

JUNO**FLEX 12**

Project: _____

Fixture Type: _____

Location: _____

Contact/Phone: _____

Flexible Low Voltage Trac System

GEOMETRIC LAMPHOLDERS

TF160, TF161 and TF165

PRODUCT DESCRIPTION

The pure conical and spherical forms of these lampholders create a sophisticated balance and harmony. Available in MR11 and MR16 styles that provide high intensity display and accent lighting. A wide variety of light control accessories complete the offering. May be mounted on Flex 12 Trac or Monopoints.

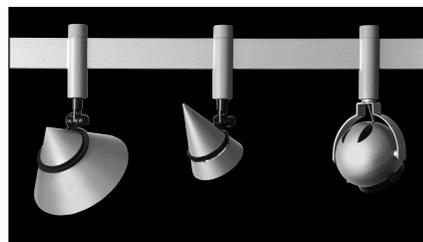
Socket Ceramic bi-pin.

Lens Glass lens included with each lampholder.

Aiming 90° vertical aiming capability and 358° rotation.

Labels UL listed, CSA certified • New York City Approved.

Product specifications subject to change without notice.

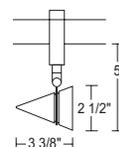
**Low Voltage MR11 - Dart**

Catalog Number	Description	Finish	Lamp
TF161SL	Dart	Silver	20-35W MR11, 12V or 24V

ACCESSORIES

Cat. No.	Description	Cat. No.	Description	Cat. No.	Description
T551-5	Color Filters	T5501-18	Dichroic Lenses	T5522	UV Filter Lenses

See specification sheet [D1.2.2](#) for details.

**Low Voltage MR16 - Cone**

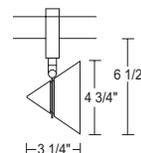
Catalog Number	Description	Finish	Lamp
TF160SL	Cone	Silver	20-50W MR16, 12V or 24V

ACCESSORIES

Cat. No.	Description	Cat. No.	Description	Cat. No.	Description
T551-5	Color Filters	T557	Prismatic Spread Lens	T559	Linear Spread Lens
T5501-18	Dichroic Lenses	T5520	Diffuse Spread Lens	T5521	Uniformity Lenses
T5522	UV Filter Lens	T5559BL	Hexcell Louver	T556BL	Eyebeam

T558BL Snoot

See specification sheet [D1.2.2](#) for details.

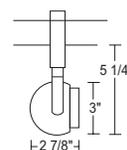
**Low Voltage MR16 - Orb**

Catalog Number	Description	Finish	Lamp
TF165SL	Orb	Silver	20-50W MR16, 12V or 24V

ACCESSORIES

Cat. No.	Description	Cat. No.	Description	Cat. No.	Description
T551-5	Color Filters	T557	Prismatic Spread Lens	T559	Linear Spread Lens
T5501-18	Dichroic Lenses	T5520	Diffuse Spread Lens	T5521	Uniformity Lenses
T5522	UV Filter Lens	T5559BL	Hexcell Louver		

See specification sheet [D1.2.2](#) for details.



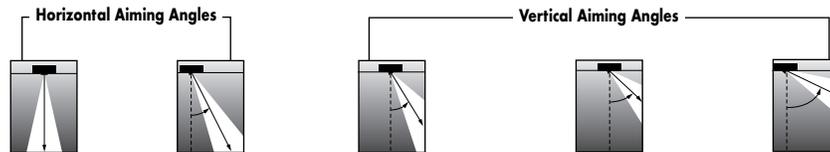
FLEX 12

Flexible Low Voltage Trac System

GEOMETRIC LAMPHOLDERS

TF160, TF161 and TF165

CBCP • Centerbeam candlepower
FC • Footcandles at beam center (aim point)



