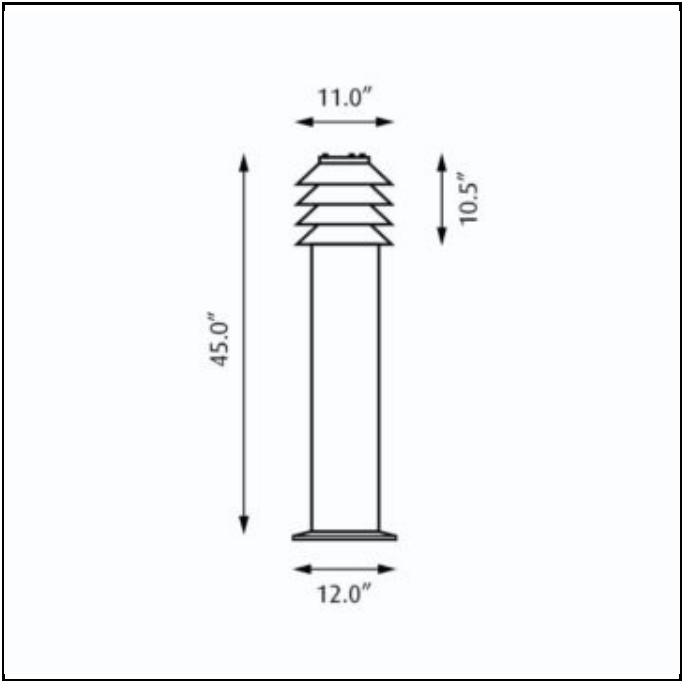


Bysted



- Design

Peter Bysted
- Concept

The fixture emits light directed downwards. The shades have a white painted undersurface to achieve optimal light reflection and produce a characteristic symmetric light pattern around the fixture.
- Finish

Cor-ten steel, raw.
- Material

Luminaire head: Die cast iron. Post: Cor-ten steel. Base plate: Cor-ten steel.
- Mounting

Base plate dimension: 12" diameter. Base plate: Mounted to a concrete base with 4 anchor bolts.
- Weight

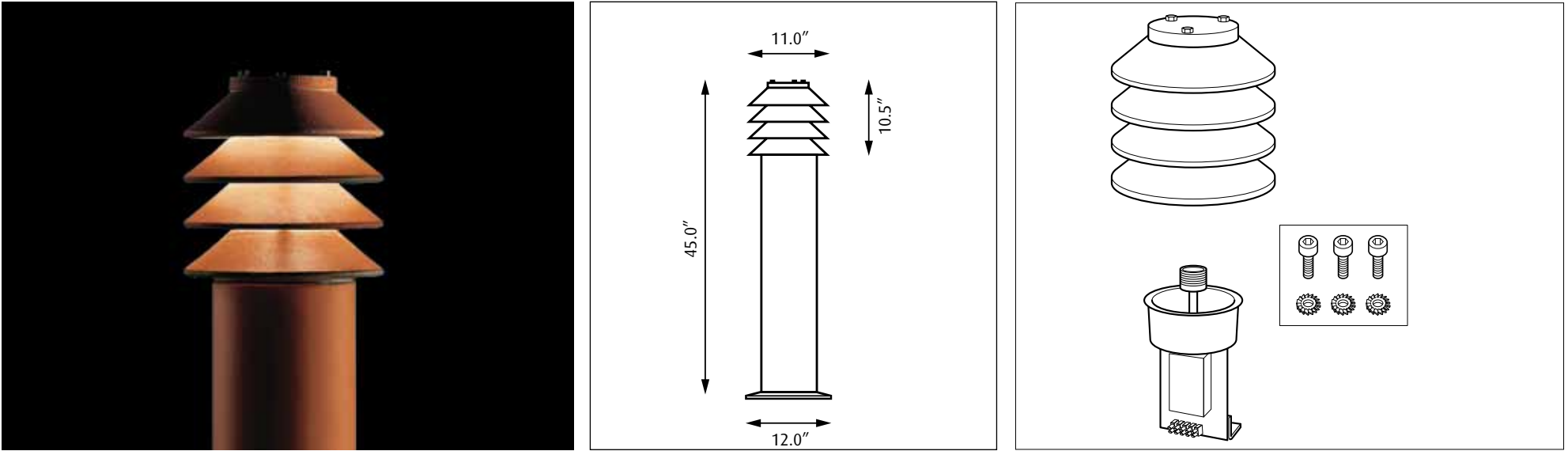
Max. 94 lbs.
- Label

cULus, Wet location. IBEW.

Product Code	Light source	Voltage	Finish	Features
BYS	1/100W/MH/ED-17 medium 30W LED/3000K 30W LED/4000K	120/277V 120-277V	COR-TEN	DIM 0-10V NOT APPLICABLE

Info notes
Oxidation of both Cor-ten steel and cast iron gives a rough and "rusty" looking surface which protects the material from further corrosion. The speed of the oxidation process is faster for Cor-ten than it is for cast iron.

