

SPEQ-S-HP

Small Cylinder Track Head



PROJECT:

TYPE:

Features

This next-generation SPEQ track head from Amerlux redefines architectural lighting with a powerful new LED engine and advanced optical package. It's engineered to meet the standards of today's lighting designers. Built for longevity and sustainability, offers outstanding efficacy at high lumen levels. Its minimalist form factor-free of visible heat sinks or venting-seamlessly integrates into any architectural environment, allowing your design narrative to shine without distraction. The upgraded optical system delivers pinpoint beam control, superior color consistency, and exceptional glare management. Whether you're illuminating fine art, luxury retail, or high-end commercial interiors, SPEQ ensures visual comfort and flawless light quality.



SPEQ-S-HP

Product Overview

Type: Track Accent & Display
Wattage: 7W, 14W
Color Temp: 2700K, 3000K, 3500K, 4000K
CRI: 90+ typ.
Dimming: TRIAC & ELV, 5% Dim, 120VAC
Weight: 1.5 lbs (without accessories)

Certifications



Fixture Summary

Performance Data

Watts	Delivered Lumens	LPW	CBCP	Color Temp-CRI
7	999	121	2987	3000K-90+
14	1694	125	5973	3000K-90+

Data is based on 3000K-90+ 120V IES files available on website.

Data is based on 30D (flood) optic. See pg 5-7 for other beam spreads.

Electrical Data

	7W		14W	
Voltage	System Watts	Amps	System Watts	Amps
120V	7	0.06	14	0.12

Electronic constant current LED driver.

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Ordering Information

SPEQ-S-HP	.	.	.	120	.	.	LE/TE	.
1	2	3	4	5	6	7	8	9

1	Model	2	Wattage	3	Finish
	SPEQ-S-HP	7			WT white texture
		14			BT black texture
					ST silver texture
					Other finishes, consult factory

4	Mounting	5	Voltage	6	Beam Spreads
	TN1 Global GES /H-Style, 1 circuit, 120V		120		20D narrow flood, 20°
	TEK Global TEK 2 circuit/ 2 neutral, 120V				30D flood, 30°
	TN3 Global XTS 3 circuit, 120V				40D wide flood, 40°
	CT J-Style 1 or 2 circuit, 120V				50D very wide flood, 50°
	LOL L-Style 1 circuit, 120V				
	C canopy, 120V				
	CCL2-SCP C-clamp, black, with straight cord*, 6' 120V				
	CCL2-CCP C-clamp, black, with coil cord*, 5' 120V				
	Notes: * Black cord used for BT & ST finish. White cord used for WT finish.				

7	Color Temp	8	Driver	9	Options/Accessories
	279 2700K-90+		LE/TE TRIAC/ELV dimming, 120V only		(standard front door accepts up to 2 accessories)
	309 3000K-90+				SN snoot (accepts up to 2 accessories)
	359 3500K-90+				HEX hexcell louver
	409 4000K-90+				SOL solite beam softening lens
					CB cross blade (requires snoot)



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Specifications

Application

Retail, Museum, Gallery, Hospitality and Commercial accent and display lighting

Construction

Complete die-cast aluminum construction
No exposed wiring

Optical

TIR optical system
0-90° tilt, 360° rotation
Tilt indicating marks for common tilt positioning
Beam Spreads: Narrow Flood 20°, Flood 30°, Wide Flood 40°, Very Wide Flood 50°

LED

Color Temp Options: 2700K, 3000K, 3500K, 4000K
CRI: 90+ typ.
R9 Values: 55 (90+ CRI)
Binning: 3-step MacAdam ellipse (SDCM)
Life: 50,000+ hrs, > 70% of initial lumens at 50,000 hrs

Electrical

Wattage: 7W, 14W
Electronic constant current LED driver, 120VAC input
This product complies with IEEE C62.41 for surge endurance up to 2.5KV. Amerlux® recommends using additional surge protection with this unit (supplied by others), surge and over voltage damage is not covered under warranty.