Lamp	Beam Type	Beam Spread °	Rated Life	CBCP	0°		30°			30°			45°				60°								
					MH	FC	L	W	FC	L	W	D	FC	X	L	W	FC	X	L	W	D	FC	X	L	W
20W MR11	SP	15°	3500	1760	2	440	0.5	0.5	286	0.7	0.6	1	220	1.7	1.1	0.5	622	1.0	0.5	0.4	2	286	1.2	0.7	0.6
					4	110	1.1	1.1	71	1.4	1.2	2	55	3.5	2.2	1.1	156	3.0	1.1	0.7	3	127	1.7	1.1	0.9
					6	49	1.6	1.6	32	2.1	1.8	3	24	5.2	3.3	1.6	69	3.0	1.6	1.1	4	71	2.3	1.4	1.2
					8	28	2.1	2.1	18	2.8	2.4	4	14	6.9	4.4	2.1	39	4.0	2.1	1.5	5	46	2.9	1.8	1.5
					10	18	2.6	2.6	11	3.5	3.0	5	9	8.7	5.6	2.6	25	5.0	2.7	1.9	6	32	3.5	2.1	1.8
	NFL	30°	3500	600	2	170	1.5	1.5	110	2.0	1.7	1	85	1.7	4.8	1.5	241	1.0	1.7	1.0	2	110	1.2	2.0	1.7
					4	43	2.9	2.9	28	4.1	3.4	2	21	3.5	9.6	2.9	60	2.0	3.4	2.1	3	49	1.7	3.0	2.5
					6	19	4.4	4.4	12	6.1	5.0	3	9	5.2	14.5	4.4	27	3.0	5.0	3.1	4	28	2.3	4.1	3.4
					8	11	5.8	5.8	7	8.1	6.7	4	5	6.9	19.3	5.8	15	4.0	6.7	4.1	5	18	2.9	5.1	4.2
					10	7	7.3	7.3	4	10.2	8.4	5	3	8.7	124.1	7.3	10	5.0	8.4	5.1	6	12	3.5	6.1	5.0
Q50W MR16	NSP	15°	6000	9100	4	638	1.0	1.0	414	1.3	1.1	2	319	3.5	2.1	1.0	902	2.0	1.0	0.7	8	104	4.6	2.6	2.3
					6	283	1.5	1.5	184	2.0	1.7	3	142	5.2	3.1	1.5	401	3.0	1.5	1.0	10	66	5.8	3.3	2.8
					8	159	2.0	2.0	104	2.6	2.3	4	80	6.9	4.1	2.0	225	4.0	2.0	1.4	12	46	6.9	3.9	3.4
					10	102	2.5	2.5	66	3.3	2.8	5	51	8.7	5.1	2.5	144	5.0	2.5	1.7	14	34	8.1	4.6	4.0
	NFL	25°	6000	3200	4	213	1.9	1.9	138	2.6	2.2	2	106	3.5	4.6	1.9	301	2.0	2.0	1.4	4	138	2.3	2.6	2.2
					6	94	2.9	2.9	61	3.9	3.3	3	47	5.2	7.0	2.9	134	3.0	3.1	2.0	6	61	3.5	3.9	3.3
					8	53	3.8	3.8	35	5.2	4.4	4	27	6.9	9.3	3.8	75	4.0	4.1	2.7	8	35	4.6	5.2	4.4
					10	34	4.8	4.8	22	6.5	5.5	5	17	8.7	11.6	4.8	48	5.0	5.1	3.4	10	22	5.8	6.5	5.5
	FL	40°	6000	1700	4	116	2.9	2.9	75	4.1	3.4	2	58	3.5	9.6	2.9	164	2.0	3.4	2.1	4	75	2.3	4.1	3.4
					6	51	4.4	4.4	33	6.1	5.0	3	26	5.2	14.5	4.4	73	3.0	5.0	3.1	6	33	3.5	6.1	5.0
					8	29	5.8	5.8	19	8.1	6.7	4	14	6.9	19.3	5.8	41	4.0	6.7	4.1	8	19	4.6	8.1	6.7
					10	19	7.3	7.3	12	10.2	8.4	5	9	8.7	24.1	7.3	26	5.0	8.4	5.1	10	12	5.8	10.2	8.4
				12	13	8.7	8.7	8	12.2	10.1	6	6	10.4	**	8.7	18	6.0	10.1	6.2	12	8	6.9	12.2	10.1	

The beam spread in degrees and the beam "L" and "W" in the following tables are computed at 50% of centerbeam candlepower and represent areas of "effective illumination."

For additional Lamp Data, reference Juno Lighting Product Guide.

**Due to steep aiming angle, length of beam extends beyond 25'.

24V MR11 HALOGEN LAMPS (not integral lens)

Cat. No.	ANSI Code	Watts	Description	Avg. Life (Hrs.)*
TL938-24V	-	20	Q20MR11/SP/24	2000
TL939-24V	-	20	Q20MR11/NFL/24	2000

24V MR16 HALOGEN LAMPS WITH COVER GLASS

Cat. No.	ANSI Code	Watts	Description	Avg. Life (Hrs.)*
TL940-24V	-	35	Q35MR16/CG/NSP/24	1500
TL942-24V	-	35	Q35MR16/CG/NFL/24	1500
TL945-24V	-	50	Q50MR16/CG/NSP/24	1500
TL947-24V	-	50	Q50MR16/CG/FL/24	1500

*At rated voltage.



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