Design Peter Bysted



Light source	Voltage	Weight	Electric shock protection	Ingress protection
1/100W/MH/ED 17 MED.	120/277V	94 Lbs	Cl. I	IP 44, Wet location

Recommended cleaning substances:

Wipe off dust wiht a dry, soft cloth. Remove greasy spots etc. with a soft cloth dampe-
ned in lukewarm water (<122° F/ 50° C) with a mild detergent.

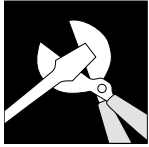
Warning: Scouring powder and similar substances will scratch surfaces.

All installation is subject to local code and jurisdiction.

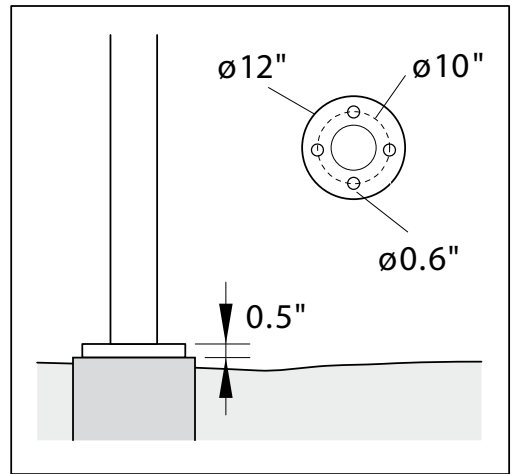
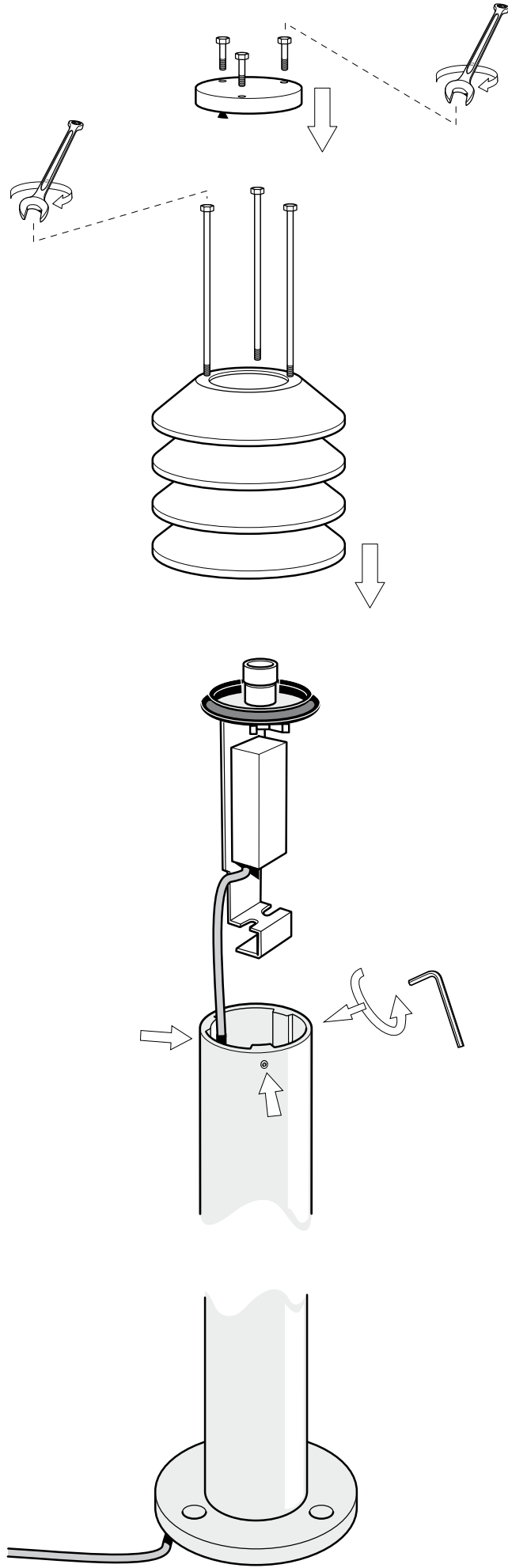
Consult a qualified electrician to ensure correct branch circuit conductor.

The installer must ensure that the foundation is stable and can support the luminiare’s weight.

The Installer must use proper means to secure the luminiare to the ground.



13 mm
5 mm

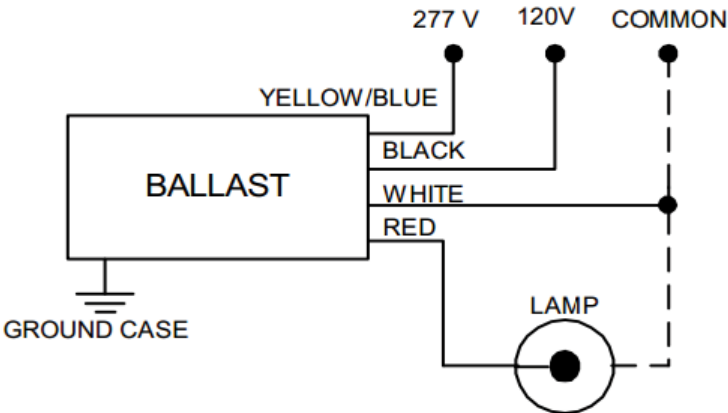


Lamp Replacement Labels

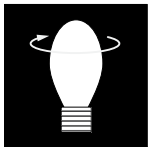
This luminaire may have different light source options.

