

# SPEQ-M

## Medium Cylinder Track Head



### Features

Designed to let the interior design and not the lighting take center stage, the SPEQ track head from Amerlux balances clean, minimal aesthetic design with industry leading optical performance. The fixture has no visible heat sink or venting and has snoot perfectly matched to provide excellent glare control while maintaining the clean fixture lines. The integral driver is fully featured with low end dimming and full 2.5 KV surge protection (not a lamp driver!) Perfect for Galleries, Retail and Commercial interiors SPEQ uses high end optical designs to ensure your space is lit perfectly and efficiently.

### Product Overview

|               |   |
|---------------|---|
| Type:         | Track Accent & Display  |
| Wattage:      | 18W, 21W, 26W   |
| Lumen Output: | 2,516 (26W, Spot optic); 96.8 lm/W                            |
| OBOP:         | 19,790 (26W, Spot optic)                                      |
| Color Temp:   | 2700K, 3000K, 3500K, 4000K                                    |
| CRI:          | 83 typ. & 90+ typ.<br>CrispWhite & 3K Class A LED's available |
| Dimming:      | TRIAC & ELV (120V) - 5% Dim                                   |
| Weight:       | 2.5 lbs (without accessories)                                 |

### PROJECT:

### TYPE:

### Fixture Summary *(see following pages for more information)*

#### Performance Chart

| Nominal Watts | Delivered Lumens | LPW  | OBOP   | Color Temp |
|---------------|------------------|------|--------|------------|
| 18*           | 1,215            | 68.6 | 26,813 | 3000K-83   |
| 21            | 2029             | 96.6 | 15,960 | 3000K-83   |
| 26            | 2516             | 96.8 | 19,790 | 3000K-83   |

*Data is based on 3000K-83 IES files available on website.*

*Data is based on Spot optic, except for 18W. \*18W is VNSP only.*

*For other beam spreads performance see pages 5-7.*

#### Electrical Data

|      | 18W          |      | 21W          |      | 26W          |      |
|------|--------------|------|--------------|------|--------------|------|
|      | System Watts | Amps | System Watts | Amps | System Watts | Amps |
| 120V | 18           | 0.15 | 21.4         | 0.18 | 26           | 0.22 |
| 277V | N/A          | N/A  | 21.8         | 0.08 | 26           | 0.09 |

*Electronic constant current LED driver*



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## PROJECT:

## TYPE:

### Ordering Information

#### SPEQ-M-A17



- |   |   |
|---|---|
| <p><b>1</b> <u>Model</u><br/><b>SPEQ-M-A17†</b></p> <p><b>2</b> <u>Wattage</u><br/>18 (VNSP only)<br/>21<br/>26</p> <p><b>3</b> <u>Finish</u><br/>WT - white texture<br/>BT - black texture<br/>ST - silver texture<br/><i>Other finishes, consult factory</i></p> <p><b>4</b> <u>Mounting</u><br/>TN1 - Global GES 1cir/H-Style, 120V<br/>TEK - Global TEK 2cir/2neut, 120V<br/>TN3 - Global XTS 3cir, 120V<br/>TN2 - Global HTEK 2cir/2neut, 277V<br/>CT - J-Style, 120V<br/>LOL - L-Style 1cir, 120V<br/>B* - busway, 120V/277V<br/>C - canopy, 120V/277V<br/>CCL2-SCP - C-clamp, black, with straight cord**, 6', 120V<br/>CCL2-CCP - C-clamp, black, with coil cord**, 5', 120V<br/><b>Notes:</b> *Black busway adapter used for ST finish<br/>**Black cord used for BT &amp; ST finish<br/>White cord used for WT finish</p> <p><b>5</b> <u>Voltage</u><br/>120<br/>277 (not available for 18W) (not available with LE/TE dimming driver)</p> | <p><b>6</b> <u>Beam Spreads</u><br/>VNSP - very narrow spot 8° (18W only)<br/>SP - spot 14°<br/>VNF - very narrow flood 16°<br/>NF - narrow flood 22°<br/>FL - flood 35°<br/>WF - wide flood 40°<br/>LS - linear spread lens, 54° x 16° (reduces # of accessories by 1, if applicable)</p> <p><b>7</b> <u>Color Temp</u><br/>83 CRI:                      90+ CRI:<br/>27 - 2700K-83    229 - 2200K-90+    <b>CRISP</b> - CrispWhite<br/>30 - 3000K-83    279 - 2700K-90+    (not available for<br/>35 - 3500K-83    309 - 3000K-90+    VNSP)<br/>40 - 4000K-83    359 - 3500K-90+    <b>3CLA</b> - 3K Class A<br/>409 - 4000K-90+</p> <p><b>8</b> <u>Driver</u><br/><u>SPEQ-M 18W:</u><br/>LE/TE - TRIAC/ELV dimming 120V only<br/><br/><u>SPEQ-M 21W &amp; 26W:</u><br/>LE/TE - TRIAC/ELV dimming, 120V only<br/>ND - non-dimming, 277V only</p> <p><b>9</b> <u>Options/Accessories</u><br/>(standard front door accepts 2 accessories)<br/>SN - snoot (accepts 2 accessories or cross blade + 1 accessory)<br/>HEX - hexcell louver<br/>SOL - solite beam softening lens<br/>CB - cross blade (requires snoot)</p> |
|---|---|



**Note: See page 8 for Energy Star approved model numbers.**

† The "A" refers to the sequential revision in a year and "XX" refers to the year of update. Updates coincide with improved performance while not changing the overall fixture aesthetic and are reflected in the published performance data. Please contact your Amerlux representative for explanations of changes.

