

BLX-II Tennis LED Specifications

BLX-II-4 Tennis Knuckle Mount & Decorative Shroud shown



Project Name:

Catalog Number:

Type:

The new **BOW LX-II LED** Series continues the unique contemporary design inspired by the sleek styling of the BOW family. Separating the extruded aluminum driver housing and the individual die-cast aluminum linear LED engines: optimize the life of the LEDs and the Driver(s); and maximizes the lumen output of the fixture. The adjustable knuckle allows for up to 50° degrees of vertical adjustment for putting the light exactly where you need it.

Each of the individual LED light engines come with 32 LEDs; for a max total of 256 LEDs. 3 optical distribution patterns are available.

A unique Type 4-T tennis/sports distribution pattern is available. Available in 3000, 4000 or 5000 Kelvin temperature.

A durable polyester powder coat finish is guaranteed for five years; and is available in standard or custom colors.

The **BOW LX-II LED** series is an exceptional choice for tennis court, sports facilities, parks and general area lighting.

Ordering Information

MODEL	OPTICS	LEDS	CURRENT	KELVIN	VOLTAGE	MOUNTING	FINISH	OPTIONS	OPTIONS
BLX-II-3	T4T	96LC	7 700mA	3K 3000K	UNV 120-277V	KMTA Tennis Knuckle Mount	TG Tennis Green	PER 3 Pin Photo Receptacle w/shorting cap	DS Decorative Shroud
BLX-II-4	FN	128LC	10 1050mA	4K 4000K	8 347V	KM Knuckle Mount	SL Silver Metallic	5PINPER 5 Pin Photo Receptacle w/shorting cap Requires Dimming Driver	CLS Back Side Cutoff Louver Shield
BLX-II-6	FM	192LC		5K 5000K	5 480V	TM Trunnion Mount	BK Black		BBG Bird Spikes
BLX-II-8		256LC					BZ Bronze		
							CC Custom Color	7PINPER 7 Pin Photo Receptacle w/shorting cap Requires Dimming Driver	VWC Visionaire Wireless Controls *Consult Factory
								WSC-8 Motion Sensor 8' Mounting Height	DIM 0-10v Dimming Driver *No Controls
								WSC-20 Motion Sensor 9-20' Mounting Height	ZFP Zinc-Free Primer
								WSC-40 Motion Sensor 21-40' Mounting Height	
								This option will require (1) FSIR 100 remote for programming	

Housing

- The LED light engines are constructed of heavy-duty, die-cast aluminum, with external heat radiating fins.

Driver Compartment

- The separate driver housing is constructed of extruded aluminum, with vented cast aluminum end covers and stainless steel fasteners; for easy access to the LED driver(s); allowing for cooler operation and longer driver life. One-piece gasketing is utilized throughout the fixture for weather tight operation.

Thermal Management

- The BOW LX-II Series provides excellent overall thermal management by maximizing the fixture's heat sink capabilities. This enables the BOW LX II Series to withstand higher ambient temperatures and drive currents without degrading LED life.
- The L70 test determines the point in an LEDs life when it reaches 70 percent of its initial output. The BOW LX-II Series LEDs have been determined to last a minimum of 100,000 hours in 25°C environments when driven at 700 mA.

Optical System

- The highest lumen output LEDs are utilized in the BOW LX-II Series. IES distribution Types, IV-T, Flood Narrow and Flood Medium are available. LED light engines come in multiples of 32 LEDs.
- CRI values are 70.

Quali-Guard® Finish

- The finish is a Quali-Guard® textured, chemically pretreated through a multiple-stage washer, electrostatically applied, thermoset polyester powder coat finish, with a minimum of 3-5 millimeter thickness. Finish is oven-baked at 400 °F to promote maximum adherence and finish hardness. All finishes are available in standard and custom colors. Finish is guaranteed for five (5) years.

- Zinc-Free Primer is used as an additional protective barrier between the luminaire and harsh environments

Mounting

- Knuckle Mount Tennis Arm - An adjustable knuckle slip fits over a 1 1/2" x 3 1/2" Rectangle Tennis Arm, and allows for up to 50° degrees of vertical adjustment in 10° degree increments from horizontal, as well as full side to side adjustment with the knuckle mount.
- Knuckle Mount - An adjustable knuckle slip fits over a 2 3/8" OD Tenon, and allows for up to 50° degrees of vertical adjustment in 10° degree increments from horizontal, as well as full side to side adjustment with the knuckle mount.
- Trunnion Mount is adjustable up to 45° in 5° increments.

