



# TRAC 12

## Miniature Low Voltage Trac System UNIVERSAL LAMPHOLDER

### TL301, TF308, TF309

Project: \_\_\_\_\_

Fixture Type: \_\_\_\_\_

Location: \_\_\_\_\_

Contact/Phone: \_\_\_\_\_

### PRODUCT DESCRIPTION

The Universal halogen spotlight can be used alone for an "exposed lamp" aesthetic, or in combination with Luminous Scoop or Perforated Metal Scoop accessories. These accessories add that touch of energy and color to liven up an interior. Trac 12 Universals are designed for use with MR16 lamps to provide high intensity display and accent lighting.

**Lamp** 20-50W MR16 lamps • Must be used with MR16 lamps with integral lens (cover glass) except when combined with 2" accessories.

**Socket** Ceramic bi-pin.

**Lens** Not provided • For use only with MR16 lamps with integral lens (cover glass) except when combined with 2" accessories.

**Aiming** 90° vertical aiming capability and 358° rotation.

**Accessories** Combine with Metal or Luminous Scoop accessories to liven up an interior • May be used with up to two 2" accessories and/or Barn Doors simultaneously with Accessory Holder • May also be used with TLP300 Pendant Shade as a low-profile decorative accent fixture.

**Labels** UL listed, CSA certified.

Product specifications subject to change without notice.



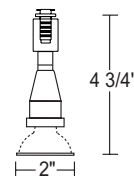
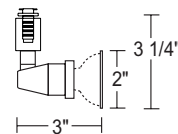
### Low Voltage MR16 - Universal

Catalog Number	Description	Finish	Lamp
TL301SL	Universal	Silver	20-50W MR16CG with integral lens (cover glass), 12V or 24V
TL301BL	Universal	Black	20-50W MR16CG with integral lens (cover glass), 12V or 24V
TL301WH	Universal	White	20-50W MR16CG with integral lens (cover glass), 12V or 24V

### ACCESSORIES

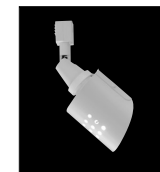
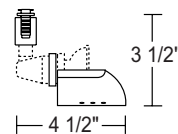
Cat. No.	Description	Cat. No.	Description	Cat. No.	Description
T7400SA, BL	Accessory Holder	T7470BL	Barn Doors	T7478	Linear Spread Lens
T741-6	Color Filters/Lenses	T7477	Prismatic Spread Lens	T7421	Uniformity Lens
T7401-18	Dichroic Lenses	T7420	Diffuse Spread Lens		
T7422	UV Filter Lens	T7459BL	Hexcell Louver		

See specification sheet D1.2.2 for details.



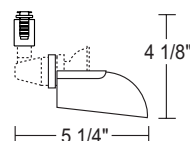
### Perforated Metal Scoop Accessory

Catalog Number	Description	Finish
TF308SL	Perforated Metal Scoop	Silver
TF308BL	Perforated Metal Scoop	Black
TF308WH	Perforated Metal Scoop	White



### Luminous Scoop Accessory

Catalog Number	Description	Scoop Finish	Collar Finish
TF309W-WH	Luminous Scoop	White Frost	White
TF309W-BL	Luminous Scoop	White Frost	Black
TF309W-SL	Luminous Scoop	White Frost	Silver
TF309BU-WH	Luminous Scoop	Blue Frost	White
TF309BU-BL	Luminous Scoop	Blue Frost	Black
TF309BU-SL	Luminous Scoop	Blue Frost	Silver
TF309YL-WH	Luminous Scoop	Yellow Frost	White
TF309YL-BL	Luminous Scoop	Yellow Frost	Black
TF309YL-SL	Luminous Scoop	Yellow Frost	Silver

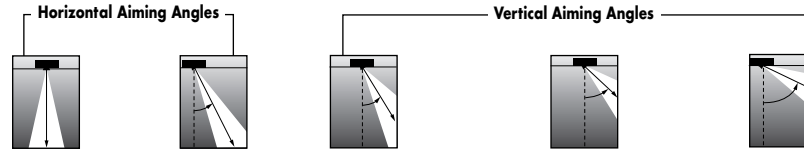


# TRAC 12

## Miniature Low Voltage Trac System UNIVERSAL LAMPHOLDER

### TL301, TF308, TF309

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
Q35W MR16	SP	20°	5000	3900	4	244	1.4	1.4	158	1.9	1.6	2	122	3.5	3.1	1.4	345	2.0	1.5	1.0	4	158	2.3	1.9	1.6
					6	108	2.1	2.1	70	2.8	2.4	3	54	5.2	4.7	2.1	153	3.0	2.2	1.5	6	70	3.5	2.8	2.4
					8	61	2.8	2.8	40	3.8	3.3	4	31	6.9	6.2	2.8	86	4.0	2.9	2.0	8	40	4.6	3.8	3.3
					10	39	3.5	3.5	25	4.7	4.1	5	20	8.7	7.8	3.5	55	5.0	3.6	2.5	10	25	5.8	4.7	4.1
	FL	40°	5000	1000	4	63	2.9	2.9	41	4.1	3.4	2	31	3.5	9.6	2.9	88	2.0	3.4	2.1	4	41	2.3	4.1	3.4
					6	28	4.4	4.4	18	6.1	5.0	3	14	5.2	14.5	4.4	39	3.0	5.0	3.1	6	18	3.5	6.1	5.0
					8	16	5.8	5.8	10	8.1	6.7	4	8	6.9	19.3	5.8	22	4.0	6.7	4.1	8	10	4.6	8.1	6.7
					10	10	7.3	7.3	6	10.2	8.4	5	5	8.7	24.1	7.3	14	5.0	8.4	5.1	10	6	5.8	10.2	8.4
	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	
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	

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 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.



1300 S. Wolf Road • Des Plaines, IL 60018 • Phone (847) 827-9880 • Fax (847) 827-2925  
 220 Chrysler Drive • Brampton, Ontario • Canada L6S 6B6 • Phone (905) 792-7335 • Fax (905) 792-0064  
 Visit us at [www.junolightinggroup.com](http://www.junolightinggroup.com)

Printed in U.S.A. ©2009 Juno Lighting, LLC.