Toka 12' - 30' Square Steel Pole

structura

FIXTURE TYPE: _____

PROJECT NAME: _____



Shown with Structura Lineal luminaire.

Steel square tube upright with wood or metal accent panels for pedestrian or roadway fixtures and catenary mounting.

FEATURES:

- Available as a straight or tilted upright
- High allowable EPA
- Optional LED strip along front of the pole

SPECIFICATIONS:

CONSTRUCTION: Formed A500 square steel tube welded to an A36 steel baseplate. Wood panel is assembled through glulam construction and precision machined using CNC technology. Adhesive complies with ASTM D-2559 glulam construction specifications for extreme exposed weather conditions, is waterproof and rated for wet or dry use exposure.

ELECTRICAL: Wireway access is provided through a NEC compliant handhole on front of pole upright with a 5/16"-8 grounding point behind handhole. Powered by a 90-305VAC primary/24VDC secondary integral power supply. System is 0-10V dimmable. Constructed with a US and Canada UL listed luminaire. Minimum -4°F operating temperature.

OPTICAL SYSTEM: Available in 2700K, 3000K, 3500K, 4000K color temperatures with smooth, dot free illumination. Consult factory for other lumen outputs.

FINISHES AND MATERIALS: All steel and exterior aluminum parts are polyester powder coat painted. Wood panels are finished with a low VOC waterborne matte exterior finish containing UV and mildew inhibitors. Care and Maintenance

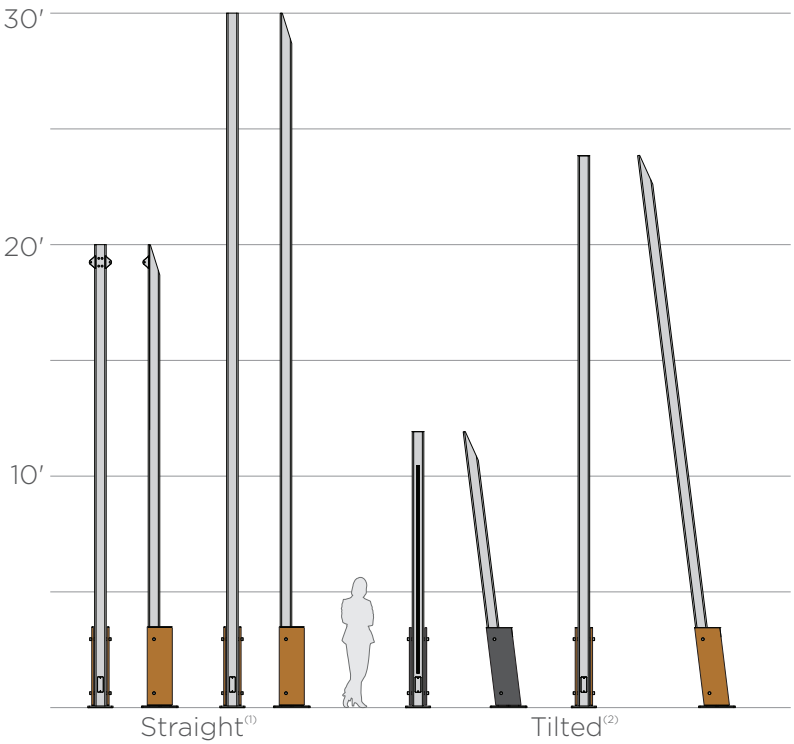


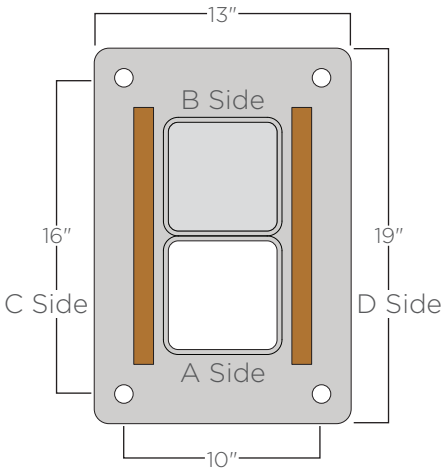
Shown with LED strip and catenary options.

HARDWARE: All fasteners and hardware are stainless steel. Anchor bolt kits are ASTM F1554 grade 55 steel with galvanized steel hex nuts and washers.

FIXTURE MOUNTING: Fixtures mount to pole from bolt pattern, horizontal mast arm, or custom arm.

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Size	Pole Weight
6″	110lbs + 19lbs/ft

ORDERING GUIDE: EXAMPLE: TOKA-S-20-C5-A18-B12-S5-CAT-BD-STD

TOKA											STD
1	2	3	4	5	6	7	8	9	10	11	12

1 Series

TOKA	Toka

2 Pole Angle

S	Straight
T	Tilted

3 Pole Height

12	12′
30	30′
**	Specify

4 Pole Finish

C*	See color options on finishes technical sheet
CSM	Custom Color

A Side — 5 Fixture Mounting Height

BLANK	No fixture on this side
A12	12′
A30	30′
A**	Specify

B Side — 6 Fixture Mounting Height

BLANK	No fixture on this side
B**	Specify

C Side — 7 Fixture Mounting

BLANK	No fixture on this side
C**	Specify

D Side — 8 Fixture Mounting Height

BLANK	No fixture on this side
D**	Specify

9 Panel Material

P1/S*	Wood (specify wood color)(3)
P2/C*	Aluminum (specify paint color)(3)
WS	Weathering Steel

10 Options

BABA	BABA
BNR	Banner Arms(4)
CAT	Catenary(5)
GALV	Galvanization(6)
GFCI	GFCI Box(7)
LED	LED Strip(8)

11 Anchor Bolts

BD	Bolt Down Anchors (recommended)
CN	Traditional Anchors with Cap Nuts

12 Special

STD	Standard

1. Twenty-foot straight pole shown with two padeyes for catenary mounting option.
2. Twelve-foot tilted pole shown with LED strip option with aluminum side panels.
3. See color options on finishes technical sheet.
4. Consult factory for banner size based upon allowable EPA.
5. Catenary poles must have engineering done by Structura.
6. Due to the nature of galvanization, some surface smoothness imperfections can be present.
7. GFCI box comes with in-use or wet location cover. Outlet supplied by others.
8. LED specification on page 78. LED strip lowers maximum allowable EPA.

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Toka A-Side Vertical LED Option

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FIXTURE TYPE: _____

PROJECT NAME: _____

Pole Height[1]	Standard Output		Medium Output		High Output	
	Lumens[2]	Watts	Lumens[2]	Watts	Lumens[2]	Watts
12′	972	14	1782	27	2646	45
14′	1188	17	2178	33	3234	55
16′	1404	20	2574	39	3822	65
18′	1620	23	2970	45	4410	75
20′	1836	26	3366	51	4998	85
22′	2052	29	3762	57	5586	95
24′	2268	32	4158	63	6174	105
26′	2484	35	4554	69	6762	115
28′	2700	38	4950	75	7350	125
30′	2916	41	5346	81	7938	135

ORDERING GUIDE: EXAMPLE: LED-L30SO-UNV

LED			
1	2	3	4

1	Toka Option
LED	LED Strip

2	Light Color
L27	2700K
L30	3000K
L35	3500K
L40	4000K
AMB	Amber
RED	Red
GRN	Green
BLU	Blue
RGBW/**	Color Changing[3]

3	Light Source[4]
SO	Standard Output
MO	Mid Output
HO	High Output

4	Voltage
UNV	120-277VAC

1. Standard LED strip length is 3' shorter than overall pole height.
2. Lumen output based upon 3000K CCT.
3. RGBW can be specified with 2700, 3000, 3500, or 4000K. Consult factory for RGBW color control options
4. Leave output section blank for non-white color temperatures.

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