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## PROJECT:

## TYPE:

### Specifications

#### Application

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

#### Construction

Complete die-cast aluminum construction  
No exposed wiring  
Unique magnetic dual lock front door

#### Optical

Patented Amerlux designed TIR optical system.  
0-90° lockable tilt, 360° rotation  
Tilt indicating marks for common tilt positioning  
**Beam Spreads:** Very Narrow Spot 8°, Spot 14°  
Very Narrow Flood 16°, Narrow Flood 22°, Flood 35°  
Wide Flood 40°; Linear Spread Lens 54° x 16°

#### LED

##### Color Temp Options:

2200K, 2700K, 3000K, 3500K, 4000K

**CRI:** 83 typ. (2700K, 3000K, 3500K, 4000K)

90+ typ. (2200K, 2700K, 3000K, 3500K, 4000K)

CrispWhite\* and Class A\*\* 3000K LEDs available

**R9 Values:** 11 (83 CRI), 55 (90+ CRI)

**Binning:** 3 MacAdam (SDCM)

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

*\*CrispWhite: CrispWhite Technology delivers the warmth of colors expected from a high 90 CRI solution but also creates the natural crisp white color similar to CMH sources. It creates impactful lighting by revealing the richest whites and vibrant colors that pop.*

*\*\*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:** 18, 21, 26

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 less than 5% on most dimming system. 120V only

**ND** - non-dimming, 277V only (21W & 26W only)

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, c-clamp and busway.

**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

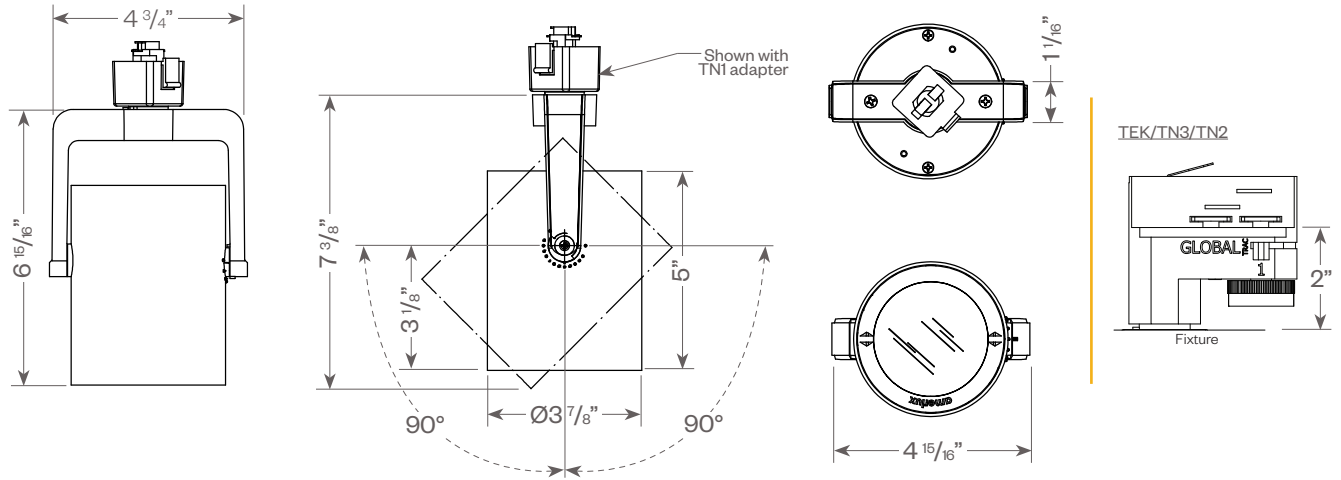
# SPEQ-M

Medium Cylinder Track Head

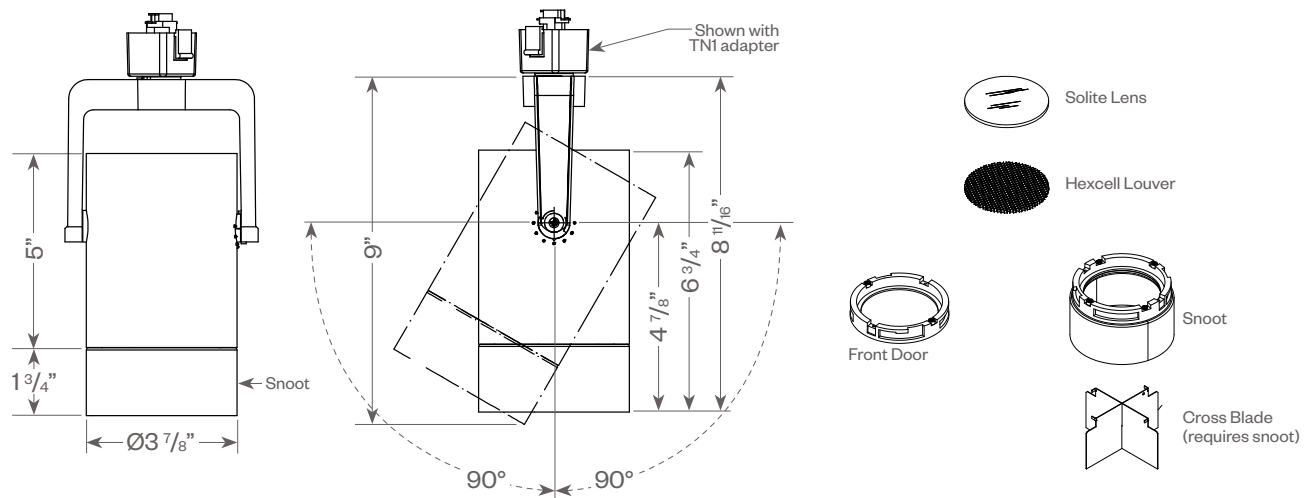
PROJECT:

TYPE:

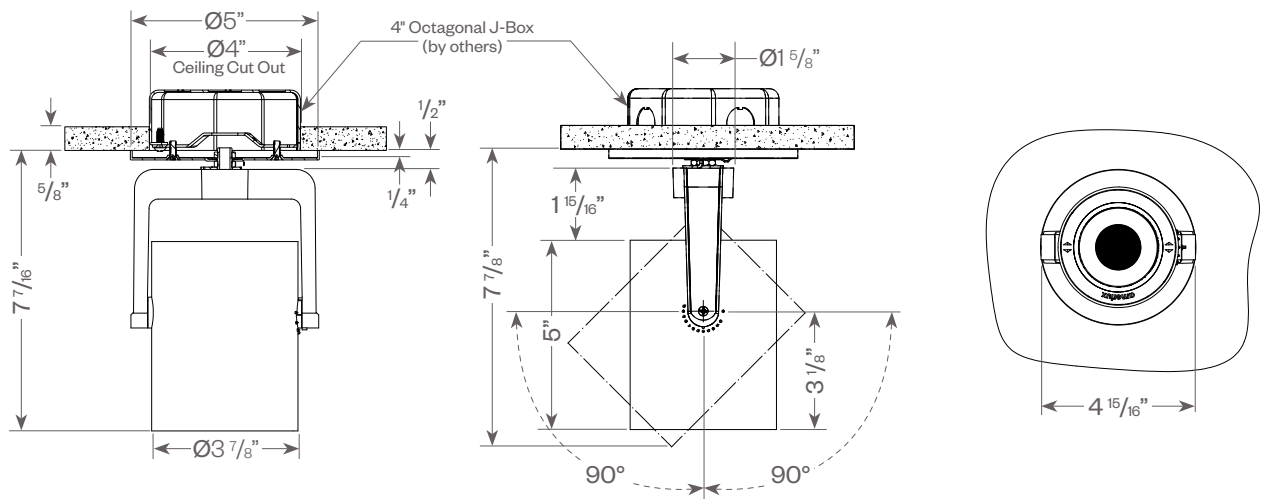
## SPEQ-M



## SPEQ-M SNOOT & ACCESSORIES



## SPEQ-M CANOPY MOUNT



# SPEQ-M

Medium Cylinder Track Head



## PROJECT:

## TYPE:

**FIXTURE DATA:** (Complete photometric data (.ies format) available upon request)

**MULTIPLYING FACTORS:** (Multiplying Factor is based on 3000K-83 120V IES file on website)

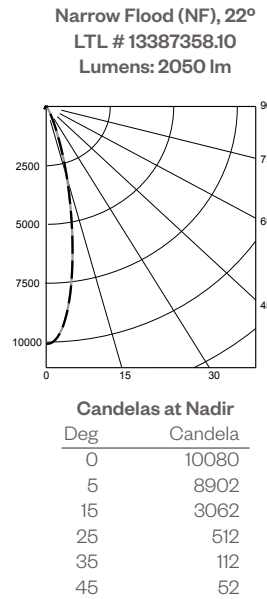
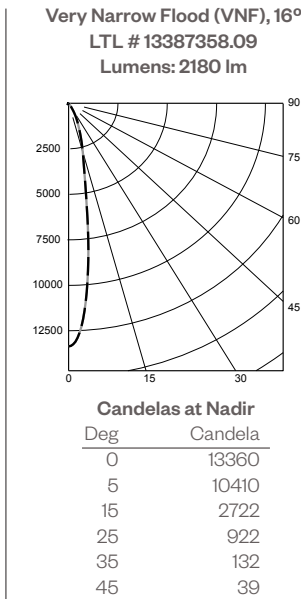
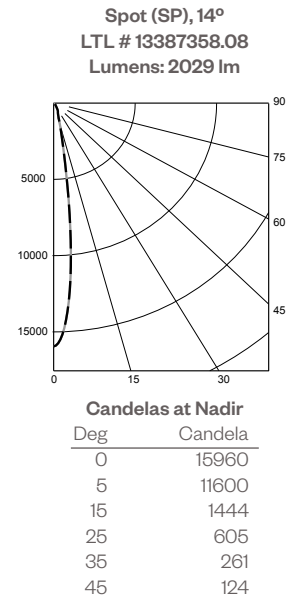
| Wattage: | 21W | 26W  |
|----------|-----|------|
| Factor:  | 1.0 | 1.24 |

| CCT:    | 2700K-83 | 3000K-83 | 3500K-83 | 4000K-83 |
|---------|----------|----------|----------|----------|
| Factor: | 0.96     | 1.0      | 1.02     | 1.04     |

| CCT:    | 2200K-90+* | 2700K-90+ | 3000K-90+ | 3500K-90+ | 4000K-90+ | CRISP* | 3CLA |
|---------|------------|-----------|-----------|-----------|-----------|--------|------|
| Factor: | 0.71       | 0.80      | 0.83      | 0.87      | 0.90      | 0.65   | 0.75 |

\* Not available for use with 18W

**21W LED, 3000K (For FL & WF beam options see pg 6; For VNSP (18W only) beam option see pg 6)**



## APPLICATION DATA:

### Notes and Definitions:

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

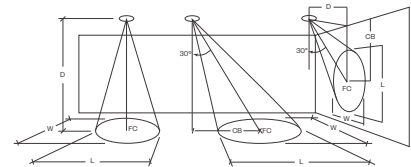
D=Distance to floor or wall.

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<br>Horizontal<br>Footcandles |     |     |     | 30° Aiming Angle<br>Horizontal<br>Footcandles |     |     |     |     | 30° Aiming Angle<br>Vertical<br>Footcandles |     |     |     |     | 60° Aiming Angle<br>Vertical<br>Footcandles |     |     |     |     |
|-------------------|--|-----|-----|-----|---|-----|-----|-----|-----|---|-----|-----|-----|-----|---|-----|-----|-----|-----|
|                   | D  | FC  | L   | W   | D   | FC  | L   | W   | CB  | D   | FC  | L   | W   | CB  | D   | FC  | L   | W   | CB  |
| SPOT              | 5.0'   | 638 | 1.2 | 1.2 | 5.0'  | 411 | 1.5 | 1.3 | 3.0 | 3.0'  | 240 | 2.8 | 1.3 | 5.0 | 3.0'  | 865 | 1.2 | 1.1 | 2.0 |
|                   | 7.5'   | 284 | 1.8 | 1.8 | 7.5'  | 184 | 2.4 | 2.1 | 4.0 | 4.0'  | 144 | 3.4 | 1.6 | 6.0 | 4.0'  | 616 | 1.5 | 1.1 | 2.0 |
|                   | 10.0'  | 160 | 2.6 | 2.6 | 10.0'   | 102 | 3.3 | 2.9 | 6.0 | 5.0'  | 91  | 4.2 | 2.5 | 8.0 | 5.0'  | 399 | 1.7 | 1.4 | 3.0 |
|                   | 12.5'  | 103 | 3.1 | 3.1 | 12.5'   | 68  | 4.0 | 3.5 | 7.0 | 6.0'  | 64  | 5.1 | 2.8 | 9.0 | 6.0'  | 274 | 2.1 | 1.5 | 3.0 |
| VERY NARROW FLOOD | 5.0'   | 535 | 1.4 | 1.4 | 5.0'  | 345 | 2.0 | 1.6 | 3.0 | 3.0'  | 202 | 3.4 | 1.6 | 5.0 | 3.0'  | 753 | 1.6 | 1.2 | 2.0 |
|                   | 7.5'   | 238 | 2.2 | 2.2 | 7.5'  | 157 | 2.9 | 2.6 | 4.0 | 4.0'  | 125 | 4.1 | 2.1 | 6.0 | 4.0'  | 534 | 1.7 | 1.3 | 2.0 |
|                   | 10.0'  | 134 | 3.0 | 3.0 | 10.0'   | 85  | 4.0 | 3.4 | 6.0 | 5.0'  | 77  | 5.3 | 2.9 | 7.0 | 5.0'  | 336 | 2.1 | 1.6 | 3.0 |
|                   | 12.5'  | 86  | 3.6 | 3.6 | 12.5'   | 57  | 4.7 | 4.0 | 7.0 | 6.0'  | 56  | 6.3 | 3.2 | 9.0 | 6.0'  | 238 | 2.4 | 1.9 | 3.0 |
| NARROW FLOOD      | 5.0'   | 404 | 1.9 | 1.9 | 5.0'  | 261 | 2.6 | 2.3 | 3.0 | 3.0'  | 190 | 3.3 | 1.9 | 4.0 | 3.0'  | 608 | 2.0 | 1.4 | 2.0 |
|                   | 7.5'   | 180 | 3.0 | 3.0 | 7.5'  | 122 | 3.6 | 3.3 | 4.0 | 4.0'  | 103 | 4.5 | 2.9 | 5.0 | 4.0'  | 428 | 2.0 | 1.6 | 2.0 |
|                   | 10.0'  | 101 | 3.9 | 3.9 | 10.0'   | 68  | 4.9 | 4.3 | 5.0 | 5.0'  | 68  | 5.5 | 3.4 | 7.0 | 5.0'  | 255 | 2.6 | 2.3 | 3.0 |
|                   | 12.5'  | 65  | 4.9 | 4.9 | 12.5'   | 44  | 6.2 | 5.5 | 7.0 | 6.0'  | 48  | 6.7 | 4.0 | 8.0 | 6.0'  | 191 | 3.0 | 2.7 | 3.0 |