Driver

LE/TE - Leading Edge (Triac, Forward Phase) or Trailing Edge (ELV, Reverse Phase) autosensing driver dims down to 5% on most dimming systems.
Driver rated for A/C voltage input +/- 10%
See dimming page for more information.

Finish

Powder coat paint.
Standard colors: White Texture, Black Texture, Silver Texture
Consult factory for custom RAL powder coat finishes

Mounting

Track, canopy and c-clamp.
Note: Recommend track fixture mounting to horizontal surface mounted/pendant mounted track only

Certifications

Approved to UL standards as tested by CSA.
Intended for indoor use only.

Warranty

5 year limited warranty

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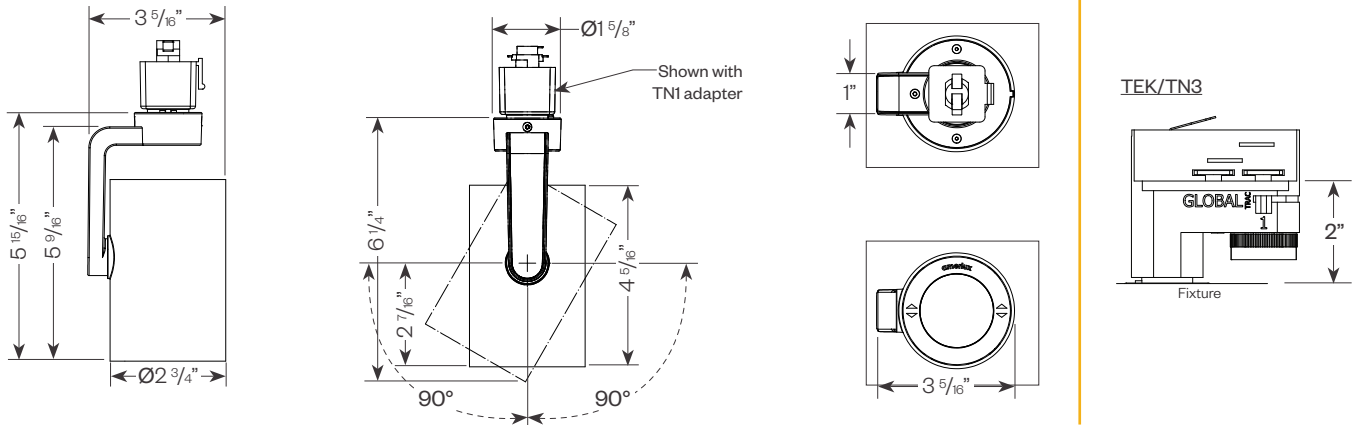


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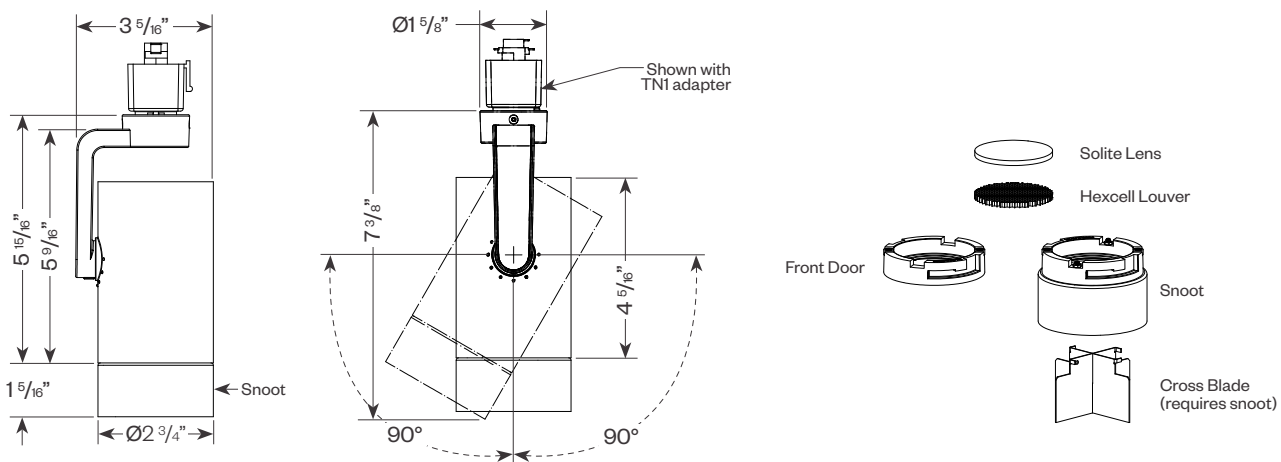
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Product Details

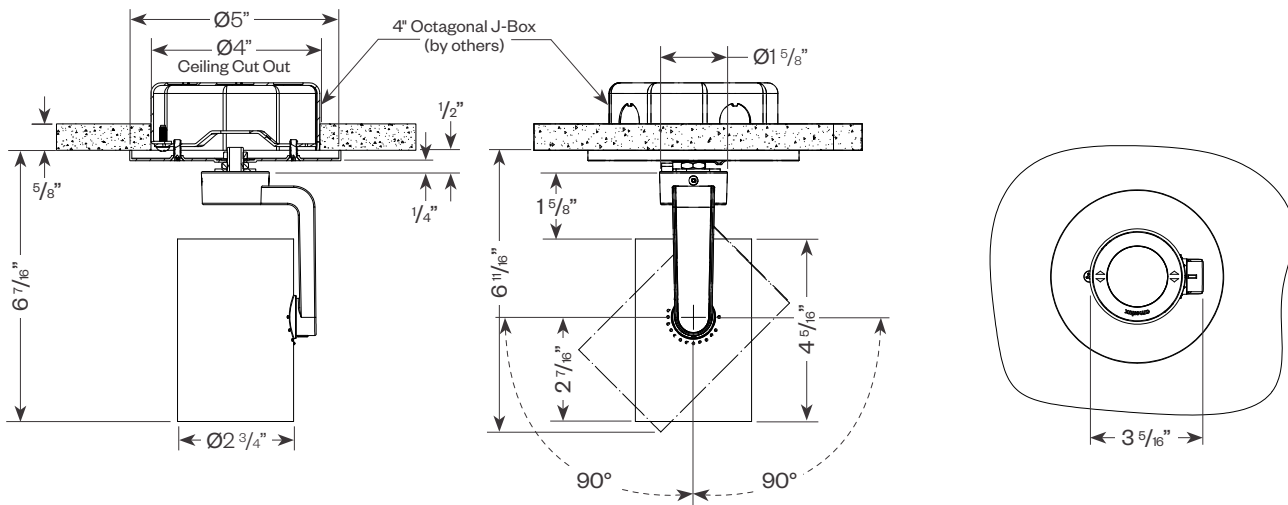
SPEQ-S



SPEQ-S Snoot & Accessories



SPEQ-S Canopy Mount



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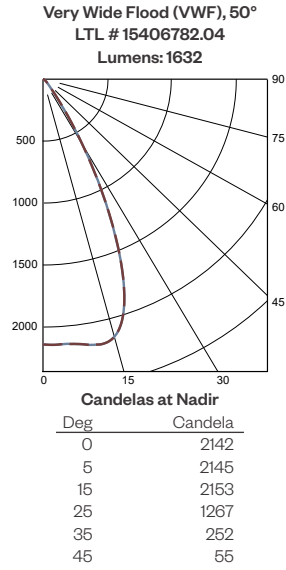
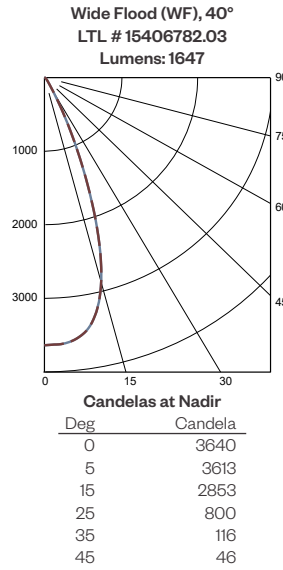
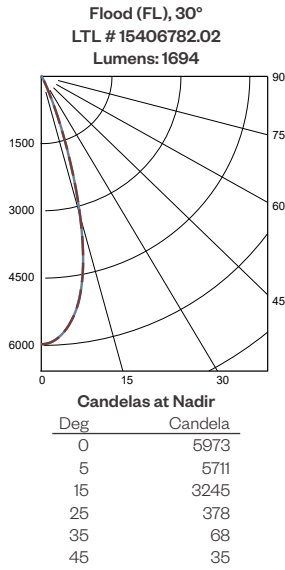
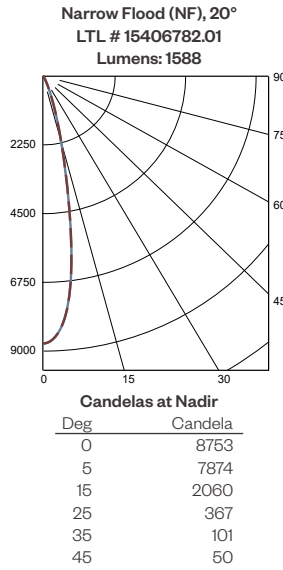
Performance Data

Multiplying Factors: (Multiplying Factor is based on 3000K-90+ 120V IES file on website)

Wattage:	7W	14W
Factor:	0.59	1.0

CCT:	2700K-90+	3000K-90+	3500K-90+	4000K-90+
Factor:	1.005	1.000	1.016	1.029

14W LED, 3000K-90+



Application Data

Notes and Definitions:

Beam spread is to 50% center beam candlepower (CBCP).

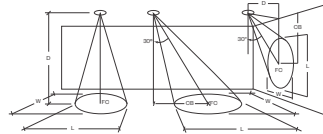
D=Distance to floor or wall.

FC=Footcandles on floor or wall at center beam aiming location.

L=Effective Visual Beam length in feet (50% of maximum footcandle level).

W=Effective Visual Beam width in feet (50% of maximum footcandle level).

CB=Distance across or down to center beam location.



	 0° Aiming Angle Horizontal Footcandles				 30° Aiming Angle Horizontal Footcandles				 30° Aiming Angle Vertical Footcandles				 60° Aiming Angle Vertical Footcandles						
NARROW FLOOD	D	FC	L	W	D	FC	L	W	CB	D	FC	L	W	CB	D	FC	L	W	CB
	5.0'	351	1.7	1.7	5.0'	226	2.5	2.1	3.0	3.0'	167	3.0	1.6	4.0	3.0'	533	1.9	1.2	2.0
	7.5'	156	2.9	2.9	7.5'	106	3.5	3.1	4.0	4.0'	89	4.2	2.7	6.0	4.0'	375	1.9	1.5	2.0
	10.0'	88	3.6	3.6	10.0'	60	4.6	4.0	5.0	5.0'	60	5.0	3.1	7.0	5.0'	221	2.5	2.2	3.0
	12.5'	56	4.6	4.6	12.5'	38	5.8	5.2	6.0	6.0'	42	6.2	3.6	8.0	6.0'	167	3.0	2.5	3.0
FLOOD	D	FC	L	W	D	FC	L	W	CB	D	FC	L	W	CB	D	FC	L	W	CB
	5.0'	240	2.7	2.7	5.0'	167	3.1	2.9	2.0	3.0'	132	3.3	2.6	4.0	3.0'	425	2.2	1.6	1.0
	7.5'	107	3.9	3.9	7.5'	75	4.8	4.4	3.0	4.0'	79	4.1	3.1	5.0	4.0'	263	2.6	2.5	2.0
	10.0'	60	5.3	5.3	10.0'	42	6.3	5.8	5.0	5.0'	52	5.0	4.0	6.0	5.0'	170	3.1	2.9	2.0
	12.5'	39	6.7	6.7	12.5'	27	7.9	7.3	6.0	6.0'	37	6.1	4.8	7.0	6.0'	117	3.8	3.5	3.0
WIDE FLOOD	D	FC	L	W	D	FC	L	W	CB	D	FC	L	W	CB	D	FC	L	W	CB
	5.0'	146	3.3	3.3	5.0'	114	3.7	3.4	2.0	3.0'	113	2.8	2.6	3.0	3.0'	315	2.2	2.0	1.0
	7.5'	65	5.0	5.0	7.5'	51	5.5	5.3	3.0	4.0'	64	3.8	3.5	4.0	4.0'	164	3.2	3.0	2.0
	10.0'	37	6.8	6.8	10.0'	29	7.3	7.1	4.0	5.0'	41	4.8	4.4	5.0	5.0'	114	3.7	3.4	2.0
	12.5'	24	8.5	8.5	12.5'	18	9.2	8.9	5.0	6.0'	28	5.8	5.3	6.0	6.0'	79	4.5	4.3	2.0
VERY WIDE FLOOD	D	FC	L	W	D	FC	L	W	CB	D	FC	L	W	CB	D	FC	L	W	CB
	5.0'	86	4.5	4.5	5.0'	72	4.3	4.5	1.0	3.0'	85	2.9	3.1	3.0	3.0'	210	2.4	2.7	1.0
	7.5'	38	6.7	6.7	7.5'	35	6.0	6.6	2.0	4.0'	49	3.6	4.2	3.0	4.0'	123	3.2	3.4	1.0
	10.0'	22	8.9	8.9	10.0'	20	8.2	8.9	3.0	5.0'	33	4.4	5.0	4.0	5.0'	76	4.2	4.5	1.0
	12.5'	14	11.2	11.2	12.5'	13	10.4	11.2	3.0	6.0'	24	5.2	6.1	5.0	6.0'	53	5.0	5.3	2.0

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Dimming Compatibility

Amerlux® SPEQ® fixtures are compatible with all major dimming protocols prevalent in the United States. Please see below for general compatibilities and wiring diagrams. Amerlux recommends testing your unique dimming configuration as the exact full configuration (*Dimmer, Fixture Quantity, Voltage, etc*) may affect dimming performance.

--- NOTE: INFORMATION BELOW IS FOR WIRED DIMMERS ONLY. FOR WIRELESS DIMMERS, CONSULT FACTORY ---

TRIAC (Forward Phase) Dimming (Standard)

Utilizes standard TRIAC dimmers that are in wide use in installations across the US. Best for retrofit applications where TRIAC dimmers are installed.

Notes:

- 120VAC only
- Dims down to 5% light output (*most cases*)
- Consult Dimming manufacturer for installation instructions - **DO NOT SHARE NEUTRALS!**
- Must meet dimmer Minimum Load Requirements per dimming manufacturer

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Compatible Dimmers*:

Wall Box (TRIAC 120VAC)

Lutron "Diva"
Lutron "Nova-T"
Lutron "Maestro"
Lutron "Skylark"

ELV - Electronic Low Voltage (Reverse Phase) Dimming (Standard)

Utilizes specialized "ELV" dimmers.

Notes:

- 120VAC only
- Dims down to 5% light output (*most cases*)
- Consult Dimming manufacturer for installation instructions - **DO NOT SHARE NEUTRALS!**
- Must meet dimmer Minimum Load Requirements per dimming manufacturer

Notes:

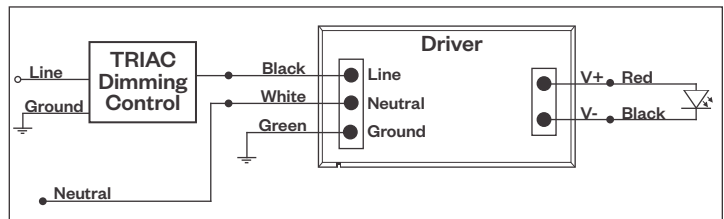
- 120VAC only
- Dims down to 5% light output (*most cases*)
- Consult Dimming manufacturer for installation instructions - **DO NOT SHARE NEUTRALS!**
- Must meet dimmer Minimum Load Requirements per dimming manufacturer

Compatible Dimmers*:

Wall Box (ELV 120VAC)

Lutron "Diva"
Lutron "Nova-T"
Lutron "Maestro"
Lutron "Skylark"
Leviton "Surslide"
Leviton "Vizio"

TRIAC Wiring Diagram



ELV Wiring Diagram

