



AKTSLED

LED Track Head
Track or Bus Mount

DATE: _____ TYPE: _____

FIRM NAME: _____

PROJECT: _____



For conversion to millimeters,
multiply inches by 25.4
Not to Scale

APPLICATIONS:

Prescolite's AKTSLED3 (high efficacy) and AKTSLED4 (high output) are robust, power-efficient designs, perfect for a wide variety of commercial and retail applications. They blend in perfectly with the rest of the SignosM fixture line while providing an attractive LED option for high lumen output with low power use. The Light Engine can be used in up to a 40°C (104° F) ambient temperature environment and still maintain a 5 year warranty. (Track applications must adhere to limits of the associated track systems).

FIXTURE:

Diecast aluminum fixture with electronic driver. Lamp gimbal rotates 180° both horizontally and vertically for toolless aiming. Prescolite track connector has fixed solid copper contacts for one or two circuit connection without modification. Baked enamel finish available in black (BL), white (WH), or Zet (Z) metallic silver.

LED LIGHT ENGINE:

AKTSLED3 has (10) 1-watt white LEDs while the AKTSLED4 has (10) 2.5-watt white LEDs. Each is equipped with an integral heat sink that provides a minimum of 50,000 hours of life expectancy at 70% lumen maintenance. Factory configurable optics to allow for changes in beam spread appropriate for particular applications.

LED DRIVER:

Energy efficient solid state constant current electronic driver with 50,000 hour minimum anticipated life. Meets UL class 2, with over-voltage, over-current, and short-circuit protection. 120V operation.

INSTALLATION:

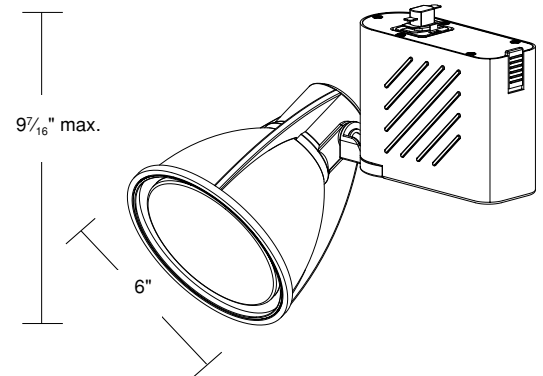
Prescolite ArchiTrak®, Capri CT Series 120V Track (1- or 2-circuit). The AKTSLED can also be made compatible with many competitive track systems. Contact technical support for a full list of options and availability.

LABELS:

CSA C/US Listed.

WARRANTY:

Five Year Limited Warranty.



CATALOG NUMBER:

EXAMPLE: AKTSLED335K7SP18SSBL

BASE	COLOR	CRI	BEAM SPREAD	MOUNTING	SHADE	FINISH
<input type="checkbox"/> AKTSLED3 6" 14W Track mounted LED	<input type="checkbox"/> 27K 2700 Kelvin <input type="checkbox"/> 35K 3500 Kelvin	<input type="checkbox"/> 7 Nominal 70+ CRI <input type="checkbox"/> 8² Nominal 80+ CRI <input type="checkbox"/> 9¹ Nominal 90+ CRI	<input type="checkbox"/> SP18 Spot (18°) <input type="checkbox"/> MD25 Medium (25°) <input type="checkbox"/> FL35 Flood (35°)	<input type="checkbox"/> Blank Prescolite Track <input type="checkbox"/> CT Capri CT Series 120V Track 1- or 2-circuit	<input type="checkbox"/> PS Perforated Shade <input type="checkbox"/> SS¹ Solid Shade	<input type="checkbox"/> BL Black <input type="checkbox"/> WH White <input type="checkbox"/> Z Zet (Metallic Silver)
<input type="checkbox"/> AKTSLED4 6" 28W Track mounted LED	<input type="checkbox"/> 40K 4000 Kelvin <input type="checkbox"/> 50K 5000 Kelvin					

¹ AKTSLED3 only.
² AKTSLED4 only.