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**PROJECT:**

**TYPE:**

**FIXTURE DATA:** (Complete photometric data (.ies format) available upon request)

**MULTIPLYING FACTORS:** (Multiplying Factor is based on 3000K-83 120V IES file on website)

| Wattage: | 21W | 26W  |
|----------|-----|------|
| Factor:  | 1.0 | 1.24 |

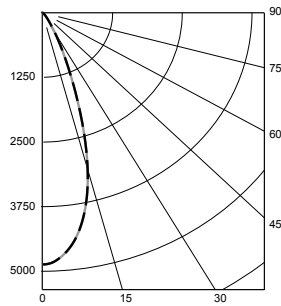
| CCT:    | 2700K-83 | 3000K-83 | 3500K-83 | 4000K-83 |
|---------|----------|----------|----------|----------|
| Factor: | 0.96     | 1.0      | 1.02     | 1.04     |

| CCT:    | 2200K-90+* | 2700K-90+ | 3000K-90+ | 3500K-90+ | 4000K-90+ | CRISP* | 3CLA |
|---------|------------|-----------|-----------|-----------|-----------|--------|------|
| Factor: | 0.71       | 0.80      | 0.83      | 0.87      | 0.90      | 0.65   | 0.75 |

\* Not available for use with 18W

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

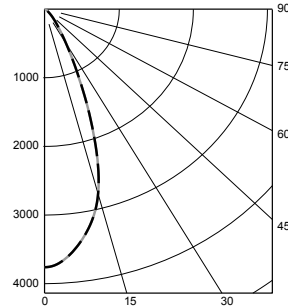
**Flood (FL), 35°**  
LTL # 13387358.11  
Lumens: 2014 lm



**Candelas at Nadir**

| Deg | Candela |
|-----|---------|
| 0   | 4869    |
| 5   | 4670    |
| 15  | 3130    |
| 25  | 962     |
| 35  | 228     |
| 45  | 78      |

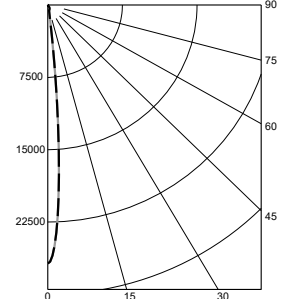
**Wide Flood (WF), 40°**  
LTL # 13387358.12  
Lumens: 1991 lm



**Candelas at Nadir**

| Deg | Candela |
|-----|---------|
| 0   | 3761    |
| 5   | 3617    |
| 15  | 2780    |
| 25  | 1078    |
| 35  | 331     |
| 45  | 123     |

**~ ~18W ONLY ~ ~**  
**Very Narrow Spot (VNSP), 8°**  
LTL # 11756217.13  
Lumens: 1,215 lm



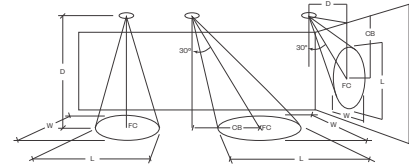
**Candelas at Nadir**

| Deg | Candela |
|-----|---------|
| 0   | 26810   |
| 5   | 10210   |
| 15  | 536     |
| 25  | 406     |
| 35  | 152     |
| 45  | 64      |

**APPLICATION DATA:**

**Notes and Definitions:**

- Beam spread is to 50% center beam candlepower (CBOP).
- 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'                                   | 195  | 3.0 | 3.0 | 5.0'                                    | 139 | 3.5 | 3.2 | 2.0 | 3.0'                                  | 124 | 3.3 | 2.7 | 3.0  | 3.0'                                  | 368  | 2.2 | 1.8 | 1.0 |
|                           | 7.5'                                   | 87   | 4.5 | 4.5 | 7.5'                                    | 62  | 5.2 | 4.9 | 3.0 | 4.0'                                  | 70  | 4.5 | 3.4 | 4.0  | 4.0'                                  | 216  | 2.9 | 2.7 | 2.0 |
|                           | 10.0'                                  | 49   | 5.9 | 5.9 | 10.0'                                   | 35  | 7.0 | 6.5 | 4.0 | 5.0'                                  | 45  | 5.6 | 4.4 | 5.0  | 5.0'                                  | 141  | 3.6 | 3.1 | 2.0 |
|                           | 12.5'                                  | 32   | 7.4 | 7.4 | 12.5'                                   | 23  | 8.8 | 8.1 | 5.0 | 6.0'                                  | 31  | 6.8 | 5.3 | 6.0  | 6.0'                                  | 96   | 4.3 | 4.0 | 3.0 |
| WIDE FLOOD                | 5.0'                                   | 151  | 3.3 | 3.3 | 5.0'                                    | 110 | 3.8 | 3.5 | 2.0 | 3.0'                                  | 110 | 3.2 | 2.7 | 3.0  | 3.0'                                  | 303  | 2.3 | 2.0 | 1.0 |
|                           | 7.5'                                   | 67   | 5.0 | 5.0 | 7.5'                                    | 49  | 5.6 | 5.4 | 3.0 | 4.0'                                  | 62  | 4.3 | 3.6 | 4.0  | 4.0'                                  | 167  | 3.2 | 3.0 | 2.0 |
|                           | 10.0'                                  | 38   | 6.7 | 6.7 | 10.0'                                   | 28  | 7.6 | 7.4 | 4.0 | 5.0'                                  | 40  | 5.4 | 4.7 | 5.0  | 5.0'                                  | 111  | 3.9 | 3.5 | 2.0 |
|                           | 12.5'                                  | 24   | 8.4 | 8.4 | 12.5'                                   | 18  | 9.6 | 9.2 | 5.0 | 6.0'                                  | 28  | 6.6 | 5.5 | 6.0  | 6.0'                                  | 76   | 4.7 | 4.5 | 2.0 |
| 18W ONLY VERY NARROW SPOT | 5.0'                                   | 1065 | 1.0 | 1.0 | 5.0'                                    | 764 | 1.0 | 1.0 | 3.0 | 3.0'                                  | 437 | 1.5 | 1.0 | 5.0  | 3.0'                                  | 1155 | 1.0 | 1.0 | 2.0 |
|                           | 7.5'                                   | 475  | 1.1 | 1.1 | 7.5'                                    | 289 | 1.8 | 1.3 | 4.0 | 4.0'                                  | 220 | 2.4 | 1.1 | 7.0  | 4.0'                                  | 856  | 1.1 | 1.0 | 2.0 |
|                           | 10.0'                                  | 267  | 1.4 | 1.4 | 10.0'                                   | 177 | 2.1 | 1.6 | 6.0 | 5.0'                                  | 149 | 2.7 | 1.2 | 8.0  | 5.0'                                  | 729  | 1.0 | 1.0 | 3.0 |
|                           | 12.5'                                  | 171  | 1.8 | 1.8 | 12.5'                                   | 116 | 2.4 | 2.2 | 7.0 | 6.0'                                  | 104 | 3.3 | 1.6 | 10.0 | 6.0'                                  | 372  | 1.8 | 1.1 | 3.0 |

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## TYPE:

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**MULTIPLYING FACTORS:** (Multiplying Factor is based on 3000K-83 120V IES file on website)

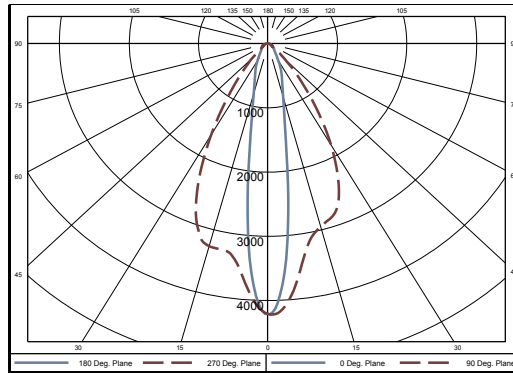
| Wattage: | 21W | 26W  |
|----------|-----|------|
| Factor:  | 1.0 | 1.24 |

| CCT:    | 2700K-83 | 3000K-83 | 3500K-83 | 4000K-83 |
|---------|----------|----------|----------|----------|
| Factor: | 0.96     | 1.0      | 1.02     | 1.04     |

| CCT:    | 2200K-90+* | 2700K-90+ | 3000K-90+ | 3500K-90+ | 4000K-90+ | CRISP* | 3CLA |
|---------|------------|-----------|-----------|-----------|-----------|--------|------|
| Factor: | 0.71       | 0.80      | 0.83      | 0.87      | 0.90      | 0.65   | 0.75 |

\* Not available for use with 18W

Linear Spread (LS), 54° x 16°  
LTL # 13387358.13  
Lumens: 1614 lm



### ZONAL LUMEN SUMMARY

| Zone   | Lumens | %Fixt |
|--------|--------|-------|
| 0-40   | 1335   | 82.7  |
| 0-60   | 1538   | 95.3  |
| 0-90   | 1614   | 100.0 |
| 90-180 | 0      | 0.0   |