Electrical Assembly

- The BOW LX II Series is supplied with a choice of 700 or 1000 mA high-performance LED drivers, that accept 120v thru 480v, 50 Hz to 60 Hz, input. Power factor of 90%. Rated for -40 °C to +55 ° C operations.
- 20 kV surge protector supplied as standard.
- 0-10v Dimming Driver supplied as standard.

Warranty

- Five (5) year Limited Warranty on entire system, including finish. For full warranty information, please visit VisionaireLighting.com.

Options

- Photocell & Receptacle
- Photo receptacle
- Dimming Driver
- Motion Sensors (Title 24 Compliant)
- Wireless Control
- Decorative Shroud
- Cut-Off Louver Shields

Listings

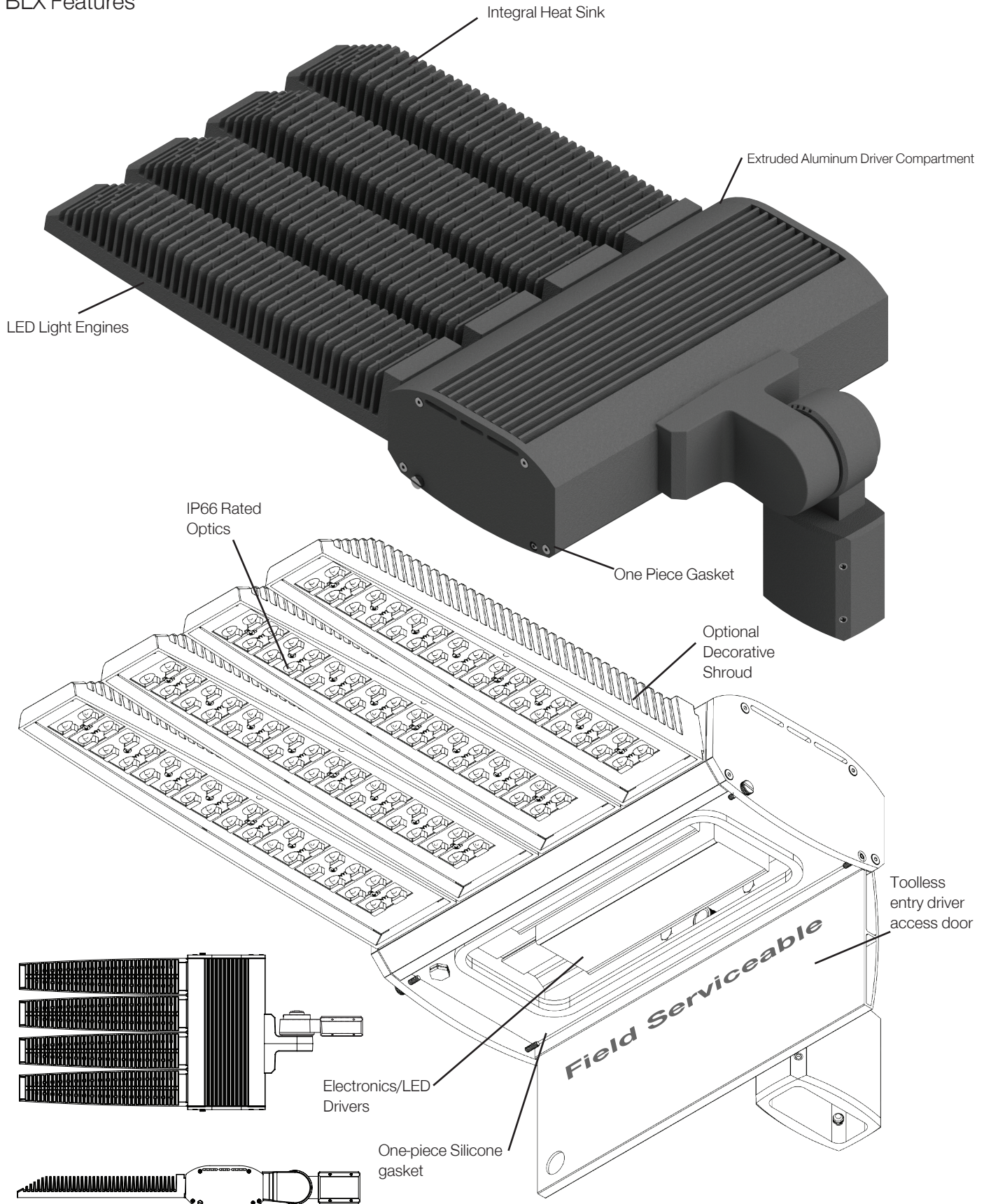
- BOW LX-II Series is UL listed, suitable for wet locations.
- Meets ANSI C136.31-2010 3G Vibration Standards
- IP66 Rated
- LM79 and LM80.
- RoHS compliant.
- Powder Coated Tough™.