The Installer must ensure that the lamp Replacement Label on the luminaire represents the appropriate light source and control gear.

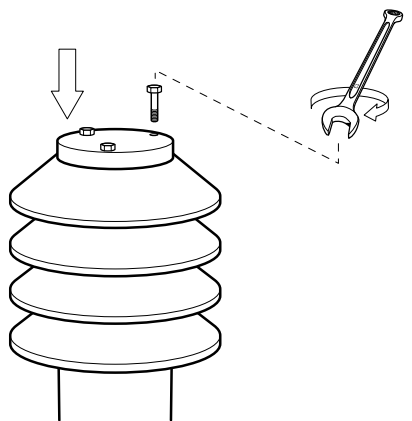
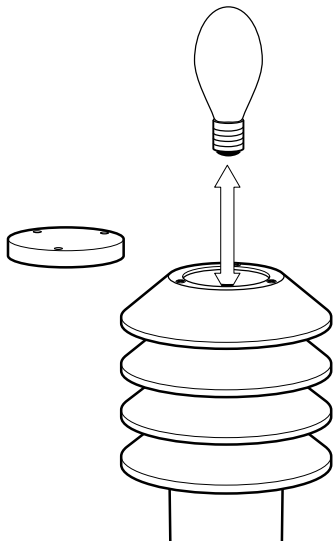
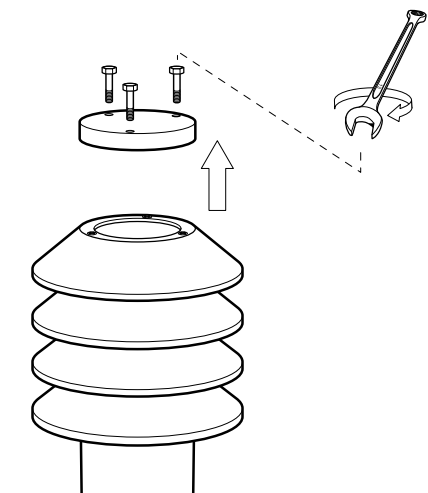
During installation the installer must delete, with a permanent marker, the lamp wattages that do not apply.



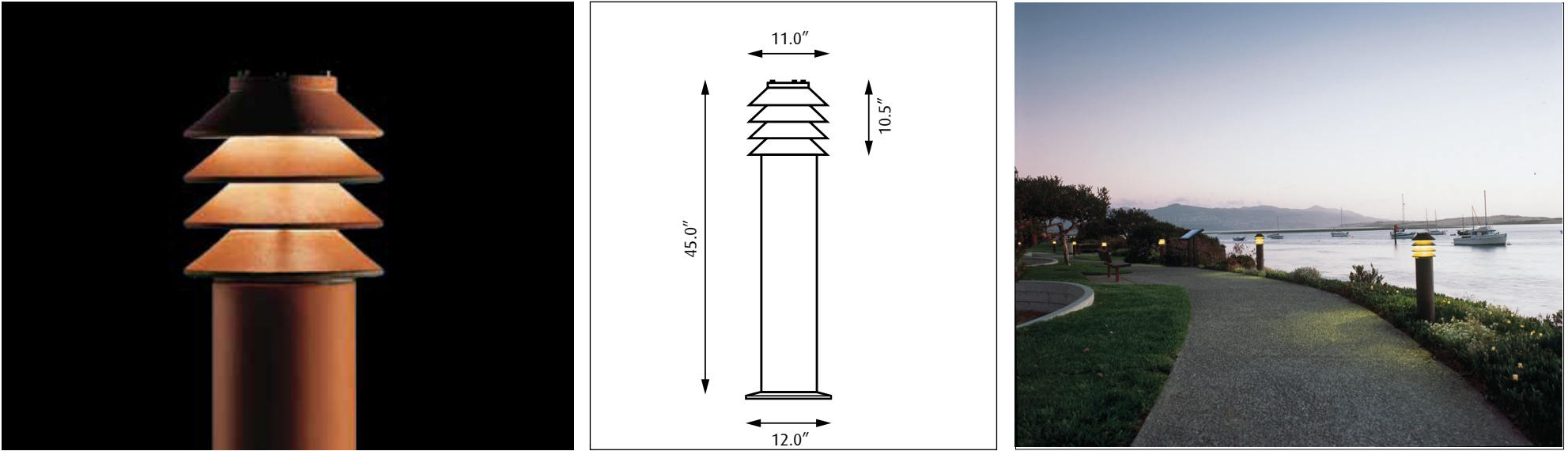
F-Can Wiring Diagram



13 mm



Design Peter Bysted



10000128433

Light source	Voltage	Weight	Electric shock protection	Ingress protection
LED	120/277V	94 Lbs	Cl. I	IP 44, Wet location

Recommended cleaning substances:

Wipe off dust wiht a dry, soft cloth. Remove greasy spots etc. with a soft cloth dampe-
ned in lukewarm water (<122° F/ 50° C) with a mild detergent.