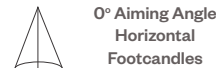
Luminaire Efficacy = 77.9 lm/W

## APPLICATION DATA:

### 10' mounting height

|   |   |    |    |    |    |    |    |    |    |    |    |    |    |   |   |
|---|---|----|----|----|----|----|----|----|----|----|----|----|----|---|---|
| 1 | 2 | 2  | 2  | 2  | 3  | 3  | 3  | 3  | 3  | 3  | 2  | 2  | 2  | 2 | 1 |
| 2 | 2 | 3  | 3  | 3  | 4  | 4  | 4  | 4  | 4  | 4  | 3  | 3  | 2  | 2 | 2 |
| 2 | 3 | 3  | 4  | 5  | 5  | 6  | 6  | 6  | 6  | 5  | 5  | 4  | 3  | 3 | 2 |
| 3 | 4 | 5  | 6  | 8  | 9  | 10 | 11 | 10 | 9  | 7  | 6  | 5  | 3  | 3 | 3 |
| 5 | 6 | 8  | 11 | 13 | 16 | 19 | 20 | 19 | 17 | 15 | 13 | 10 | 7  | 5 | 4 |
| 6 | 8 | 12 | 15 | 19 | 23 | 27 | 31 | 29 | 26 | 23 | 19 | 15 | 10 | 7 | 5 |
| 6 | 8 | 11 | 15 | 19 | 22 | 27 | 31 | 30 | 27 | 23 | 20 | 15 | 11 | 7 | 5 |
| 5 | 6 | 8  | 10 | 13 | 15 | 18 | 20 | 20 | 18 | 16 | 14 | 11 | 8  | 6 | 4 |
| 3 | 4 | 5  | 6  | 8  | 9  | 10 | 11 | 10 | 9  | 8  | 6  | 5  | 4  | 3 | 3 |
| 2 | 3 | 3  | 4  | 5  | 5  | 6  | 6  | 6  | 5  | 4  | 4  | 3  | 3  | 2 | 2 |
| 2 | 2 | 2  | 3  | 3  | 4  | 4  | 4  | 4  | 4  | 4  | 3  | 3  | 2  | 2 | 2 |
| 1 | 2 | 2  | 2  | 2  | 3  | 3  | 3  | 3  | 3  | 2  | 2  | 2  | 2  | 2 | 1 |

### Footcandles on Floor



[ - - - ] = Approximate 50% visual beam

### 8' mounting height

|   |   |    |    |    |    |    |    |    |    |    |    |    |   |   |   |
|---|---|----|----|----|----|----|----|----|----|----|----|----|---|---|---|
| 1 | 1 | 2  | 2  | 2  | 2  | 3  | 3  | 3  | 3  | 2  | 2  | 2  | 2 | 1 | 1 |
| 1 | 2 | 2  | 3  | 3  | 4  | 4  | 4  | 4  | 4  | 3  | 3  | 2  | 2 | 1 | 1 |
| 2 | 2 | 3  | 4  | 5  | 5  | 6  | 7  | 6  | 6  | 5  | 4  | 3  | 3 | 2 | 1 |
| 2 | 3 | 4  | 6  | 8  | 9  | 11 | 12 | 11 | 10 | 9  | 7  | 5  | 4 | 2 | 2 |
| 3 | 5 | 7  | 11 | 15 | 19 | 23 | 25 | 24 | 21 | 17 | 13 | 9  | 5 | 3 | 3 |
| 4 | 6 | 10 | 16 | 22 | 29 | 37 | 42 | 40 | 34 | 28 | 21 | 14 | 8 | 5 | 3 |
| 4 | 6 | 9  | 15 | 21 | 28 | 35 | 42 | 42 | 36 | 30 | 22 | 15 | 9 | 5 | 3 |
| 3 | 4 | 6  | 9  | 13 | 18 | 21 | 25 | 25 | 22 | 19 | 15 | 10 | 6 | 4 | 2 |
| 2 | 3 | 4  | 5  | 7  | 9  | 10 | 11 | 11 | 10 | 9  | 7  | 5  | 4 | 3 | 2 |
| 2 | 2 | 3  | 3  | 4  | 5  | 6  | 6  | 6  | 5  | 4  | 3  | 3  | 2 | 1 | 1 |
| 1 | 2 | 2  | 2  | 3  | 3  | 4  | 4  | 4  | 4  | 3  | 3  | 2  | 2 | 2 | 1 |
| 1 | 1 | 2  | 2  | 2  | 2  | 3  | 3  | 3  | 3  | 2  | 2  | 2  | 2 | 1 | 1 |

### 6' mounting height

|   |   |   |    |    |    |    |    |    |    |    |    |    |   |   |   |
|---|---|---|----|----|----|----|----|----|----|----|----|----|---|---|---|
| 1 | 1 | 1 | 1  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 1  | 1  | 1 | 1 | 1 |
| 1 | 1 | 2 | 2  | 3  | 3  | 4  | 4  | 4  | 3  | 3  | 2  | 2  | 1 | 1 | 1 |
| 1 | 1 | 2 | 3  | 4  | 5  | 6  | 7  | 6  | 5  | 4  | 3  | 2  | 2 | 1 | 1 |
| 1 | 2 | 3 | 4  | 7  | 9  | 12 | 13 | 12 | 11 | 8  | 6  | 4  | 2 | 1 | 1 |
| 1 | 3 | 5 | 9  | 15 | 22 | 30 | 34 | 31 | 25 | 18 | 11 | 6  | 3 | 2 | 1 |
| 2 | 3 | 6 | 13 | 23 | 36 | 51 | 62 | 59 | 48 | 38 | 19 | 10 | 5 | 2 | 1 |
| 2 | 3 | 6 | 11 | 21 | 34 | 48 | 60 | 61 | 51 | 37 | 22 | 11 | 5 | 2 | 1 |
| 1 | 2 | 4 | 7  | 12 | 18 | 26 | 32 | 33 | 29 | 22 | 14 | 8  | 4 | 2 | 1 |
| 1 | 2 | 3 | 4  | 6  | 8  | 11 | 12 | 12 | 11 | 9  | 6  | 4  | 3 | 2 | 1 |
| 1 | 1 | 2 | 3  | 4  | 5  | 6  | 6  | 6  | 5  | 4  | 3  | 2  | 1 | 1 | 1 |
| 1 | 1 | 1 | 2  | 2  | 3  | 3  | 4  | 4  | 3  | 3  | 2  | 2  | 1 | 1 | 1 |
| 1 | 1 | 1 | 1  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 1  | 1  | 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" incandescent dimmers that are in wide use in installations across the US. .

#### Notes:

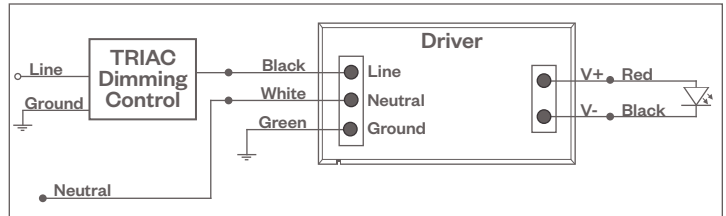
- 120VAC
- Dims down to less than 5% light output (most cases)
- Consult Dimming manufacturer for installation instructions - DO NOT SHARE NEUTRALS!
- Must meet dimmer Minimum Load Requirements per dimming manufacturer

#### Compatible Dimmers:

##### Wall Box (Incandescent Style, Wattage as required)

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

#### TRIAC Wiring Diagram



### ELV - Electronic Low Voltage (Reverse Phase) DIMMING (Standard)

Utilizes specialized "ELV" dimmers.

#### Notes:

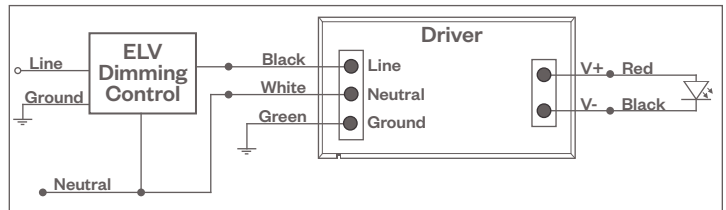
- 120VAC
- Dims down to less than 5% light output (most cases)
- Consult Dimming manufacturer for installation instructions - DO NOT SHARE NEUTRALS!
- Must meet dimmer Minimum Load Requirements per dimming manufacturer

#### Compatible Dimmers:

##### Wall Box (ELV Style)

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

#### ELV Wiring Diagram





PROJECT:

TYPE:

ENERGY STAR APPROVED MODEL NUMBERS:



## Certificate of Conformance

### Energy Efficiency Certification

UL conducted an independent evaluation on behalf of:

**Amerlux Global Lighting Solutions**  
178 Bauer Dr., Oakland, NJ 07436

for the following products: This product meets all of the necessary qualifications pursuant to:

**Directional Luminaires**

Brand: Amerlux ENERGY STAR®: Program Requirements For Luminaires, Version 2.0

Model: See Appendix A



2018-02-05  
Certification Date

N/A  
Certification Revision Date

*David P. [Signature]*  
Issued by

11948772

UL Product Number

00-VS-F0419, Version 6.0. This is to certify that representative samples of the Certified Product(s) listed above have been investigated by UL to the Standard(s) indicated on this certificate, in accordance with the UL Global Services Agreement and the EEC Terms & Conditions ("Agreement"). The Certificate Holder is entitled to use the UL Energy Verified Mark for the Certified Product(s) listed on the certificate and manufactured at the production site(s) covered by the UL Test Report, in accordance with the terms of the Agreement. This Certificate shall remain valid unless a Standard Identified on this Certificate is amended or withdrawn prior to that date or there is a non-compliance with the Agreement.

Appendix A

| Model Name | Model Number                           | Family Model(s) - Additional Model Number |
|------------|--|---|
| SPEQ-M     | SPEQ-M-A17-26-**-***-120-***-309-LE/TE | SPEQ-M-A17-26-**-***-120-***-359-LE/TE    |
|            |  | SPEQ-M-A17-26-**-***-120-***-409-LE/TE    |
|            |  | SPEQ-M-A17-26-**-***-120-***-27-LE/TE     |
|            |  | SPEQ-M-A17-26-**-***-120-***-30-LE/TE     |
|            |  | SPEQ-M-A17-26-**-***-120-***-35-LE/TE     |
|            |  | SPEQ-M-A17-26-**-***-120-***-40-LE/TE     |
|            |  | SPEQ-M-A17-26-**-***-120-***-CRISP-LE/TE  |
| SPEQ-M     | SPEQ-M-A17-21-**-***-120-***-309-LE/TE | SPEQ-M-A17-21-**-***-120-***-359-LE/TE    |
|            |  | SPEQ-M-A17-21-**-***-120-***-409-LE/TE    |
|            |  | SPEQ-M-A17-21-**-***-120-***-27-LE/TE     |
|            |  | SPEQ-M-A17-21-**-***-120-***-30-LE/TE     |
|            |  | SPEQ-M-A17-21-**-***-120-***-35-LE/TE     |
|            |  | SPEQ-M-A17-21-**-***-120-***-40-LE/TE     |
|            |  | SPEQ-M-A17-21-**-***-120-***-359-LE/TE    |