



TRAC 12

Project: _____

Fixture Type: _____

Location: _____

Contact/Phone: _____

Miniature Low Voltage Trac System GEOMETRIC LAMPHOLDERS

TL160, TL161 and TL165

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 Trac 12 or Trac 12/25 or Monopoints.

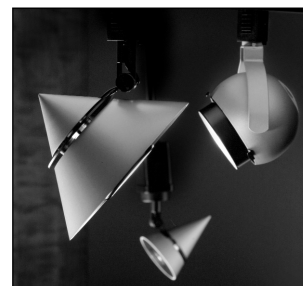
Socket Ceramic bi-pin.

Lens Glass lens included with each lampholder.

Aiming 90° vertical aiming capability and 358° rotation.

Labels UL listed, CSA certified.

Product specifications subject to change without notice.



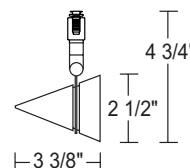
Low Voltage MR11 - Dart

Catalog Number	Description	Finish	Lamp
TL161WH	Dart	White	20-35W MR11, 12V or 24V
TL161BL	Dart	Black	20-35W MR11, 12V or 24V
TL161SL	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 Lens

See specification sheet D1.2.2 for details.



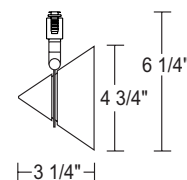
Low Voltage MR16 - Cone

Catalog Number	Description	Finish	Lamp
TL160WH	Cone	White	20-50W MR16, 12V or 24V
TL160BL	Cone	Black	20-50W MR16, 12V or 24V
TL160SL	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 Lens
T5522	UV Filter Lens	T5559BL	Hexcell Louver	T5588BL	Snoot

See specification sheet D1.2.2 for details.



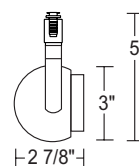
Low Voltage MR16 - Orb

Catalog Number	Description	Finish	Lamp
TL165WH	Orb	White	20-50W MR16, 12V or 24V
TL165BL	Orb	Black	20-50W MR16, 12V or 24V
TL165SL	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 Lens
T5522	UV Filter Lens	T5559BL	Hexcell Louver		

See specification sheet D1.2.2 for details.



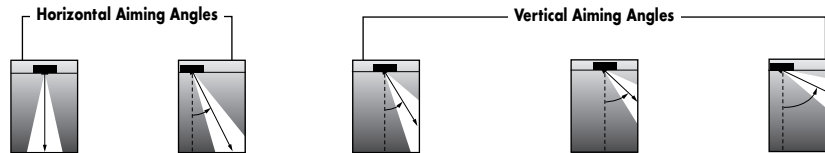
TRAC 12

Miniature Low Voltage Trac System

GEOMETRIC LAMPHOLDERS

TL160, TL161 and TL165

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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