE F500	
			Wt (lb)	SAP Code	Wt (lb)	SAP Code
Post Top Lantern						
AVENUE DG CL TXANT	WITH CLEAR BOWL	Med.	22.04	96100329	17.6	96100341
AVENUE DG OP TXANT	WITH OPAL BOWL	Med.	22.04	96006349	17.6	96100344
AVENUE DG CL TXAN	WITH CLEAR BOWL	Med.	22.04	96004433	17.6	96004438
AVENUE DG OP TXAN	WITH OPAL BOWL	Med.	22.04	96004436	17.6	96004440
AVENUE ECL CL1 ANT	WITH CLEAR BOWL	Med.	22.04	96004432	~	~
AVENUE DG OP TXA	WITH OPAL BOWL	Med.	22.04	96004435	~	~
AVENUE A CL TXANT*	WITH CLEAR BOWL	Med.	22.04	96100328	17.6	96100340
AVENUE A OP TXANT*	WITH OPAL BOWL	Med.	22.04	96100331	17.6	96100343
Avenue F700 Columns (2.9m)						
AVENUE F COL M4 2.9M MPL ANT	FLANGE PLATE		37.48	96004451		
AVENUE F COL M1 2.9M MPL ANT	CROSS PROFILE, FLANGE PLATE		37.48	96004449		
Avenue F500 Columns (2.1m)						
AVENUE F500 M4 2.1M MPL ANT	WITH 4 PARALLEL SQUARE RODS, FLANGE PLATE				22.04	96004485
AVENUE F500 COL M1 2.1 MPL ANT	CROSS PROFILE, FLANGE PLATE				22.04	96004487

Part Number	Description	Socket	Wt (lb)	SAP Code	Wt (lb)	SAP Code
Avenue F500 Wall Bracket Lantern						
AVENUE F500W DG CL TXANT	WITH CLEAR BOWL	Med.base	19.8	96100354	22.04	96004442
AVENUE F500W DG OP TXANT	WITH OPAL BOWL	Med.base	19.8	96100357	22.04	96007903
AVENUE F500W DG CL TXANT	WITH CLEAR BOWL	Med.base	19.8	96010558	22.04	96007214
AVENUE F500W DG OP TXANT	WITH OPAL BOWL	Med.base	19.8	96100356	22.04	96004444

To specify wattage and lamp type add to end of part number 70, 100 or 150 MH only

Ordering Example

AVENUE DG CL TXANT 70 96100341

27.56"ø
19.69"

Avenue F 700
114.2"

39.37"

4.48"ø

19.69"ø
15.75"

Avenue F 500
82.68"

29.53"

4.48"ø

19.69"ø
15.75"

10.83"   4.72"ø

Avenue F 500W

7.87"
9.72"

Avenue F 700
Square profile

7.87"
9.72"

Avenue F 500
Square profile

Avenue Deco

Design co-ordinated family of amenity luminaires comprising post top, wall bracket mounted lanterns and tapered columns

- Design minimizes the spread of light above the horizontal
- Variety of decorative lamp shields for lantern
- Column has choice of copper or steel finished sleeve to match lamp shields

- Available with medium base Metal Halide ED17 lamp and electronic ballast 70-150W.
- Control gear integral within lantern or bracket
- A matching bollard and wall light also available

Materials/Finish

Lantern body and canopy: cast aluminum, finished anthracite
Lantern bowl: clear polycarbonate, opal to order
Lamp shields: opal polycarbonate, copper-plated steel or stainless steel
Column: aluminum, powder coated anthracite, fitted with a 3' decorative sleeve, finished in untreated polished copper or satin stainless steel

Installation/Mounting

Lantern: recommended mounting height 9.8'. Suitable for 2.36' Ø tenon. 3 way terminal block for .16"² conductors. Integral control gear. Control gear in lantern or wall bracket.
Column: root or flange plate mounted. Latter supplied with four fixing bolts (JT16/14 x 300). 9.8' column tapers from 4.48" Ø to 2.99" Ø with 2.36" Ø spigot.

Copper perforated lamp shield

Stainless steel slotted lamp shield

Wall bracket lantern

Polycarbonate shield

© AD'HOC - K. DESMOULINS
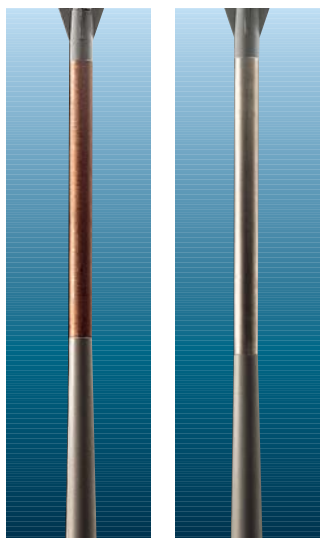
Specification
To specify state:
Lantern: aluminum bodied conical lantern for post top/wall bracket mounting with opal/clear bowl and copper/stainless steel/perforated/slotted/opal polycarbonate diffuser, finished anthracite.
Employing MH lamp.
As Thorn Avenue Deco.

Column: 9.8' tapered aluminum column with or without decorative sleeve, finished copper/stainless steel.
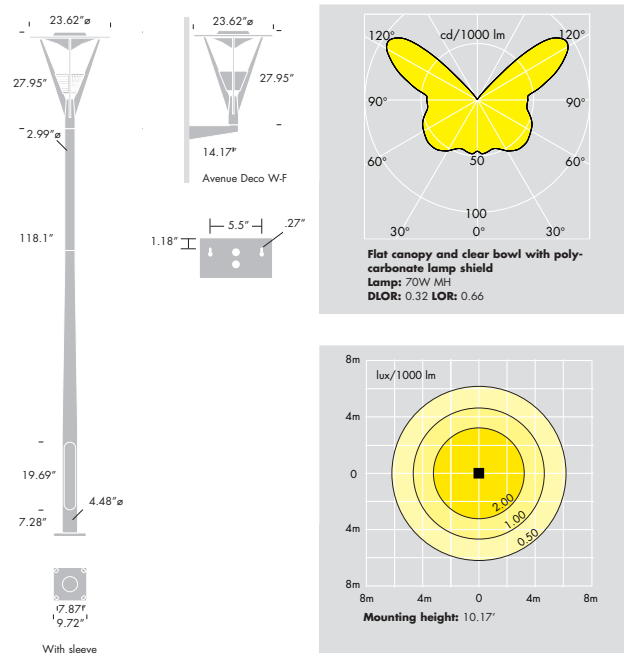As Thorn Avenue Deco column.

Copper and stainless steel sleeves

Certification
Luminaire shall be certified for Indoor/Outdoor use, wet location, to meet UL 1598 standards and CSA Std. C22.2 NO.250.

23.62"ø
27.95"
2.99"ø
118.1"
19.69"
7.28"
7.87"
9.72"
With sleeve

23.62"ø
27.95"
14.17"
Avenue Deco W-F
5.5" .27"
1.18"
4.48"ø

Flat canopy and clear bowl with poly-carbonate lamp shield
Lamp: 70W MH
DLOR: 0.32 **LOR:** 0.66

cd/1000 lm

lux/1000 lm
Mounting height: 10.17'

Ordering Guide
Order lantern and column for complete fitting. Lamps to be ordered separately

Description		Socket	Weight (lb)	SAP Code
Post top lantern with clear bowl and flat canopy. Complete with integral control gear.				
AVENUE D PC	POLYCARBONATE LAMP SHIELD	Med. Base	37.48	96004502
AVENUE D CU2	COPPER (PERFORATED) LAMP SHIELD	Med. Base	37.48	96004500
AVENUE D CU4	COPPER (SLOTTED) LAMP SHIELD	Med. Base	37.48	96004501
AVENUE D FE2	STAINLESS STEEL (PERFORATED) LAMP SHIELD	Med. Base	37.48	96004498
AVENUE D FE4	STAINLESS STEEL (SLOTTED) LAMP SHIELD	Med. Base	37.48	96004499
AVENUE D PC	POLYCARBONATE LAMP SHIELD	Med. Base	37.48	96004507
AVENUE D CU2	COPPER (PERFORATED) LAMP SHIELD	Med. Base	37.48	96004505
AVENUE D CU4	COPPER (SLOTTED) LAMP SHIELD	Med. Base	37.48	96004506
AVENUE D FE2	STAINLESS STEEL (PERFORATED) LAMP SHIELD	Med. Base	37.48	96004503
AVENUE D FE4	STAINLESS STEEL (SLOTTED) LAMP SHIELD	Med. Base	37.48	96004504

Domed and pointed canopies available to order. Lanterns also available with opal bowls on request.
To specify wattage and lamp type add to end of part number 70, 100, 150W MH only.

