

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

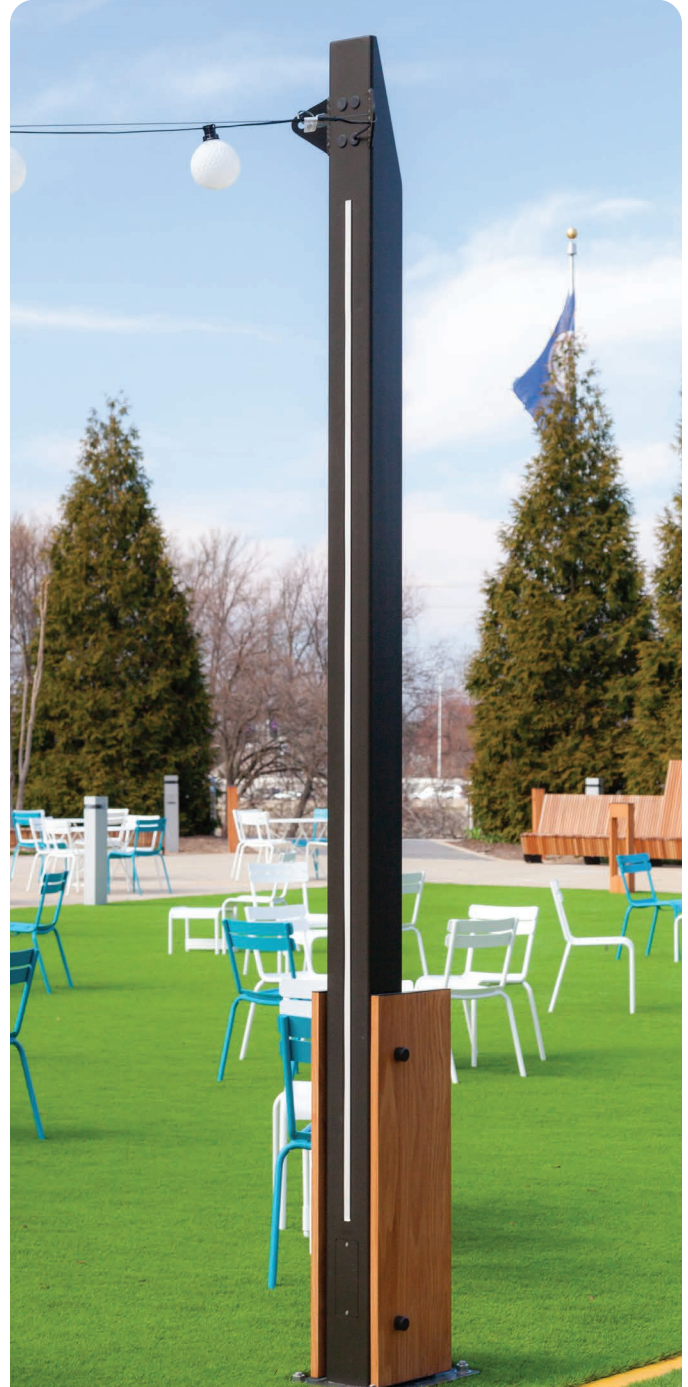
SPECIFICATIONS:

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.