DesignLights Consortium (DLC) qualified Product. Some configurations of this product family may not be DesignLights Consortium (DLC) listed, please refer to the DLC qualified products list to confirm listed configurations. <http://www.designlights.org/>
3000K must be selected for IDA certification.



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BLX Features



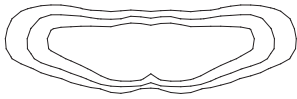
BLX-II Tennis 3k Lumen Data						BLX-II Tennis 3K LPW Data										
#LEDs	mA	Type 4T	Type FN	Type FM	Watts	#LEDs	mA	Type 4T	Type FN	Type FM						
96	700	27691	27446	27746	213	96	700	130	129	130						
							1050	115	114	116						
96	700	27691	27446	27746	213	128	700	133	132	133						
							1050	117	116	117						
96	1050	38220	37883	38297	331	192	700	134	133	134						
							1050	116	115	116						
128	700	37508	37177	37584	282	256	700	135	134	135						
							1050	119	118	119						
BLX-II Tennis 3k Lumen Data						BLX-II Tennis 3k BUG Data										
#LEDs	mA	Type 4T	Type FN	Type FM	Watts	#LED	mA	Type 4T			Type FN			Type FM		
96	700	57218	56713	57334	426	96	700	B	U	G	B	U	G	B	U	G
							1050	3	0	3	5	0	1	5	0	1
96	1050	76440	75765	76595	659	128	700	3	0	3	5	0	1	5	0	1
							1050	4	0	3	5	0	2	5	0	2
256	700	76928	76249	77083	570	192	700	4	0	4	5	0	2	5	0	2
							1050	5	0	4	5	0	2	5	0	2
256	1050	104866	103939	105077	884	258	700	5	0	4	5	0	2	5	0	2
							1050	5	0	5	5	0	2	5	0	2
BLX-II Tennis 4k Lumen Data						BLX-II Tennis 4K LPW Data										
#LEDs	mA	Type 4T	Type FN	Type FM	Watts	#LEDs	mA	Type 4T	Type FN	Type FM						
96	700	29148	28890	29207	213	96	700	137	136	137						
							1050	122	120	122						
96	700	29148	28890	29207	213	128	700	140	139	140						
							1050	123	122	123						
96	1050	40232	39876	40313	331	192	700	141	140	142						
							1050	122	121	122						
128	700	39482	39133	39562	282	256	700	142	141	142						
							1050	125	124	125						
BLX-II Tennis 4k Lumen Data						BLX-II Tennis 4k BUG Data										
#LEDs	mA	Type 4T	Type FN	Type FM	Watts	#LED	mA	Type 4T			Type FN			Type FM		
96	700	60230	59698	60351	426	96	700	B	U	G	B	U	G	B	U	G
							1050	3	0	3	5	0	1	5	0	1
96	1050	80464	79753	80626	659	128	700	3	0	3	5	0	1	5	0	1
							1050	4	0	3	5	0	2	5	0	2
256	700	80977	80262	81140	570	192	700	4	0	4	5	0	2	5	0	2
							1050	5	0	4	5	0	2	5	0	2
256	1050	110385	109410	110608	884	258	700	5	0	4	5	0	2	5	0	2
							1050	5	0	5	5	0	3	5	0	3
BLX-II Tennis 5k Lumen Data						BLX-II Tennis 5K LPW Data										
#LEDs	mA	Type 4T	Type FN	Type FM	Watts	#LEDs	mA	Type 4T	Type FN	Type FM						
96	700	27970	27723	28027	213	96	700	131	130	131						
							1050	117	116	117						
96	700	27970	27723	28027	213	128	700	134	133	134						
							1050	118	117	118						
96	1050	38606	38265	38684	331	192	700	136	134	136						
							1050	117	116	117						
128	700	37887	37552	37963	282	256	700	136	135	137						
							1050	120	119	120						
BLX-II Tennis 5k Lumen Data						BLX-II Tennis 5k BUG Data										
#LEDs	mA	Type 4T	Type FN	Type FM	Watts	#LED	mA	Type 4T			Type FN			Type FM		
96	700	57796	57286	57913	426	96	700	B	U	G	B	U	G	B	U	G
							1050	3	0	3	5	0	1	5	0	1
96	1050	77213	76530	77368	659	128	700	3	0	3	5	0	1	5	0	1
							1050	4	0	3	5	0	2	5	0	2
256	700	77705	77019	77862	570	192	700	4	0	4	5	0	2	5	0	2
							1050	5	0	4	5	0	2	5	0	2
256	1050	105925	104989	106139	884	258	700	5	0	4	5	0	2	5	0	2
							1050	5	0	5	5	0	3	5	0	3

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configuration shown, within the tolerances allowed by Lighting Facts. Contact the factory for performance data on any configuration not shown here.

