

# TSRA35 BET

## 3.5" Track Spot Luminaire with Regressed Arm

3.5" Diameter Track spot designed for retail, hospitality and commercial spot lighting applications.

### LUMENS / WATTAGE DATA

PART NUMBER	DELIVERED LUMENS*	SYSTEM WATTS	LPW
TSRA35 29L BET	2900	29	100

\* 1 Nominal Delivered Lumens

### FEATURES

TSRA35 fixture delivers approximately 2900 initial lumens viz precise TIR optics. Available in four distinct beam patterns. Regressed optic produces clean beam with smooth edge and is field interchangeable to other beam angles without tools. Integral flat black baffle reduces peripheral brightness. Sturdy, regressed support arm has positive friction-grip hardware that will not sag, or rotate out of aiming position over time. Clean cylindrical housing has no exposed hardware and can rotate 359 degrees with up to 90 degree aiming from nadir. Integral on/off switch for convenience.

### CONSTRUCTION

TSRA35 is constructed of die cast aluminum and fabricated steel and is finished with durable powder coat finish that can be easily cleaned and maintained.

### ELECTRONICS

TSRA35 has best in class LED system with 5 MacAdam ellipse binning and 90+ CRI. Integral 120V power supply is dimmable via ELV type dimming protocol control devices (contact factory for more information).

### CODE COMPLIANCE

ETL listed for dry location. Manufactured and tested to UL Standards No. 1574.

### WARRANTY

5 year warranty standard. L70>60,000 hours.

PROJECT: \_\_\_\_\_

QUANTITY: \_\_\_\_\_

TYPE: \_\_\_\_\_



## PRODUCT SELECTOR GUIDE

SERIES	FAMILY	LUMENS	CCT	BEAM	DIMMING	ADAPTOR	FINISH	ACCESSORIES
TS	RA35	29L			E1	BET		

EXAMPLE

TS	RA35	29L	35HK	MD	E1	BET	MW	BETHL35A
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SERIES	FAMILY	LUMENS	CCT	BEAM	DIMMING	ADAPTOR	FINISH	ACCESSORIES								
TS	RA35	29L	2900 Lm	90 CRI		E1	Electronic Driver, 120V. ELV / TRIAC Dimming.	BET	Basix 1 CIR/1 NEUT 120V	MW	Matte White	MB	Matte Black	ORDER SEPARATELY		
				XN	20°									BETHL35A	Hex Louver	
				ND	25°										BETSNW35A	Snoot white (Matte Black Interior)
				MD	38°										BETSNB35A	Snoot black (Matte Black Interior)
40HK	3000 K	XW	59°	BET70WH	Mono Point Canopy White											
															BET70BK	Mono Point Canopy Black

GREEN TEXT INDICATES QUICK SHIP OPTIONS



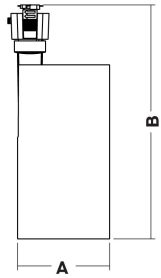
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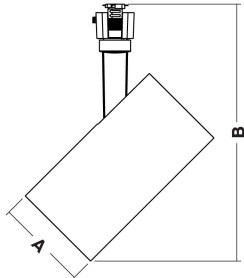
3.5" Track Spot Luminaire with Regressed Arm



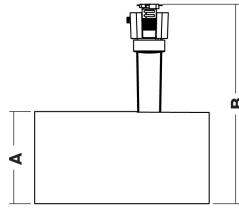
## FIXTURE DIMENSIONS



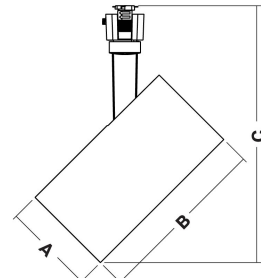
A	B
3.5 90 mm	9 229 mm



A	B
3.5 90 mm	9.9 251 mm



A	B
3.5 90 mm	7.7 195 mm



A	B	C
3.5 90 mm	6.7 170 mm	9.9 251 mm

## FINISH

**MW**  
Matte White



**MB**  
Matte Black



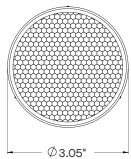
## PAINT TIMES

TIER	COST	AVERAGE PAINT TIME*
Tier 1 - Standard Finishes	\$	🕒
Custom Color	Contact Factory	Contact Factory