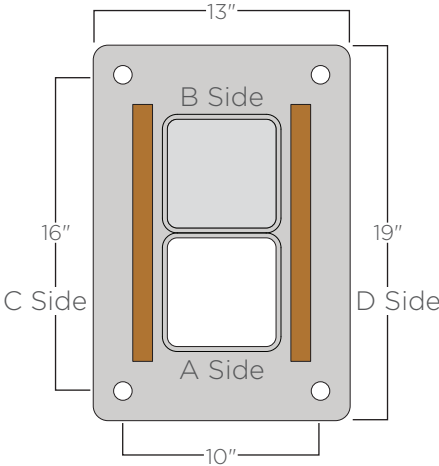
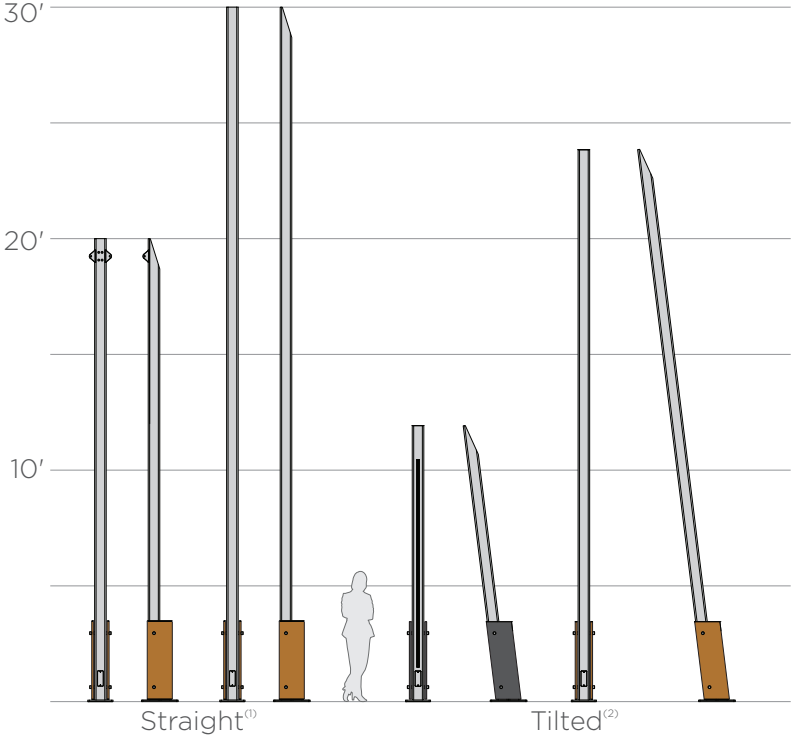
FINISHES AND MATERIALS: All steel and exterior aluminum parts are polyester powder coat painted. Wood panels are finished with a low VOC waterborne matte exterior finish containing UV and mildew inhibitors. [Care and Maintenance](#)



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.



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	5	A Side	8	D Side
TOKA	Toka	BLANK	Fixture Mounting Height	BLANK	Fixture Mounting Height
2	Pole Angle	A12	No fixture on this side	D**	No fixture on this side
S	Straight	A30	12'		Specify
T	Tilted	A**	30'	9	Panel Material
3	Pole Height	6	Specify	P1/S*	Wood (specify wood color) ⁽³⁾
12	12'	6	B Side	P2/C*	Aluminum (specify paint color) ⁽³⁾
30	30'	BLANK	Fixture Mounting Height	WS	Weathering Steel
**	Specify	B**	No fixture on this side	10	Options
4	Pole Finish	7	Specify	CAT	Catenary ⁽⁴⁾
C*	See color options on finishes technical sheet	BLANK	C Side	LED	LED Strip ⁽⁵⁾
CSM	Custom Color	C**	Fixture Mounting	BNR	Banner Arms ⁽⁶⁾
			No fixture on this side	GALV	Galvanization ⁽⁷⁾
			Specify	GFCI	GFCI Box
				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. Catenary poles must have engineering done by Structura.
 5. LED specification on page 78. LED strip lowers maximum allowable EPA.
 6. Consult factory for banner size based upon allowable EPA.
 7. Due to the nature of galvanization, some surface smoothness imperfections can be present.

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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-L30S0-UNV



1	Toka Option	3	Light Source⁽⁴⁾
LED	LED Strip	SO	Standard Output
2	Light Color	MO	Mid Output
L27	2700K	HO	High Output
L30	3000K	4	Voltage
L35	3500K	UNV	120-277VAC
L40	4000K		
AMB	Amber		
RED	Red		
GRN	Green		
BLU	Blue		
RGBW/**	Color Changing ⁽³⁾		

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.