PHOTOMETRIC DATA

ArchiTrak® - LED Track Head AKTSLED3

DRIVER DATA	D6LED3
Input Voltage	120V
Input Frequency	60 Hz
Input Current	0.13A (0.2A max)
Input Power	14W (21.5W max)
Constant Current Output	700mA
Power Factor	≥0.90
THD	<20%
EMI Filtering	FCC 47CFR Part 15, Class A
Operating Temperature	-40°C to 60°C

LUMEN MULTIPLIER

	2700K	3500K	4000K	5000K
70+ CRI	.93	Baseline	1.06	1.25
90+ CRI	.68	.75	.81	.87

Note: Multipliers shown are based on LED manufacturer data and can be used to approximate the lumen intensity of a fixture with different LED color temperature and/or CRI with identical optical configuration and reflector finish. For reference only.

Over-voltage, over-current, short-circuit protected

AKTSLED335K7SP18SSBL

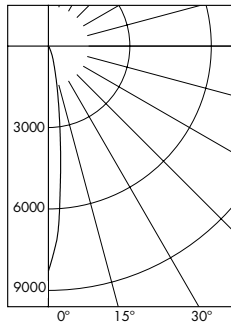
LED Light Engine: (10) LED Array 3500K Std. CRI with SP18 Optics (Spot)

System Wattage: 13.8W

Fixture delivered lumens: 827 lumens

Fixture Efficacy: 60 lumens per Watt

Spacing Criteria: 0.2



CANDLEPOWER SUMMARY

Angle	Candela	Lumens
0	8293	
5	5053	409
15	920	273
25	198	98
35	40	25
45	16	13
55	8	5
65	1	2
75	1	2
85	2	1
90	0	

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LUMINAIRE
0-30	780	94.3
0-40	805	97.3
0-60	823	99.5
0-90	827	100.0

Test No. 3253

Tested at 25°C ambient temperature in accordance to IESNA LM-79-2008

AKTSLED335K7MD25SSBL

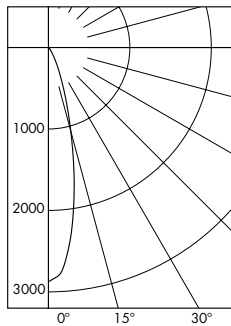
LED Light Engine: (10) LED Array 3500K Std. CRI with MD25 Optics (Medium)

System Wattage: 13.8W

Fixture delivered lumens: 733 lumens

Fixture Efficacy: 53 lumens per Watt

Spacing Criteria: 0.4



CANDLEPOWER SUMMARY

Angle	Candela	Lumens
0	2876	
5	2573	226
15	1063	296
25	279	132
35	71	47
45	23	18
55	10	8
65	3	3
75	1	1
85	0	1
90	0	

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LUMINAIRE
0-30	654	89.2
0-40	701	95.6
0-60	728	99.2
0-90	733	100.0

Test No. 3252

Tested at 25°C ambient temperature in accordance to IESNA LM-79-2008

AKTSLED335K7FL35SSBL

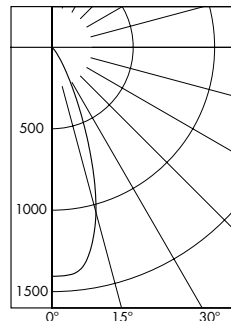
LED Light Engine: (10) LED Array 3500K Std. CRI with FL35 Optics (Flood)

System Wattage: 13.8W

Fixture delivered lumens: 685 lumens

Fixture Efficacy: 50 lumens per Watt

Spacing Criteria: 0.6



CANDLEPOWER SUMMARY

Angle	Candela	Lumens
0	1406	
5	1399	132
15	1049	285
25	376	176
35	91	59
45	24	20
55	8	7
65	3	3
75	2	2
85	1	1
90	0	

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LUMINAIRE
0-30	593	86.6
0-40	652	95.2
0-60	679	99.1
0-90	685	100.0

Test No. 3251

Tested at 25°C ambient temperature in accordance to IESNA LM-79-2008

NOTES

Refer to www.prescolite.com for additional photometric tests (IES Files).