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Photometric Optical Summary

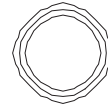
T4T
Type 4 Tennis



FN
Flood Narrow



FM
Flood Medium



Dimensions

Tennis Knuckle Mount

Width: BLX-II-3 15"
BLX-II-4 17"
BLX-II-6 28"
BLX-II-8 33"

Depth: BLX-II-3 37"
BLX-II-4 37"
BLX-II-6 37"
BLX-II-8 37"

Height: BLX-II-3 5"
BLX-II-4 5"
BLX-II-6 5"
BLX-II-8 5"

Trunnion

Width: BLX-II-3 15"
BLX-II-4 17"
BLX-II-6 28"
BLX-II-8 33"

Depth: BLX-II-3 33"
BLX-II-4 33"
BLX-II-6 33"
BLX-II-8 33"

Height: BLX-II-3 5"
BLX-II-4 5"
BLX-II-6 5"
BLX-II-8 5"

Knuckle Mount

Width: BLX-II-3 15"
BLX-II-4 17"
BLX-II-6 28"
BLX-II-8 33"

Depth: BLX-II-3 37"
BLX-II-4 37"
BLX-II-6 37"
BLX-II-8 37"

Height: BLX-II-3 5"
BLX-II-4 5"
BLX-II-6 5"
BLX-II-8 5"

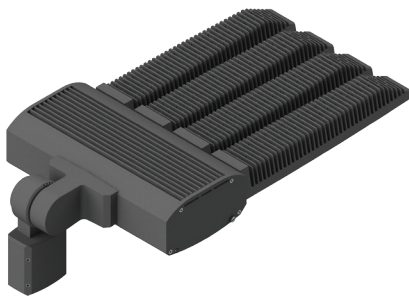
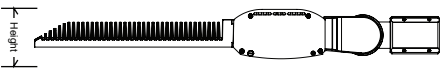
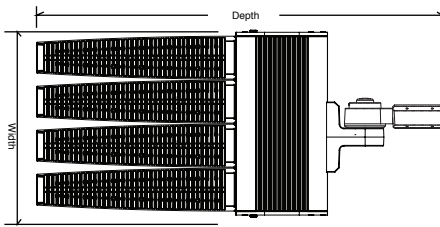
BLX-II Tennis EPA Data

Tilt Deg.	BLX-II-3	BLX-II-4	BLX-II-6	BLX-II-8
0	.7	.7	.8	1.1
10	.71	.9	1.2	1.6
20	1.02	1.3	1.8	2
30	1.32	1.7	2.4	3.1
40	1.62	2.1	3	3.9
50	1.86	2.4	3.4	4.5

Weight

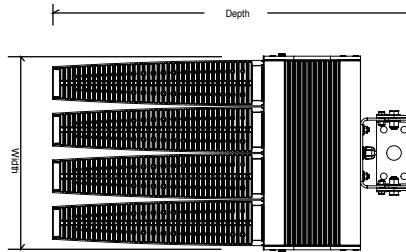
BLX-II	45 LBS	54 LBS	68 LBS	96 LBS

Tennis Knuckle Mount



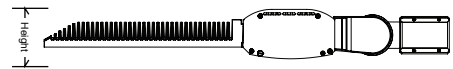
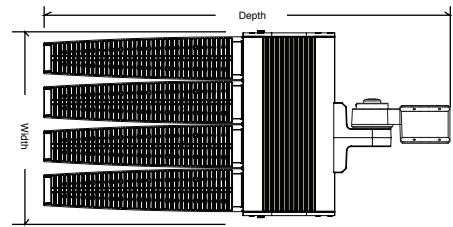
An adjustable knuckle slip fits over a 1½" x 3½" Rectangle Tennis Arm, and allows for up to 50° degrees of vertical adjustment in 10° degree increments from horizontal.

Trunnion Mount



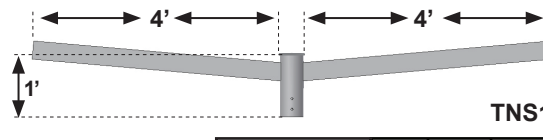
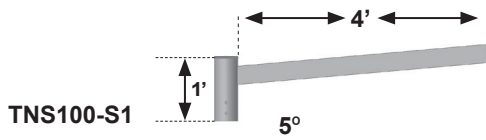
Trunnion Mount is adjustable up to 45° degrees in 5° increments.

Knuckle Mount



An adjustable knuckle slip fits over a 2-3/8" Tenon, and allows for up to 50° degrees of vertical adjustment in 10° degree increments from horizontal, as well as full side to side adjustment with the knuckle mount.

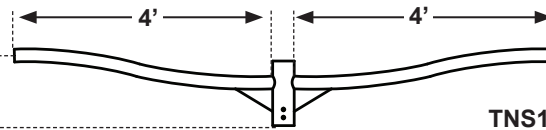
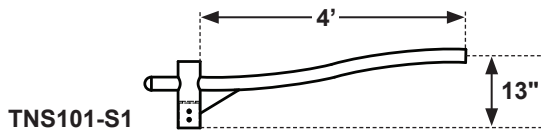
Mounting Arms



The **TNS100** tennis court mounting arm is constructed of 1 1/2" x 3 1/2" rectangular steel tubing. This arm can be made to slip over the following tenon (or pole) sizes: 3 1/2" Ø, 4" Ø, 4 1/2" Ø, and 5" Ø. The **TNS100** is available in the following pole mounting configurations: Single, Double 70°, Double 90°, Double 180°, Quad 70° and Quad 90°.

EPA	Single	Double
4'	1.2	2.4
5'	1.5	3.0

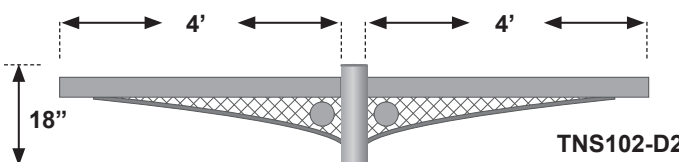
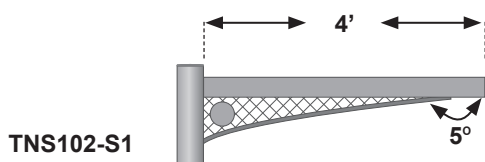
Mounting Option configurations					
Model	Size or Length	Configuration	Pole or Tenon Size	Finish	
TNS 100	4'	S1 - Single	3 - 3" dia	TG Tennis Green SL Silver Metallic BK Black CC Custom Color	
	5'	D2 - Double	3 1/2 - 3.5" dia		
		D7 - Double 70°	4 - 4" dia		
		D9 - Double 90°	4 1/2 - 4.5" dia		
		Q7 - Quad 70°	5 - 5" dia		
QD - Quad 90°					



The **TNS101** architectural tennis court mounting arm is constructed of 2 3/8" curved steel tubing. This arm can be made to slip over the following tenon (or pole) sizes: 3" Ø, 3 1/2" Ø, 4" Ø, 4 1/2" Ø and 5" Ø. The **TNS101** is available in the following pole mounting configurations: Single, Double 70°, Double 90°, Double 180°, Quad 70° and Quad 90°.

EPA	Single	Double
4'	1.1	2.2
5'	1.3	2.6

Mounting Option configurations					
Model	Size or Length	Configuration	Pole or Tenon Size	Finish	
TNS 101	4'	S1 - Single	3 - 3" dia	TG Tennis Green SL Silver Metallic BK Black CC Custom Color	
	5'	D2 - Double	3 1/2 - 3.5" dia		
		D7 - Double 70°	4 - 4" dia		
		D9 - Double 90°	4 1/2 - 4.5" dia		
		Q7 - Quad 70°	5 - 5" dia		
QD - Quad 90°					



The **TNS102** tennis-court-themed mounting arm is constructed of 1 1/2" x 3 1/2" rectangular steel tubing, and features a unique mesh tennis court net and ball design. This arm can be made to slip over the following tenon (or pole) sizes: 3 1/2" Ø, 4" Ø, 4 1/2" Ø, and 5" Ø. The **TNS102** is available in the following pole mounting configurations: Single, Double 70°, Double 90°, Double 180°, Quad 70° and Quad 90°.

EPA	Single	Double
4'	1.5	3.0
5'	1.7	3.4

Mounting Option configurations					
Model	Size or Length	Configuration	Pole or Tenon Size	Finish	
TNS 102	4'	S1 - Single	3 - 3" dia	TG Tennis Green SL Silver Metallic BK Black CC Custom Color	
	5'	D2 - Double	3 1/2 - 3.5" dia		
		D7 - Double 70°	4 - 4" dia		
		D9 - Double 90°	4 1/2 - 4.5" dia		
		Q7 - Quad 70°	5 - 5" dia		
QD - Quad 90°					