Columns (3m tapered)				
AVENUE D COL 3M CU MPL ANT	WITH COPPER SLEEVE, FLANGE MOUNTED		46.3	96004478
AVENUE D COL 3M RS MPL ANT	WITH STAINLESS STEEL SLEEVE, FLANGE MOUNTED		46.3	96004480
AVENUE D COL 3M CO MPL ANT	WITHOUT SLEEVE, FLANGE MOUNTED		46.3	96004476

Wall Bracket Lantern with clear bowl. Control gear in bracket. Lamps to be ordered separately.				
AVENUE D WF PC 1x80W MH C6	POLYCARBONATE LAMP SHIELD	Med. Base	37.48	96004512
AVENUE D WF CU2 1x80W MH C6	COPPER (PERFORATED) LAMP SHIELD	Med. Base	37.48	96004510
AVENUE D WF CU4 1x80W MH C6	COPPER (SLOTTED) LAMP SHIELD	Med. Base	37.48	96004511
AVENUE D WF FE2 1x80W MH C6	STAINLESS STEEL (PERFORATED) LAMP SHIELD	Med. Base	37.48	96004508
AVENUE D WF FE4 1x80W MH C6	STAINLESS STEEL (SLOTTED) LAMP SHIELD	Med. Base	37.48	96004509

Avenue XL

A high performance post top mounted amenity lantern, with associated columns

Design:

- Complements the Avenue Deco range
- Flat canopy minimizes the spread of light above the horizontal
- Variety of perforated lamp shields
- Control gear integral within lantern canopy

- Available with medium base Metal Halide ED17 lamp and electronic ballast 70-150W.
- Choice of three matching columns
- Decorative column has choice of copper or steel finished sleeve to match lamp shields

Materials/Finish
Lantern body: cast aluminum, powder coated anthracite
Lantern canopy: aluminum, powder coated anthracite, reflector powder-coated white
Lantern bowl: clear polycarbonate
Diffuser/lamp shields: copper-plated steel or stainless steel
Tapered column: aluminum, powder coated anthracite
4.52" Ø parallel column: aluminum, anthracite finish
Decorative column: aluminum, anthracite finish, fitted with a 2.95' sleeve, finished in untreated polished copper or satin stainless steel

Certification
Luminaire shall be certified for Indoor/Outdoor use, wet location, to meet UL 1598 standards and CSA Std. C22.2 NO.250.

Installation/Mounting
Lanterns recommended mounting height 11.48'.

Specification
To specify lantern state: aluminum bodied conical lantern for post top mounting with clear bowl and copper/stainless steel/slotted/holed/lamp shield, finished anthracite.
As Thorn Avenue XL.

To specify column state: 11.48' tapered/4.25" Ø/ decorative aluminum column with copper/stainless steel finished sleeve.
As Thorn Avenue XL column.

35.43"ø

35.43"
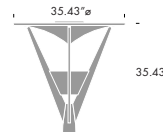
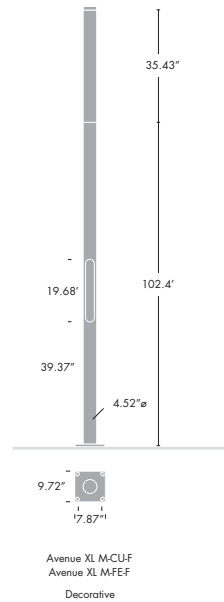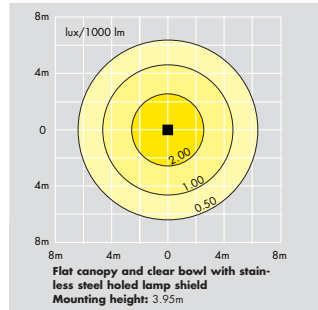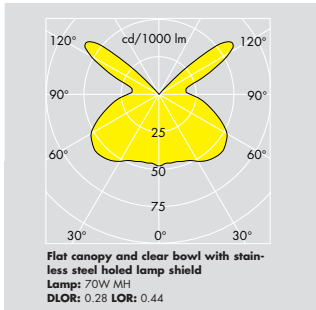*Copper holed lamp shield*

Stainless steel holed lamp shield

Stainless steel slotted lamp shield on an Avenue XL column with stainless steel sleeve

Ordering Guide Lamps to be ordered separately. Order lantern and gear tray for complete luminaire.

Description		Weight (lb)	SAP Code
Post Top Lantern with flat canopy and clear bowl			
AVENUE XL HEAD CU2	WITH COPPER (HOLED) LAMP SHIELD	59.5	96005373
AVENUE XL HEAD CU4	WITH COPPER (SLOTTED) LAMP SHIELD	59.5	96005374
AVENUE XL HEAD FE2	WITH STAINLESS STEEL (HOLED) LAMP SHIELD	59.5	96005371
AVENUE XL HEAD FE4	WITH STAINLESS STEEL (SLOTTED) LAMP SHIELD	59.5	96005372
Columns (3.5m)			
AVENUE XL COL 11.48' D150 CO	TAPERED 5.9" Ø TO 4.25" Ø, FLANGE	33.06	96004418
AVENUE XL COL 11.48' D108 CO	DECORATIVE 4.25" Ø, COPPER SLEEVE, FLANGE	39.68	96004422
AVENUE XL COL 11.48' D108 CO	DECORATIVE 4.25" Ø, STAINLESS STEEL SLEEVE, FLANGE	39.68	96004420

Flat canopy and clear bowl with stainless steel holed lamp shield
Lamp: 70W MH
DLOR: 0.28 LOR: 0.44

Flat canopy and clear bowl with stainless steel holed lamp shield
Mounting height: 3.95m

Avenue XL M-CU-F
Avenue XL M-FE-F
Decorative

Avenue Deco

Elegant bollard and wall light,
complementing the Avenue Deco
lantern and column range

Design:

- Bollard version for flange, root
  or parapet mounting
- Variety of lamp types
- Characteristic cross design
  divides the light from the cone
- Choice of sizes, large or small

Materials/Finish
Wall light body: cast aluminum,
anthracite finish
Diffuser: polycarbonate, opal finish
Bollard: top and column of
cast/extruded aluminum, powder
coated anthracite
Diffuser: sandblasted
polycarbonate

Installation/Mounting
Wall light: Mounts directly to wall.
Flange mounted bollard base as
flange plate - fixes via four .39" Ø
holes at 6.29" x 6.29" centers.

Specification
To specify state:
Wall light: aluminum bodied,
small/large, semi-conical wall
light for surface/bracket mounting
with polycarbonate diffuser
employing 26W/50W MH.
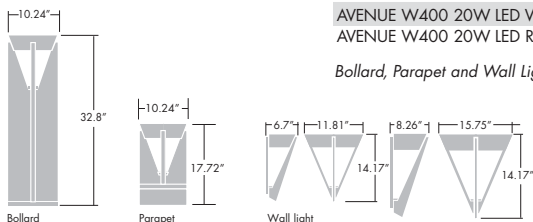As Thorn Avenue Deco.
Bollard:
As Thorn Avenue Deco.

Certification
Luminaire shall be certified
for Indoor/Outdoor use, wet
location, to meet UL 1598
standards and CSA Std.
C22.2 NO.250.

Ordering Guide Lamp to be ordered separately

New Description		Socket	Wt (lb)	SAP Code
Bollard (3.28' high) - for root mounted versions order bollard and ground spike				
AVENUE BOL 26W, 32W, 42W CFL	FLANGE MOUNTING	G24d-3	39.68	96004375
AVENUE BOL 50W MH	FLANGE MOUNTING	Med. Base	38.1	96004377
AVENUE BOL 20W LED White				
AVENUE BOL 20W LED RGB		GX24q-3		
Parapet (17.7" high)				
AVENUE BOL 26W, 32W, 42W CFL	FLANGE MOUNTING		26.45	96101917
AVENUE BOL 50W MH	FLANGE MOUNTING	Med. Base	26.45	96100843
AVENUE BOL 20W LED White				
AVENUE BOL 20W LED RGB				
Wall Light complete with integral control gear				
AVENUE W300 26W, 32W, 42W CFL	SMALL	G24d-3	3.2	96004428
AVENUE W400 26W, 32W, 42W CFL	LARGE	GX24q-3	4.0	96004429
AVENUE W400 50W MH	LARGE	Med. Base	5.6	96004431
AVENUE W400 20W LED White				
AVENUE W400 20W LED RGB				

Bollard, Parapet and Wall Light complete with integral control gear

10.24"

32.8"

Bollard

10.24"

17.72"

Parapet

6.7" 11.81"   8.26"   15.75"

14.17"   14.17"

Wall light

NORTH STAR
LIGHTING, INC.

Promenade

A stylish circular bollard with the emphasis on simple design and solid structure. It expresses safety, strength and harmony in urban amenity lighting applications

- Luminous top serves as a decorative guiding light
- Versions for flange, root or parapet mounting
- Available in a variety of lamp types or LED
- Acrylic diffuser with anti-glare band

Materials/Finish
Head and bollard: powder coated aluminium, anthracite
Top cone: Sand blasted polycarbonate
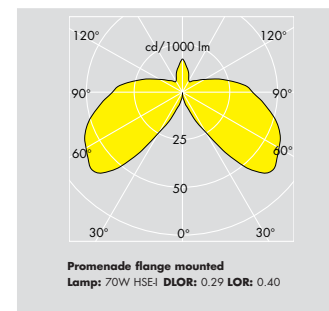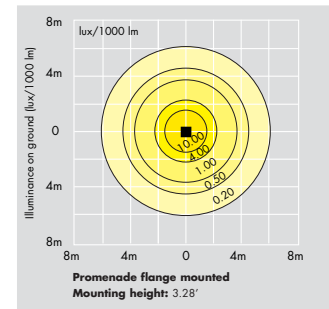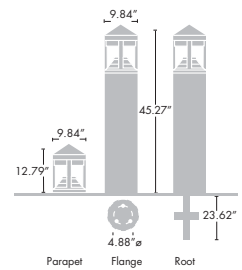Diffuser: clear polycarbonate with internal sand-blasted band

Installation/Mounting
Flange mounting plate or support for root mounting.
5 x 6mm² terminal block.
Looping possible.

Specification
To specify state:
Decorative aluminium bollard with clear diffuser including an anti-glare sand-blasted band and with small luminous cone. Parapet/Flange/Root mounted. As Thorn Promenade.

Certification
Luminaire shall be certified for Indoor/Outdoor use, wet location, to meet UL 1598 standards and CSA Std. C22.2 NO.250.

9.84″
45.27″
9.84″
12.79″
4.88″ø
23.62″

Parapet   Flange   Root

lux/1000 lm
8m
4m
0
4m
8m
Illuminance on ground (lux/1000 lm)
10.00
4.00
1.00
0.50
0.20
8m 4m 0 4m 8m

Promenade flange mounted
Mounting height: 3.28′

120°   cd/1000 lm   120°
90°   90°
60°   25   60°
                50
30°   0°   30°

Promenade flange mounted
Lamp: 70W HSE-I **DLOR:** 0.29 **LOR:** 0.40

Ordering Guide Lamps to be ordered separately.

New Description	Socket	Weight (lb)	SAP code
Flange Mounted (Anchor Bolts)			
PROMENADE 70W HPS	Med.	33.07	96100249
PROMENADE 26W, 32W, 42W CFL	GX24q-4	33.07	96004371
PROMENADE 70W MH	Med.	33.07	96004372
PROMENADE 60W LED (White or RGB)			96004373
Root Mounted Attachment			
PROMENADE GROUND SPIKE		11.02	96005367
Parapet Mounted			
PROMENADE PARAPET	GX24q-4	17.64	96100262
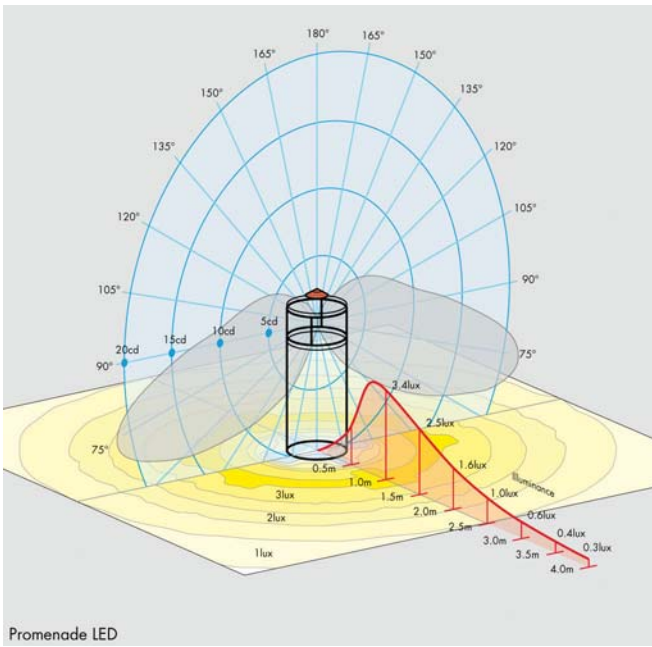
NORTH STAR
LIGHTING, INC.