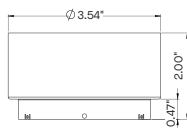
\*CONTACT FACTORY FOR SPECIFIC PRODUCT LEAD TIMES

## FIXTURE ACCESSORIES

**BETHL35A**  
HEX LOUVER



**BETSNW35A**  
SNOOT WHITE



**BETSNB35A**  
SNOOT BLACK



**BET70WH/BK**  
MONO POINT CANOPY



### TS - RA35 - 29L - 35HK - XN - xx - xx - MW

CANDLEPOWER CURVE TEST TSRA35-3	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS		SINGLE UNIT: PERFORMANCE HORIZONTAL FOOTCANDLES INITIAL DOWNLIGHT ONLY				MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES HORIZONTAL FOOTCANDLES AND WATTS/SQ FT							
		0° - 10°	0° - 20°	Mounting Distance	FC at Beam Center	Diameter at Beam Angle	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 4		RCR 6			
	0.00°	0° - 10°	1119	42%											
	0.00° 15865	0° - 20°	2086	79%	10.0'	159 fc	3.5'	76 fc	18'	4'	168	1.82	139	1.61	
	5.00° 13784	0° - 30°	2406	91%	12.0'	110 fc	4.3'	53 fc	22'	4'	150	1.63	157	1.81	
	10.00° 7993	0° - 40°	2503	95%	14.0'	81 fc	5.0'	39 fc	26'	6'	62	0.68	75	0.86	
	15.00° 3291	0° - 60°	2582	98%	16.0'	62 fc	5.7'	30 fc	Delivered Illuminance Rating: (DIR)						
	20.00° 1493	0° - 80°	2600	99%	20.0'	40 fc	7.1'	19 fc	92 FC per W/Sq. Ft.		86 FC per W/Sq. Ft.				
	30.00° 311	0° - 90°	2605	99%	24.0'	28 fc	8.5'	13 fc	3' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 4: Length & Width = Ceiling Ht. - 5.5' x 2.50 RCR 6: Length & Width = Ceiling Ht. - 5.5' x 1.66 * Average Initial Footcandles at 2.5' Above Floor						
	40.00° 89	Total	2638	100%	28.0'	20 fc	9.9'	10 fc							
	50.00° 53				32.0'	15 fc	11.3'	7 fc							
	60.00° 22														
	70.00° 7														
	80.00° 5														
90.00° 5															

Delivered Lumens: 2638  
Luminaire Watts: 27.76  
LER: 95.03

CP at 0deg (Nadir): 15865  
CRI:

Beam Angle: 20.1  
Spacing Ratio: 0.34

Lumen Multiplier:  
CCT Multiplier:

### TS - RA35 - 29L - 35HK - ND - xx - xx - MW

CANDLEPOWER CURVE TEST TSRA35-2	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS		SINGLE UNIT: PERFORMANCE HORIZONTAL FOOTCANDLES INITIAL DOWNLIGHT ONLY				MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES HORIZONTAL FOOTCANDLES AND WATTS/SQ FT							
		0° - 10°	0° - 20°	Mounting Distance	FC at Beam Center	Diameter at Beam Angle	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 3		RCR 5			
	0.00°	0° - 10°	960	36%											
	0.00° 12351	0° - 20°	2128	79%	10.0'	124 fc	4.5'	57 fc	18'	4'	155	1.60	144	1.60	
	5.00° 11086	0° - 30°	2451	91%	12.0'	86 fc	5.4'	40 fc	22'	6'	72	0.74	57	0.64	
	10.00° 8083	0° - 40°	2552	95%	14.0'	63 fc	6.2'	29 fc	26'	8'	37	0.38	37	0.41	
	15.00° 4404	0° - 60°	2635	98%	16.0'	48 fc	7.1'	22 fc	Delivered Illuminance Rating: (DIR)						
	20.00° 1605	0° - 80°	2654	99%	20.0'	31 fc	8.9'	14 fc	97 FC per W/Sq. Ft.		90 FC per W/Sq. Ft.				
	30.00° 315	0° - 90°	2659	99%	24.0'	21 fc	10.7'	10 fc	3' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 3: Length & Width = Ceiling Ht. - 5.5' x 3.33 RCR 5: Length & Width = Ceiling Ht. - 5.5' x 2.00 * Average Initial Footcandles at 2.5' Above Floor						
	40.00° 92	Total	2692	100%	28.0'	16 fc	12.5'	7 fc							
	50.00° 47				32.0'	12 fc	14.3'	6 fc							
	60.00° 21														
	70.00° 5														
	80.00° 5														
90.00° 4															

Delivered Lumens: 2692  
Luminaire Watts: 27.71  
LER: 97.15

CP at 0deg (Nadir): 12351  
CRI:

Beam Angle: 25.15  
Spacing Ratio: 0.43

Lumen Multiplier:  
CCT Multiplier:

### TS - RA35 - 29L - 35HK - MD - xx - xx - MW

CANDLEPOWER CURVE TEST TSRA35-1	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS		SINGLE UNIT: PERFORMANCE HORIZONTAL FOOTCANDLES INITIAL DOWNLIGHT ONLY				MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES HORIZONTAL FOOTCANDLES AND WATTS/SQ FT							
		0° - 10°	0° - 20°	Mounting Distance	FC at Beam Center	Diameter at Beam Angle	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 3		RCR 5			
	0.00°	0° - 10°	598	22%											
	0.00° 6799	0° - 20°	1853	67%	10.0'	68 fc	6.9'	29 fc	18'	6'	77	0.79	64	0.72	
	5.00° 6522	0° - 30°	2557	92%	12.0'	47 fc	8.3'	20 fc	22'	8'	44	0.46	37	0.41	
	10.00° 5789	0° - 40°	2649	95%	14.0'	35 fc	9.7'	15 fc	26'	10'	29	0.29	24	0.27	
	15.00° 4694	0° - 60°	2720	98%	16.0'	27 fc	11.1'	11 fc	Delivered Illuminance Rating: (DIR)						
	20.00° 3116	0° - 80°	2738	99%	20.0'	17 fc	13.9'	7 fc	97 FC per W/Sq. Ft.		89 FC per W/Sq. Ft.				
	30.00° 355	0° - 90°	2743	99%	24.0'	12 fc	16.7'	5 fc	3' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 3: Length & Width = Ceiling Ht. - 5.5' x 3.33 RCR 5: Length & Width = Ceiling Ht. - 5.5' x 2.00 * Average Initial Footcandles at 2.5' Above Floor						
	40.00° 70	Total	2777	100%	28.0'	9 fc	19.4'	4 fc							
	50.00° 38				32.0'	7 fc	22.2'	3 fc							
	60.00° 23														
	70.00° 6														
	80.00° 4														
90.00° 3															

Delivered Lumens: 2777  
Luminaire Watts: 28.04  
LER: 99.04

CP at 0deg (Nadir): 6799  
CRI:

Beam Angle: 38.28  
Spacing Ratio: 0.63

Lumen Multiplier:  
CCT Multiplier:

# TSRA35 BET

## 3.5" Track Spot Luminaire with Regressed Arm



TS - RA35 - 29L - 35HK - XW - xx - xx - MW

CANDLEPOWER CURVE TEST TSRA35-4	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS		SINGLE UNIT: PERFORMANCE HORIZONTAL FOOTCANDLES INITIAL DOWNLIGHT ONLY				MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES HORIZONTAL FOOTCANDLES AND WATTS/SQ FT						
		0° - 10°	278	11%	Mounting Distance	FC at Beam Center	Diameter at Beam Angle	FC at Beam Edge	Ceiling Height	Fixture Spacing	RCR 2		RCR 4	
	0.00° 2943	0° - 10°	278	11%										
	5.00° 2930	0° - 20°	1003	38%										
	10.00° 2829	0° - 30°	1854	70%	6.5'	70 fc	7.4'	23 fc	9'	4'	173	1.81	111	1.33
	15.00° 2603	0° - 40°	2418	92%	7.5'	52 fc	8.5'	17 fc	12'	6'	72	0.76	46	0.56
	20.00° 2276	0° - 60°	2580	98%	8.5'	41 fc	9.6'	13 fc	16'	8'	44	0.46	38	0.46
	30.00° 1428	0° - 80°	2601	99%	10.0'	29 fc	11.3'	10 fc	Delivered Illuminance Rating: (DIR)		96 FC per W/Sq. Ft.		83 FC per W/Sq. Ft.	
	40.00° 375	0° - 90°	2606	99%	12.0'	20 fc	13.6'	7 fc	1' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 2: Length & Width = Ceiling Ht. - 3.5' x 5.00 RCR 4: Length & Width = Ceiling Ht. - 3.5' x 2.50 * Average Initial Footcandles at 2.5' Above Floor					
	50.00° 67	Total	2638	100%	14.0'	15 fc	15.8'	5 fc						
	60.00° 26				16.0'	11 fc	18.1'	4 fc						
	70.00° 7				20.0'	7 fc	22.6'	2 fc						
	80.00° 4													
	90.00° 4													

Delivered Lumens: **2638**  
 Luminaire Watts: **27.89**  
 LER: **94.59**

CP at 0deg (Nadir): **2943**  
 CRI:

Beam Angle: **58.98**  
 Spacing Ratio: **0.9**

Lumen Multiplier:  
 CCT Multiplier: