

SPEQ-M

Medium Cylinder Track Head



PROJECT:

TYPE:

Features

The SPEQ Series fixtures are engineered for longevity and performance. The SPEQ-M track head from Amerlux seamlessly blends a clean, minimal aesthetic with industry-leading optical performance. Achieving a maximum of 3,000 delivered lumens @90 CRI, the SPEQ-M provides exceptional illumination. Our proprietary high-end optical designs ensure your space is lit perfectly and efficiently. The fixture boasts a discreet design with no visible heat sink or venting, and a perfectly matched snoot delivers excellent glare control while maintaining the fixture's sleek lines. The integral driver offers full functionality, including low-end dimming and robust 2.5 KV surge protection. Ideal for galleries, retail environments, and commercial interiors, the SPEQ-M ensures your lighting is both precise and energy-efficient.



SPEQ-M

Product Overview

Type:	Track Accent & Display
Wattage:	21W, 26W, 30W
Color Temp:	2200K, 2700K, 3000K, 3500K, 4000K
CRI:	90+ typ. 3K Class A LED's available
Dimming:	TRIAC & ELV, 5% Dim, 120VAC
Weight:	2.5 lbs (without accessories)

Certifications



Fixture Summary

Performance Data

Watts	Delivered Lumens	LPW	CBCP	Color Temp-CRI
21	2323	110.6	14,236	3000K-90+
26	2723	104.7	16,656	3000K-90+
30	3068	105.8	18,792	3000K-90+

IES files available on website.

Data is based on Very Narrow Flood optic.

See pg 5-7 for other beam spreads.

Electrical Data

	21W		26W		30W	
Voltage	System Watts	Amps	System Watts	Amps	System Watts	Amps
120V	19.9	0.17	25.3	0.21	30.5	0.25
277V	19.9	0.07	25.3	0.09	30.5	0.11

Electronic constant current LED driver.

SPEQ-M

Medium Cylinder Track Head



PROJECT:

TYPE:

Ordering Information

SPEQ-M-A17

1

2

3

4

5

6

7

8

9

1 Model

SPEQ-M-A17

2 Wattage

21

26

30

3 Finish

WT white texture

BT black texture

ST silver texture

Other finishes, consult factory

4 Mounting

TN1 Global GES 1cir/H-Style, 120V

TEK Global TEK 2cir/2neut, 120V

TN3 Global XTS 3cir, 120V

TN2 Global HTEK 2cir/2neut, 277V

CT J-Style 1 or 2 cir, 120V

LOL L-Style 1cir, 120V

OPR Capri 1cir, 120V

C canopy, 120V or 277V

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.

5 Voltage

120

277 (not available with
LE/TE dimming driver)

6 Beam Spread

SP spot, 14°

VNF very narrow flood, 16°

NF narrow flood, 22°

FL flood, 35°

WF wide flood, 40°

LS linear spread lens, 54° x 16°

(reduces # of accessories by 1, if applicable)

For VNSP (very narrow spot, 8°) beam
spread, please consult factory.

7 Color Temp

90+ CRI

229 2200K-90+

279 2700K-90+

309 3000K-90+

359 3500K-90+

409 4000K-90+

3CLA 3K Class A

8 Driver

LE/TE TRIAC/ELV dimming,
120V only

ND non-dimming, 277V only

9 Options/Accessories

(standard front door accepts up to 2 accessories)

SN snoot (accepts up to 2 accessories or cross
blade + 1 accessory)

HEX hexcell louver

SOL solite beam softening lens

CB cross blade (requires snoot)



SPEQ-M

Medium Cylinder Track Head



PROJECT:

TYPE:

Specifications

Application

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

Construction

Complete die-cast aluminum construction
No exposed wiring

Optical

Patented Amerlux designed TIR optical system.
0-90° lockable tilt, 360° rotation
Tilt indicating marks for common tilt positioning

Beam Spreads: Spot 14°, Very Narrow Flood 16°,
Narrow Flood 22°, Flood 35°, Wide Flood 40°;
Linear Spread Lens 54° x 16°
Consult factory for VNSP beam spread

LED

Color Temp Options: 2200K, 2700K, 3000K, 3500K, 4000K
CRI: 90+ typ.

Class A* 3000K LEDs available

R9 Values: 55 (90+ CRI)

Binning: 3-step MacAdam ellipse (SDCM)

Life: 50,000+ hrs, > 70% of initial lumens at 50,000 hrs

** Class A LED: Class A LED's have a CRI > 80 and a GAI > 80. CRI defines color "Naturalness" and GAI defines color "Saturation." Both being high delivers rich colors and pure whites.*

Electrical

Wattage: 21W, 26W, 30W

Electronic constant current LED driver, 120VAC input only

Non-dimming driver, 277VAC only

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. 120V only

ND - non-dimming, 277V

All drivers rated for A/C voltage input +/- 10%

See dimming pages 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



Medium Cylinder Track Head

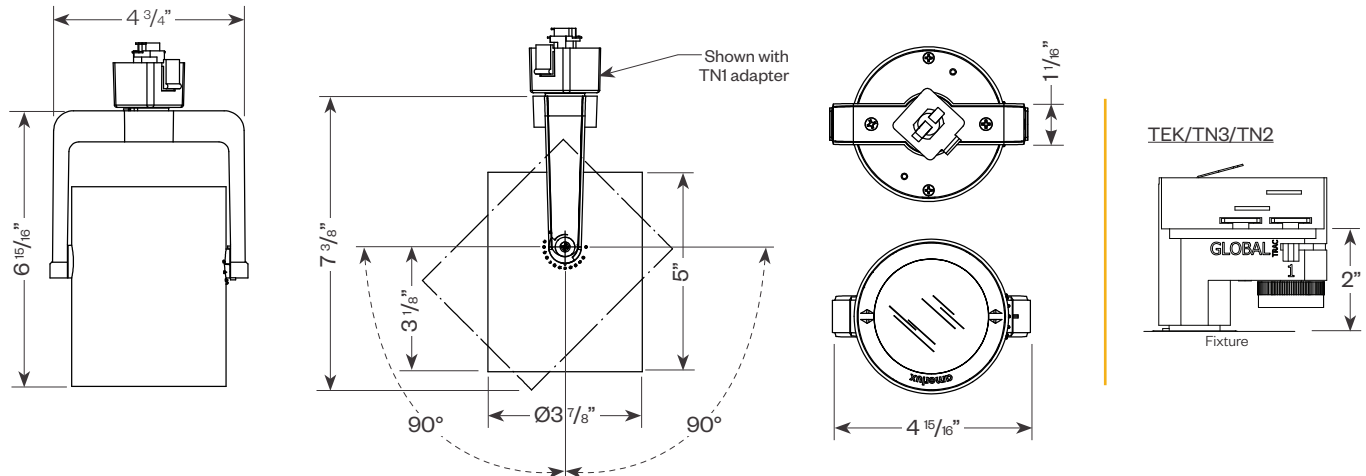


PROJECT:

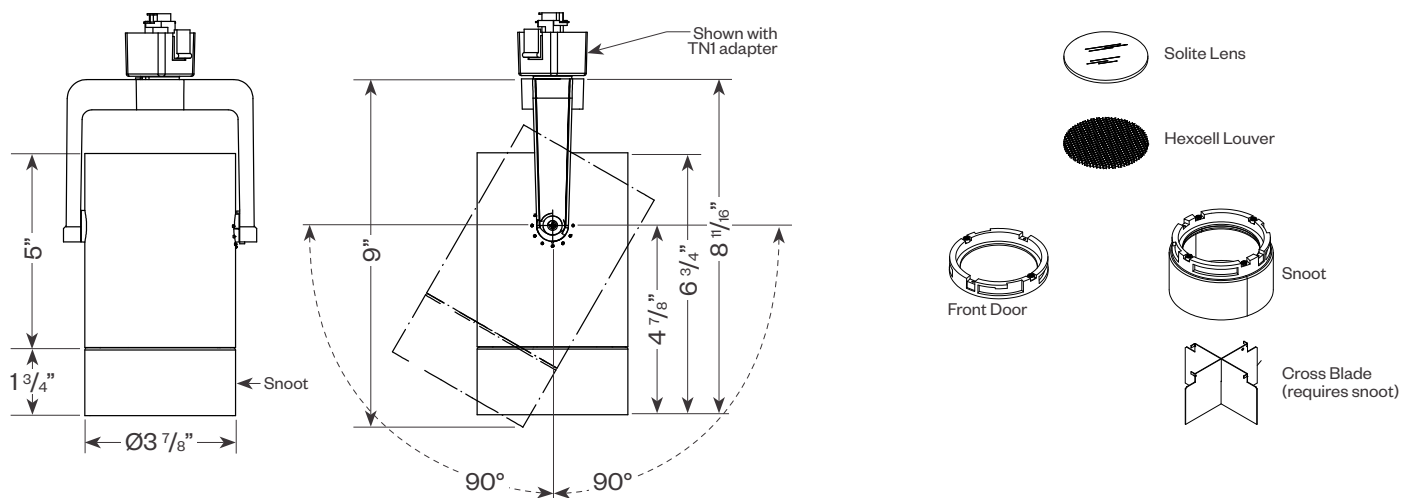
TYPE:

Product Details

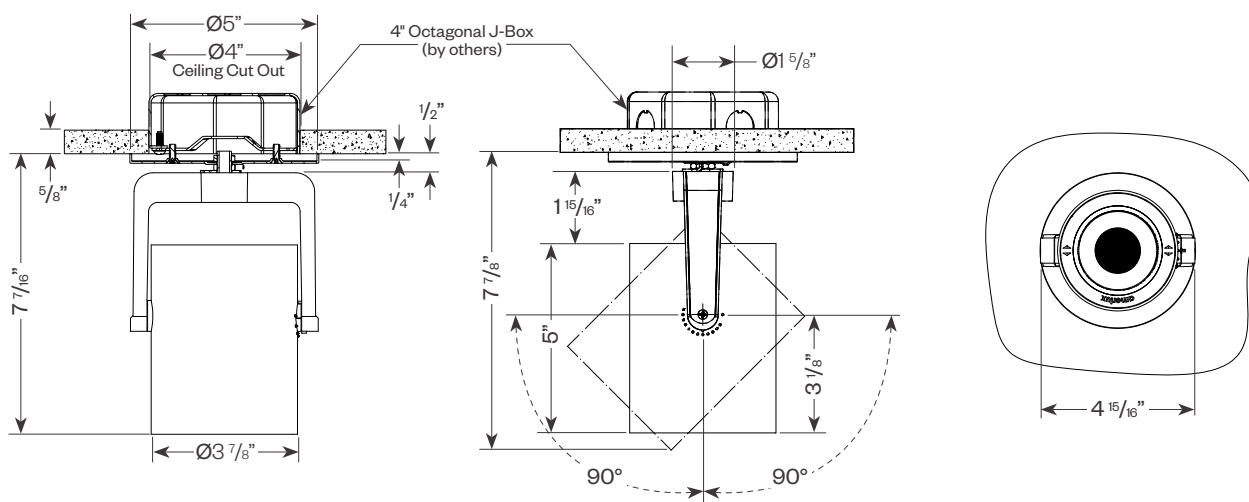
SPEQ-M



SPEQ-M Snoot & Accessories



SPEQ-M Canopy Mount



Delta Intelligent Building Technologies

178 Bauer Drive, Oakland, NJ 07436 • P: 973-882-5010 F: 973-882-2605 • amerlux.com
Amerlux reserves the right to change details that do not affect overall function and performance.
LIT-2123 / 03/31/26 • Page 4 of 8

SPEQ-M

Medium Cylinder Track Head



PROJECT:

TYPE:

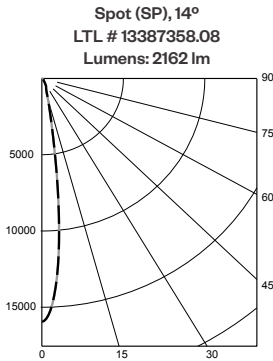
Performance Data

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

CCT:	2200K-90+	2700K-90+	3000K-90+	3500K-90+	4000K-90+	3CLA
Factor:	0.636	0.978	1.000	1.030	1.056	0.700

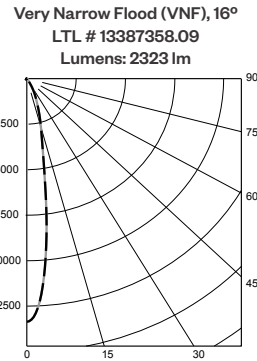
Wattage:	21W	26W	30W
Factor:	1.0	1.17	1.32

21W LED, 3000K-90+CRI (For FL & WF beam options see pg 6)



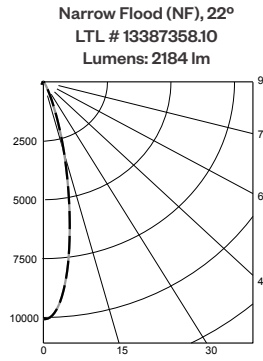
Candelas at Nadir

Deg	Candela
0	17007
5	12361
15	1539
25	645
35	278
45	132



Candelas at Nadir

Deg	Candela
0	14236
5	11093
15	2901
25	982
35	141
45	42



Candelas at Nadir

Deg	Candela
0	10741
5	9486
15	3263
25	546
35	119
45	55

Application Data

Notes and Definitions:

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

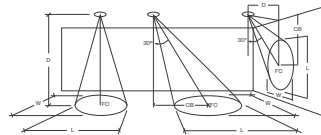
D=Distance to floor or wall.

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				
		D	FC	L	W	D	FC	L	W	CB	D	FC	L	W	CB	D	FC	L	W	CB
SPOT		5.0'	680	1.2	1.2	5.0'	438	1.5	1.3	3.0	3.0'	256	2.8	1.3	5.0	3.0'	922	1.2	1.1	2.0
		7.5'	303	1.8	1.8	7.5'	196	2.4	2.1	4.0	4.0'	153	3.4	1.6	6.0	4.0'	656	1.5	1.1	2.0
		10.0'	170	2.6	2.6	10.0'	109	3.3	2.9	6.0	5.0'	97	4.2	2.5	8.0	5.0'	425	1.7	1.4	3.0
		12.5'	110	3.1	3.1	12.5'	72	4.0	3.5	7.0	6.0'	68	5.1	2.8	9.0	6.0'	292	2.1	1.5	3.0
VERY NARROW FLOOD		D	FC	L	W	D	FC	L	W	CB	D	FC	L	W	CB	D	FC	L	W	CB
		5.0'	570	1.4	1.4	5.0'	368	2.0	1.6	3.0	3.0'	215	3.4	1.6	5.0	3.0'	802	1.6	1.2	2.0
		7.5'	254	2.2	2.2	7.5'	167	2.9	2.6	4.0	4.0'	133	4.1	2.1	6.0	4.0'	569	1.7	1.3	2.0
		10.0'	143	3.0	3.0	10.0'	91	4.0	3.4	6.0	5.0'	82	5.3	2.9	7.0	5.0'	358	2.1	1.6	3.0
NARROW FLOOD		12.5'	92	3.6	3.6	12.5'	61	4.7	4.0	7.0	6.0'	60	6.3	3.2	9.0	6.0'	254	2.4	1.9	3.0
		D	FC	L	W	D	FC	L	W	CB	D	FC	L	W	CB	D	FC	L	W	CB
		5.0'	431	1.9	1.9	5.0'	278	2.6	2.3	3.0	3.0'	202	3.3	1.9	4.0	3.0'	648	2.0	1.4	2.0
		7.5'	192	3.0	3.0	7.5'	130	3.6	3.3	4.0	4.0'	110	4.5	2.9	5.0	4.0'	456	2.0	1.6	2.0
		10.0'	108	3.9	3.9	10.0'	72	4.9	4.3	5.0	5.0'	72	5.5	3.4	7.0	5.0'	272	2.6	2.3	3.0
		12.5'	69	4.9	4.9	12.5'	47	6.2	5.5	7.0	6.0'	51	6.7	4.0	8.0	6.0'	204	3.0	2.7	3.0

SPEQ-M

Medium Cylinder Track Head



PROJECT:

TYPE:

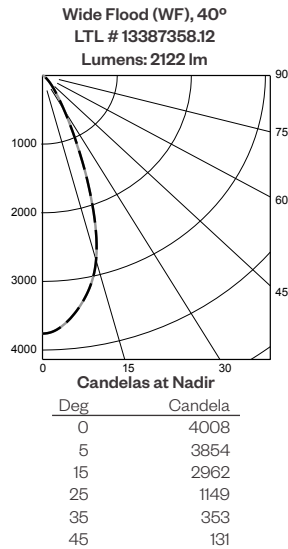
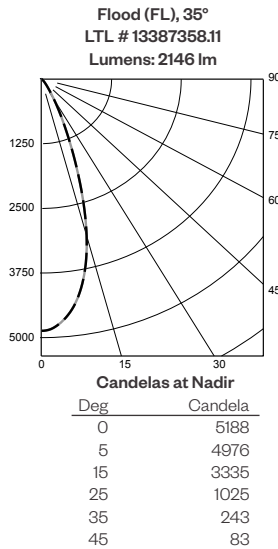
Performance Data

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

CCT:	2200K-90+	2700K-90+	3000K-90+	3500K-90+	4000K-90+	3CLA
Factor:	0.636	0.978	1.000	1.030	1.056	0.700

Wattage:	21W	26W	30W
Factor:	1.0	1.17	1.32

21W LED, 3000K-90+ (For SP, VNF & NF beam options see pg 5)



Application Data

Notes and Definitions:

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

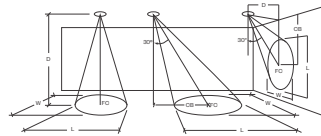
D=Distance to floor or wall.

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				
	D	FC	L	W		D	FC	L	W	CB	D	FC	L	W	CB	D	FC	L	W	CB
FLOOD	5.0'	208	3.0	3.0		5.0'	148	3.5	3.2	2.0	3.0'	132	3.3	2.7	3.0	3.0'	392	2.2	1.8	1.0
	7.5'	93	4.5	4.5		7.5'	66	5.2	4.9	3.0	4.0'	75	4.5	3.4	4.0	4.0'	230	2.9	2.7	2.0
	10.0'	52	5.9	5.9		10.0'	37	7.0	6.5	4.0	5.0'	48	5.6	4.4	5.0	5.0'	150	3.6	3.1	2.0
	12.5'	34	7.4	7.4		12.5'	25	8.8	8.1	5.0	6.0'	33	6.8	5.3	6.0	6.0'	102	4.3	4.0	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'	161	3.3	3.3		5.0'	117	3.8	3.5	2.0	3.0'	117	3.2	2.7	3.0	3.0'	323	2.3	2.0	1.0
	7.5'	71	5.0	5.0		7.5'	52	5.6	5.4	3.0	4.0'	66	4.3	3.6	4.0	4.0'	178	3.2	3.0	2.0
	10.0'	40	6.7	6.7		10.0'	30	7.6	7.4	4.0	5.0'	43	5.4	4.7	5.0	5.0'	118	3.9	3.5	2.0
	12.5'	26	8.4	8.4		12.5'	19	9.6	9.2	5.0	6.0'	30	6.6	5.5	6.0	6.0'	81	4.7	4.5	2.0



Delta Intelligent Building Technologies

SPEQ-M

Medium Cylinder Track Head



PROJECT:

TYPE:

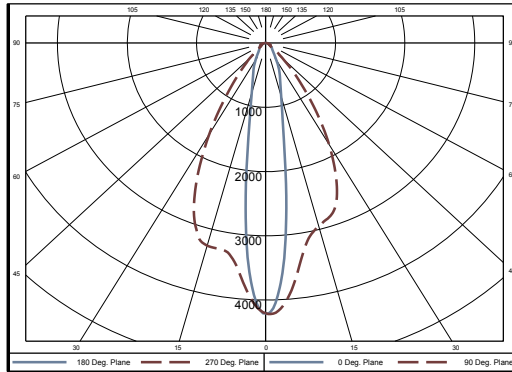
Performance Data

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

CCT:	2200K-90+	2700K-90+	3000K-90+	3500K-90+	4000K-90+	3CLA
Factor:	0.636	0.978	1.000	1.030	1.056	0.700

Wattage:	21W	26W	30W
Factor:	1.0	1.17	1.32

Linear Spread (LS), 54° x 16°
LTL # 13387358.13
Lumens: 1720 lm



ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-40	1423	82.7
0-60	1639	95.3
0-90	1720	100.0
90-180	0	0.0

Luminaire Efficacy = 81.9 lm/W

Application Data

10' Mounting Height

1	2	2	2	3	3	3	3	3	3	3	2	2	2	1
2	2	3	3	4	4	4	5	4	4	4	3	3	2	2
2	3	4	4	5	6	6	7	6	6	6	5	4	3	2
3	4	5	7	8	10	11	11	10	9	8	6	5	4	3
5	7	9	11	14	17	20	22	20	18	16	14	11	8	5
6	9	12	16	20	24	29	33	31	27	24	20	16	11	7
6	8	12	16	20	24	29	33	32	28	25	21	16	11	8
5	6	8	11	14	16	19	22	22	19	17	15	11	8	4
3	4	5	7	8	9	10	11	11	10	9	8	7	5	3
2	3	3	4	5	6	6	6	6	5	5	4	3	3	2
2	2	3	3	3	4	4	4	4	4	4	3	3	2	2
1	2	2	2	3	3	3	3	3	3	3	2	2	2	1

Footcandles on Floor



0° Aiming Angle
Horizontal
Footcandles

[- - -] = Approximate 50% visual beam

8' Mounting Height

1	1	2	2	2	3	3	3	3	3	3	2	2	2	1
1	2	2	3	3	4	4	4	4	4	4	3	2	2	1
2	2	3	4	5	6	7	7	7	6	5	4	3	2	2
2	3	4	6	8	10	12	13	12	11	9	7	5	4	2
3	5	8	11	16	20	25	27	25	22	19	14	9	6	3
4	6	11	17	24	31	39	45	43	37	30	23	14	9	5
4	6	10	16	23	30	38	45	45	39	32	24	16	9	5
3	4	7	10	14	19	23	27	27	24	20	16	11	7	4
2	3	4	6	7	9	11	12	12	11	10	8	6	4	3
2	2	3	4	4	5	6	7	7	6	5	5	4	3	2
1	2	2	3	3	4	4	4	4	4	4	3	3	2	1
1	1	2	2	2	3	3	3	3	3	3	2	2	2	1

6' Mounting Height

1	1	1	1	2	2	2	2	2	2	2	2	1	1	1
1	1	2	2	3	3	4	4	4	3	3	2	2	1	1
1	2	2	3	4	5	7	7	7	6	5	4	3	2	1
1	2	3	5	7	10	13	14	13	11	9	6	4	2	1
2	3	5	9	16	23	31	36	33	27	19	11	6	3	2
2	3	7	14	25	39	55	66	63	51	36	21	10	5	2
2	3	6	12	22	36	51	64	65	54	39	23	12	5	3
2	2	4	7	12	20	27	34	36	31	23	15	8	4	2
1	2	3	4	6	9	11	13	13	12	9	7	4	3	2
1	1	2	3	4	5	6	7	7	6	5	4	3	2	1
1	1	1	2	2	3	4	4	4	4	3	3	2	1	1
1	1	1	1	2	2	2	2	2	2	2	2	1	1	1



SPEQ-M

Medium Cylinder Track Head



PROJECT:

TYPE:

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:

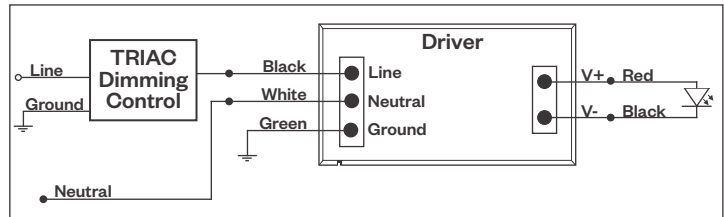
- 120VAC only
- Dims down to 5% light output (*most cases*)
- Consult Dimming manufacturer for installation instructions - **DO NOT SHARE NEUTRALS!**
- Must meet dimmer Minimum Load Requirements per dimming manufacturer

Compatible Dimmers*:

Wall Box (TRIAC 120VAC)

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

TRIAC Wiring Diagram



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

Compatible Dimmers*:

Wall Box (ELV 120VAC)

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

ELV Wiring Diagram