Promenade LED

Alumet

Alumet is an elegant lighting feature, which is suitable for both classic and modern architecture
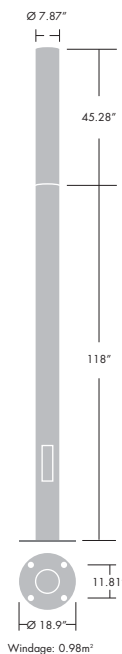
- Suitable for pedestrian precincts, building surrounds, shopping centers, parks and business centers
- A sleek and minimalist shape provides distinctive lighting effects by night and decorative urban effect during the day
- Exceptional visual comfort

- Electronic ballast ensures energy saving capabilities
- Ideal for creating visual guidance
- White light with good color rendering
- Bollard version available on request

Materials/Finish
Column: extruded aluminum, 9.84' Ø 7.84", finish powder coated light matt grey
Top canopy: die-cast aluminum, finish powder coated light matte grey
Diffuser: opal impact-resistant acrylic, 3.77', Ø 7.87"

Installation/Mounting
Overall height: 163.4"
(with lit part of 45.28")

Easy installation:
1. Ballast is housed inside the pole. Weight of gear is held by safety chain.

2. Base of lamp compartment secures by interior screws to enable a smooth exterior line between pole and illuminated section.

3. Top casting clamps the diffuser in place. Easy access for lamp replacement by using the M6 thread to remove the canopy.
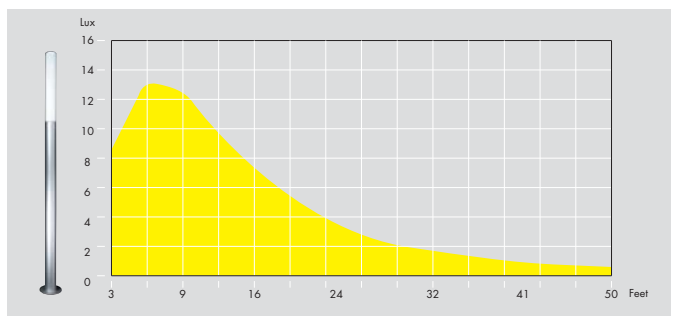
Specification
To specify state:
Decorative lighting column for 2 x 55W TC-L compact fluorescent lamps or LED with powder coated matt light grey aluminum pole.
As Thorn Alumet.

Certification
Luminaire shall be certified for Indoor/Outdoor use, wet location, to meet UL 1598 standards and CSA Std. C22.2 NO.250.

Ø 7.87"

45.28"

118"

11.81"

Ø 18.9"

Windage: 0.98m²

Ordering Guide Lamps to be supplied separately
For complete fitting specify head and pole

New Description	Socket	Weight (lb)	SAP Code
Alumet head			
ALUMET 2x55W FLUORESCENT 3.77'	2G 11	16.97	96102346
ALUMET 48W WHITE LED 3.77'			
ALUMET 80W RGB LED 3.77'			
aluminum pole			
ALUMET COL/AL/9.84'/MPL	FLANGE MOUNTING	70.5	96102357
ALUMET COL/AL/9.84'/MGR	ROOT MOUNTING	83.77	96102358

Lux

16
14
12
10
8
6
4
2
0

3   9   16   24   32   41   50   Feet

THORN