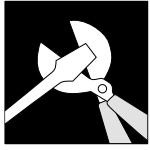
Warning: Scouring powder and similar substances will scratch surfaces.

All installation is subject to local code and jurisdiction.

Consult a qualified electrician to ensure correct branch circuit conductor.

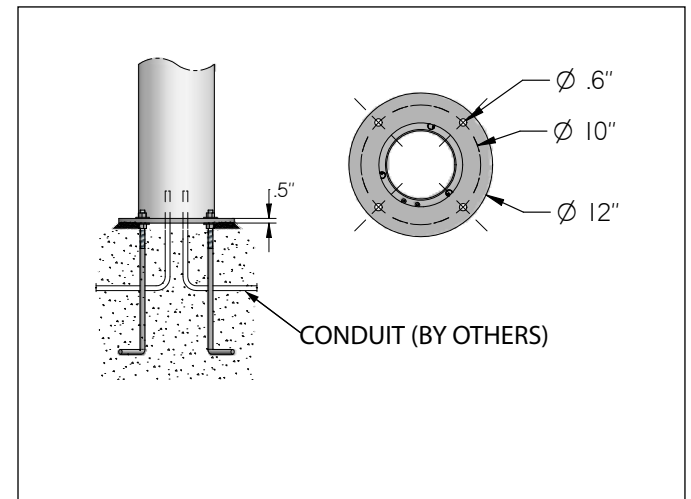
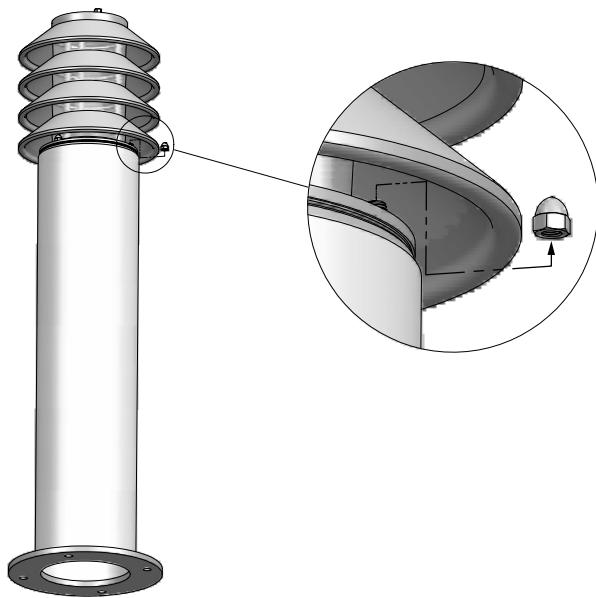
The installer must ensure that the foundation is stable and can support the luminiare’s
weight.

The Installer must use proper means to secure the luminiare to the ground.

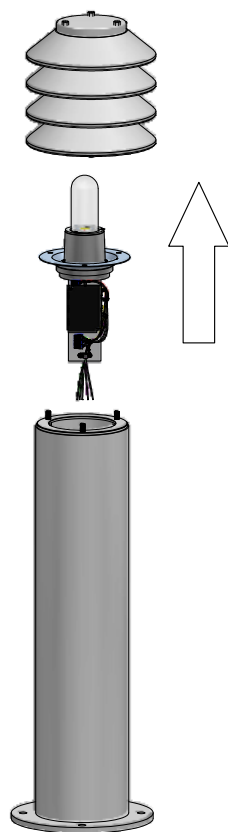


13 mm

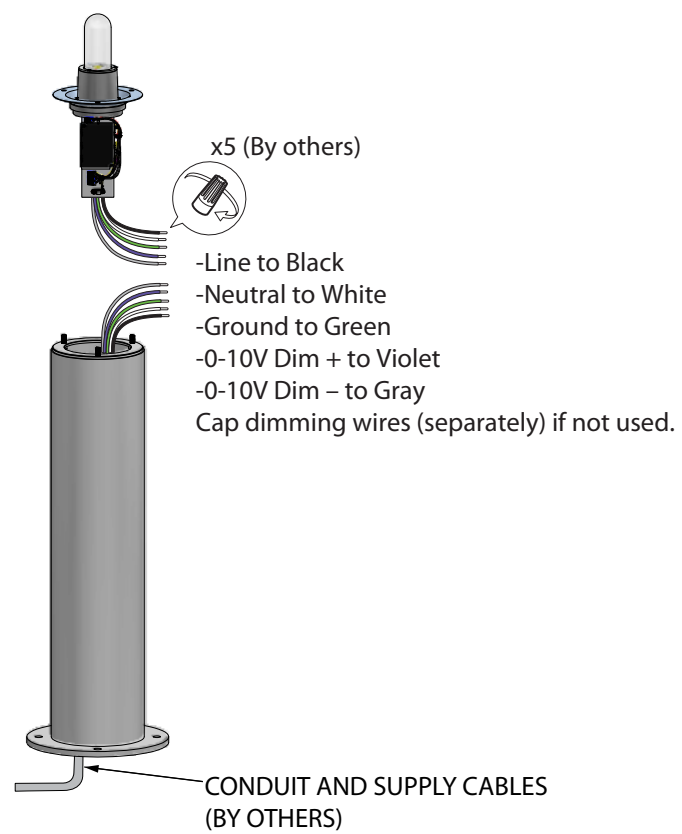
a. Remove (3) hex nuts from fixture head



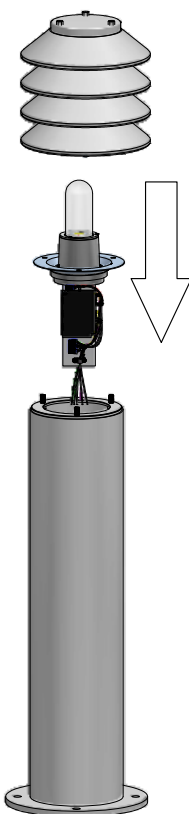
b. Remove fixture head and electrical assembly



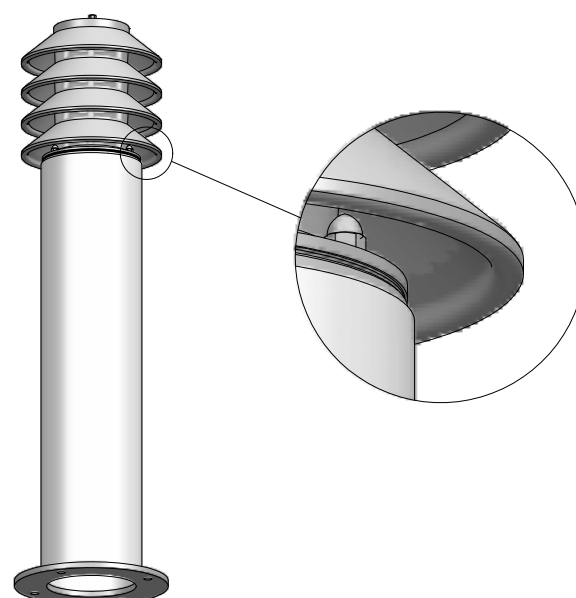
c. Connect wires



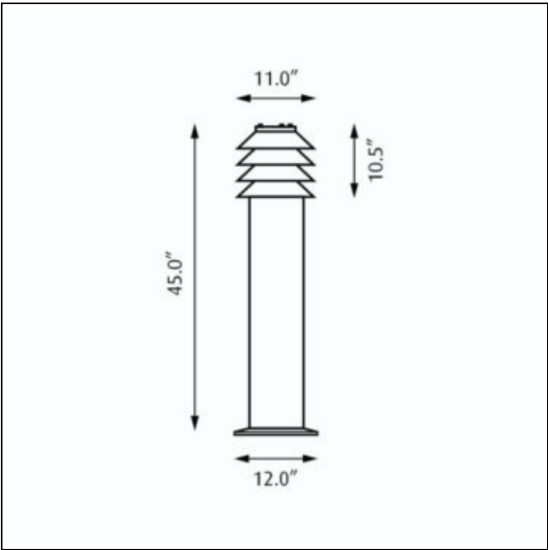
d. Install electrical assembly and fixture head



e. Install (3) hex nuts



Product description

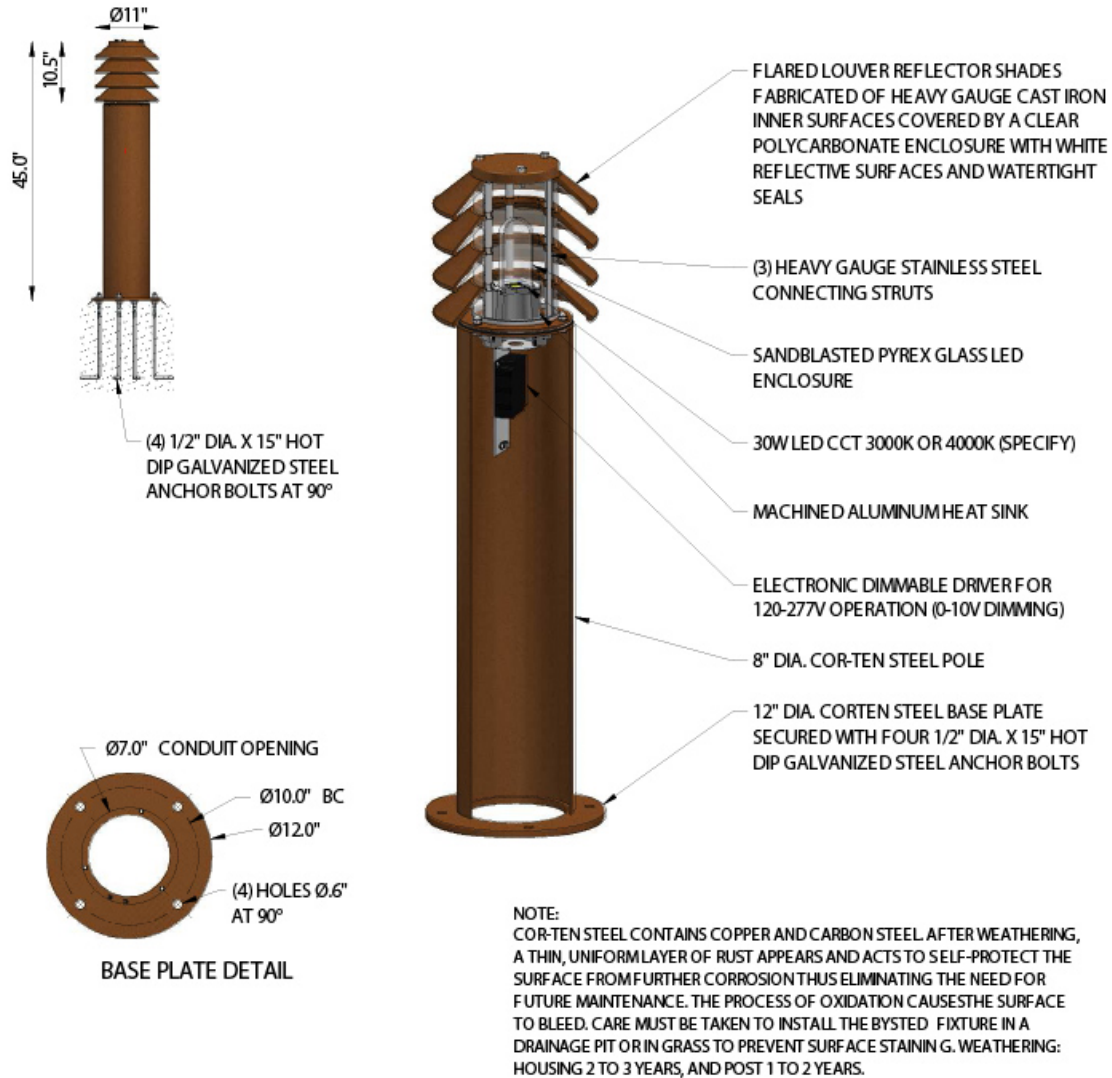


- Design Peter Bysted
- Concept The fixture emits light directed downwards. The shades have a white painted undersurface to achieve optimal light reflection and produce a characteristic symmetric light pattern around the fixture.
- Finish Cor-ten steel, raw.
- Material Luminaire head: Die cast iron. Post: Cor-ten steel. Base plate: Cor-ten steel.
- Mounting Base plate dimension: 12" diameter. Base plate: Mounted to a concrete base with 4 anchor bolts.
- Weight Max. 94 lbs.
- Label cULus, Wet location. IBEW.

Product Code	Light source	Voltage	Finish	Features
BYS	1/100W/MH/ED-17 medium	120/277V	COR-TEN	DIM 0-10V
	30W LED/3000K	120-277V		NOT APPLICABLE
	30W LED/4000K			

Infonotes
Oxidation of both Cor-ten steel and cast iron gives a rough and "rusty" looking surface which protects the material from further corrosion. The speed of the oxidation process is faster for Cor-ten than it is for cast iron.

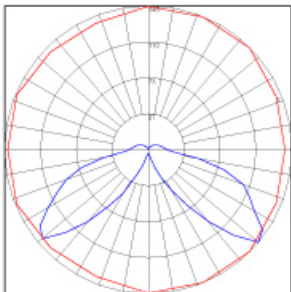
Material description



NOTES:
LED WATTAGES SPECIFIED ARE SYSTEM POWDER LED TECHNOLOGY IS RAPIDLY CHANGING. LEDs ARE MADE IN LOTS AND SORTED INTO BINS BASED ON
WAVELENGTHS RANGES THAT ACHIEVE COLORS. PRODUCTS ORDERED AT DIFFERENT TIMES MAY NOT HAVE THE SAME COLOR APPEARANCE.

Light Measurements

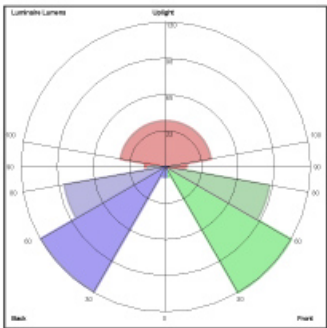
Photometric Report: BYS-30W-LED
Report No: Photopia 2014.1.1
Poulsen Report No: BYS-30W-LED
Luminaire: BYSTED
Lamp: 30W/LED/3000K
Description: All data shown are per 412 lumens. This report can be used for calculation on all versions listed below. Use only actual lumen data calculating.



Candlepower Distribution	
Vertical Angle	Candela
0	3.51
5	2.96
15	7.61
25	27.28
35	67.96
45	120.83
55	140.68
65	103.68
75	68.01
90	18.79
120	8.83
150	3.54
180	0.05

Zonal Lumen Summary

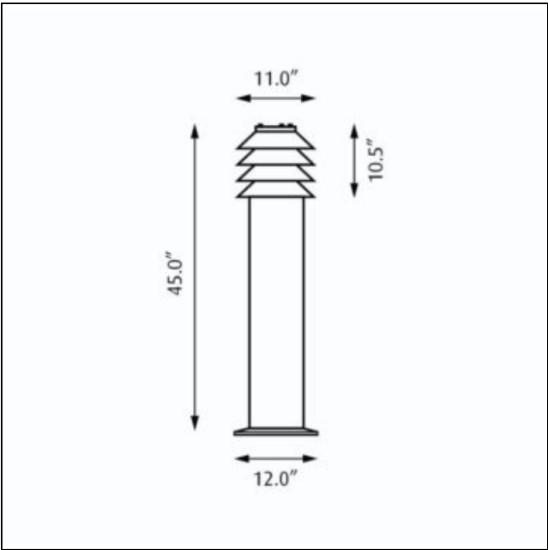
Zone	Lumens	% Lamp	% Fixture
0-20	2.23	NA	0.50
0-30	13.21	NA	3.20
0-40	45.97	NA	11.20
0-60	205.25	NA	49.80
0-80	343.92	NA	83.50
0-90	367.79	NA	89.30
0-90	367.54	NA	89.20
10-90	43.74	NA	10.60
20-40	112.89	NA	27.40
20-50	239.90	NA	58.20
40-70	138.67	NA	33.70
60-80	58.05	NA	14.10
70-80	23.87	NA	5.80
90-110	24.48	NA	5.90
90-120	32.33	NA	7.80
90-130	37.74	NA	9.20
90-150	43.03	NA	10.40
90-180	44.18	NA	10.70
110-180	19.70	NA	4.80
0-180	411.98	NA	100.00



LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	8.9	0.2	1.6
FM - Front-Medium (30-60)	130.2	3.5	23.4
FH - Front-High (60-80)	94.7	2.6	17.0
FVH - Front-Very High (80-90)	16.3	0.4	2.9
BL - Back-Low (0-30)	8.9	0.2	1.6
BM - Back-Medium (30-60)	129.2	3.5	23.2
BH - Back-High (60-80)	92.6	2.5	16.6
BVH - Back-Very High (80-90)	15.9	0.4	2.9
UL - Uplight-Low (90-100)	18.6	0.5	3.3
UH - Uplight-High (100-180)	41.1	1.1	7.4
Total	556.4	14.9	100.0
BUG Rating	B0-U2-G1		