Web: www.prescolite.com • Tech Support: (888) 777-4832
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PHOTOMETRIC DATA

ArchiTrak® - LED Track Head AKTSLED4

DRIVER DATA	D6LED4
Input Voltage	120V
Input Frequency	50/60 Hz
Input Current	0.235A (0.4A max)
Input Power	28W (34W max)
Constant Current Output	1400mA
Power Factor	≥0.90
THD	<20%
EMI Filtering	FCC 47CFR Part 15, Class A
Operating Temperature	-40°C to 60°C
Over-voltage, over-current, short-circuit protected	

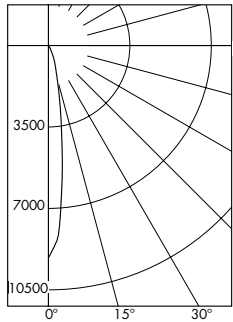
LUMEN MULTIPLIER

	2700K	3500K	4000K	5000K
70+ CRI	1.06	1.13	1.20	1.41
80+ CRI	.89	Baseline	1.10	1.15

Note: Multipliers shown are based on LED manufacturer data and can be used to approximate the lumen intensity of a fixture with different LED color temperature and/or CRI with identical optical configuration and reflector finish. For reference only.

AKTSLED435K8SP18PSBL

LED Light Engine: (10) LED Array 3500K Mid CRI with SP18 Optics (Spot)
System Wattage: 27.7W
Fixture delivered lumens: 1249
Fixture Efficacy: 45 lumens per Watt
Spacing Criteria: 0.3



CANDLEPOWER SUMMARY		
Angle	Candela	Lumens
0	9127	
5	6444	524
15	1438	422
25	400	191
35	90	57
45	41	31
55	13	13
65	4	5
75	2	2
85	3	2
90	3	

ZONAL LUMEN SUMMARY

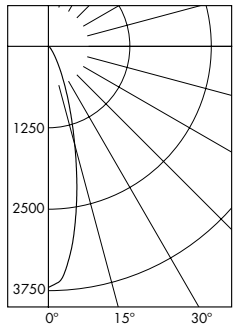
ZONE	LUMENS	%LUMINAIRE
0-30	1138	91.1
0-40	1195	95.7
0-60	1240	99.3
0-90	1249	100.0

Test No. 3250

Tested at 25°C ambient temperature in accordance to IESNA LM-79-2008

AKTSLED435K8MD25PSBL

LED Light Engine: (10) LED Array 3500K Mid CRI with MD25 Optics (Medium)
System Wattage: 27.5W
Fixture delivered lumens: 1123
Fixture Efficacy: 41 lumens per Watt
Spacing Criteria: 0.4



CANDLEPOWER SUMMARY		
Angle	Candela	Lumens
0	3700	
5	3356	298
15	1562	434
25	488	230
35	143	92
45	52	40
55	21	18
65	7	8
75	2	2
85	0	1
90	1	

ZONAL LUMEN SUMMARY

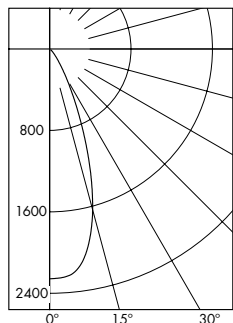
ZONE	LUMENS	%LUMINAIRE
0-30	962	85.7
0-40	1054	93.8
0-60	1112	99.0
0-90	1123	100.0

Test No. 3249

Tested at 25°C ambient temperature in accordance to IESNA LM-79-2008

AKTSLED435K8FL35PSBL

LED Light Engine: (10) LED Array 3500K Mid CRI with FL35 Optics (Flood)
System Wattage: 27.5W
Fixture delivered lumens: 1130
Fixture Efficacy: 41 lumens per Watt
Spacing Criteria: 0.6



CANDLEPOWER SUMMARY		
Angle	Candela	Lumens
0	2258	
5	2233	209
15	1635	447
25	631	294
35	169	112
45	50	41
55	17	16
65	6	6
75	2	4
85	1	1
90	1	

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LUMINAIRE
0-30	950	84.1
0-40	1062	94.0
0-60	1118	99.0
0-90	1130	100.0

Test No. 3248

Tested at 25°C ambient temperature in accordance to IESNA LM-79-2008

NOTES

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