Product description

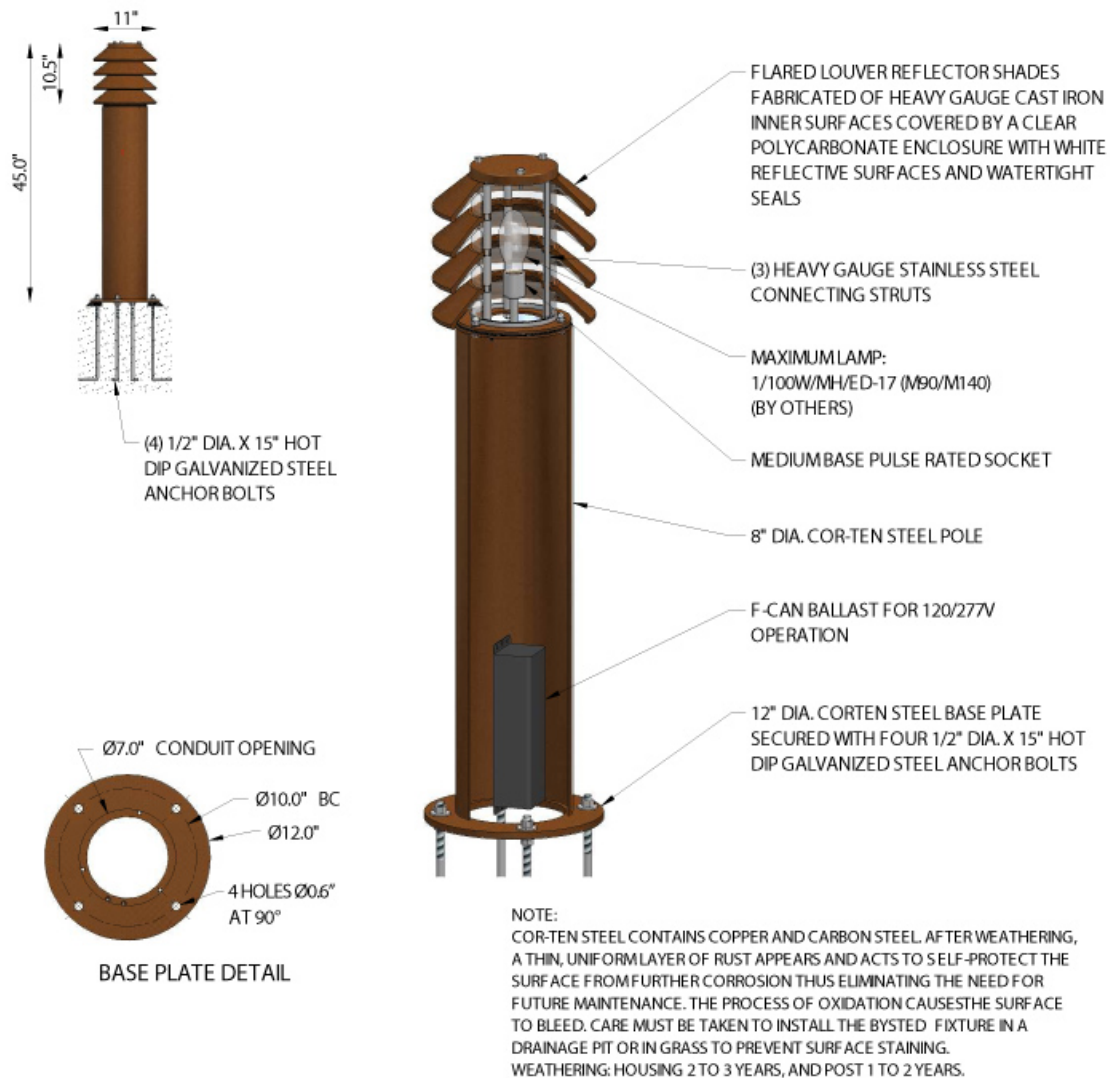


- Design Peter Bysted
- Concept The fixture emits light directed downwards. The shades have a white painted undersurface to achieve optimal light reflection and produce a characteristic symmetric light pattern around the fixture.
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- Weight Max. 94 lbs.
- Label cULus, Wet location. IBEW.

Product Code	Light source	Voltage	Finish	Features
BYS	1/100W/MH/ED-17 medium	120/277V	COR-TEN	DIM 0-10V
	30W LED/3000K	120-277V		NOT APPLICABLE
	30W LED/4000K			

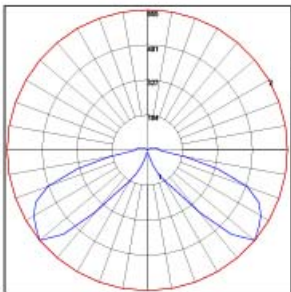
Infonotes
Oxidation of both Cor-ten steel and cast iron gives a rough and "rusty" looking surface which protects the material from further corrosion. The speed of the oxidation process is faster for Cor-ten than it is for cast iron.

Material description

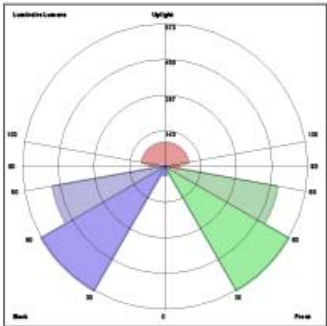


Light Measurements

Photometric Report: BYS-1-100W-MH
Report No: 5747501278 Louis Poulsen Lighting A/S
Poulsen Report No: BYS-1-100W-MH
Luminaire: BYSTED
Lamp: 1/100W/MH/ED-17
Efficiency: 28%
Description: All data shown are per 8500 lumens. This report can be used for calculation on all versions listed below. Use only actual lumen data calculating.



Candlepower Distribution	
Vertical Angle	Candela
0	12.1
5	12.2
15	30.5
25	120.4
35	228.6
45	554.9
55	833.7
65	574.9
75	340.0
90	54.6
120	20.1
150	3.7
180	0.4



Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0-20	12.20	0.10	0.50
0-30	69.23	0.80	2.90
0-40	229.54	2.70	9.60
0-60	1215.45	14.30	50.80
0-80	2132.94	25.10	89.20
0-90	2242.05	26.40	93.70
10-90	2240.86	26.40	93.70
20-40	217.33	2.60	9.10
20-50	634.85	7.50	26.50
40-70	1545.67	18.20	64.60
60-80	917.49	10.80	38.40
70-80	357.73	4.20	15.00
80-90	109.11	1.30	4.60
90-110	97.71	1.10	4.10
90-120	123.47	1.50	5.20
90-130	137.65	1.60	5.80
90-150	147.78	1.70	6.20
90-180	149.60	1.80	6.30
110-180	51.90	0.60	2.20
0-180	2391.65	28.10	100.00

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	34.6	0.4	1.4
FM - Front-Medium (30-80)	573.1	6.7	24.0
FH - Front-High (80-90)	458.7	5.4	19.2
FVH - Front-Very High (80-90)	54.6	0.6	2.3
BL - Back-Low (0-30)	34.6	0.4	1.4
BM - Back-Medium (30-80)	573.1	6.7	24.0
BH - Back-High (80-80)	458.7	5.4	19.2
BVH - Back-Very High (80-90)	54.6	0.6	2.3
UL - Uplight-Low (90-100)	56.3	0.7	2.4
UH - Uplight-High (100-180)	93.3	1.1	3.9
Total	2391.6	28.0	100.0
BUG Rating	B1-U3-G1		