

# CYLINDRIX® III VERTICAL

## LED TRACK HEAD

C3TV-A14  
LED

### APPLICATION:

Retail, supermarket and commercial accent & display lighting

### CONSTRUCTION:

Die-cast aluminum heat sink and optic housing  
Powder coat paint, custom colors available, consult factory  
Passive cooling

### ELECTRICAL:

Electronic constant current LED driver  
120v or 277v input  
ELV and Triac dimming standard, 120v or 277v.

**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 damage is not covered by warranty.**

### MOUNTING:

Track, canopy, c-clamp and busway  
**Note: Ceiling mounted track only**

### OPTICS:

LED cluster

Color Temp Options: 2700K, 3000K, 3500K, 4000K  
CRI: 83 typ. (2700K, 3000K, 3500K, 4000K)  
90+ typ. (2700K, 3000K)

CrispWhite LED available

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

Life: 50,000 hrs

Lumen Maintenance: >70% of initial lumens @ 50,000 hrs

Lumen Output (31w): NSP 2,426; SP 2,345; FL 2,227;  
WF 2,264

CBCP (31w): NSP 34,180; SP 18,677; FL 8,683; WF 4,223

LPW: Up to 79 lpw

0-90° tilt, 360° rotation

Beam options: Narrow Spot 10°, Spot 15°, Flood 25°,  
Wide Flood 40°

Field interchangeable spun aluminum reflectors

### LABELING:

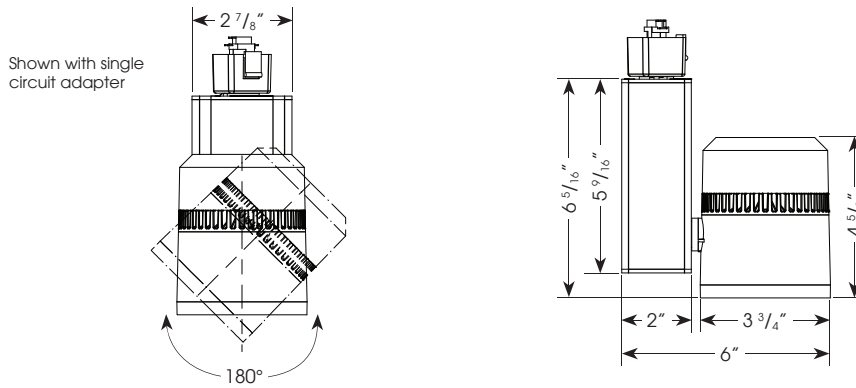


For indoor use only



PROJECT:

TYPE:

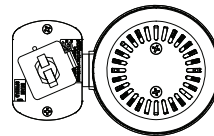


Shown with single circuit adapter

### ELECTRICAL

Electronic driver

|      | 16w          |      | 19w          |      | 23w          |      | 27w          |      | 31w          |      |
|------|--------------|------|--------------|------|--------------|------|--------------|------|--------------|------|
|      | System Watts | Amps | System Watts | Amps | System Watts | Amps | System Watts | Amps | System Watts | Amps |
| 120v | 16           | 0.13 | 19           | 0.16 | 23           | 0.19 | 27           | 0.23 | 31           | 0.26 |
| 277v | 16           | 0.06 | 19           | 0.07 | 23           | 0.08 | 27           | 0.10 | 31           | 0.11 |



(see next page for details)



(see page 4)

**5** year limited warranty  
AMERLUX LED

(see website for details)

### ORDERING INFORMATION:

| Model    | Wattage | Lamp Type | Finish              | Mounting   | Voltage | Beam Spread            | Color Temp (CCT-CRI) | Options/Accessories   |
|----------|---------|-----------|---------------------|--|---------|------------------------|----------------------|---|
| C3TV-A14 | 16      | LED       | WT - white          | TN1 - Global GES 1cir/H-Style, 120v  | 120     | NSP - narrow spot, 10° | 27 - 2700K-83        | SL - linear spread lens, requires snoot                             |
|          | 19      |           | texture             | TEK - Global TEK 2cir/2neut, 120v  | 277     | SP - spot, 15°         | 30 - 3000K-83        |   |
|          | 23      |           | BT - black          | TN3 - Global XTS 3cir, 120v  |         | FL - flood, 25°        | 35 - 3500K-83        | CL - clear glass lens   |
|          | 27      |           | texture             | TN2 - Global HTEK 2cir/2neut, 277v   |         | WF - wide flood, 40°   | 40 - 4000K-83        | SOL - solite beam softening lens                                    |
|          | 31      |           | ST - silver texture | CT - J-Style   |         |                        | 279 - 2700K-90+      | SN - snoot, 3/4" deep (required when more than 1 accessory is used) |
|          |         |           | — (other RAL)       | LOL - L-Style  |         |                        | 309 - 3000K-90+      | HEX - hexcell louver  |
|          |         |           |                     | CPR - Capri adapter  |         |                        | 359 - 3500K-90+      | CB - cross blade, requires snoot                                    |
|          |         |           |                     | LLAB - Litalab Bus Run, 120v   |         |                        | 409 - 4000K-90+      |   |
|          |         |           |                     | B - busway (compact series B40,B60c only, consult factory for other busway adapters) |         |                        | CRISP - CrispWhite   |   |
|          |         |           |                     | C - canopy   |         |                        | 3CLA - 3K Class A    |   |
|          |         |           |                     | CCL2 - C-clamp with SCP - straight cord, 6' CCP - coil cord, 5'                      |         |                        |                      |   |

Example: C3TV-A14-31-LED-WT-TN3-120-FL-30

Cat #:

Amerlux reserves the right to change details that do not affect overall function and performance.



# QUICKSHIP CYLINDRIX® III VERTICAL

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Amerlux® QuickShip makes it possible not only to keep up with expectations, but to keep ahead of them. We help enhance your competitive edge, ensuring you can start installation more quickly than you thought possible.

We can ship within 5-10 business days of your Amerlux QuickShip order, depending upon the selection.

- QuickShip must be clearly marked on all P.O.'s.
- Must note on P.O. if requesting frames ship first.
- Standard shipping terms apply.
- See terms & conditions below.

**Quantity:** 250 pieces or less  
5 days



PROJECT:

TYPE:

## QUICKSHIP ORDERING INFORMATION:

| Model    | Wattage                    | Lamp Type | Finish                                   | Mounting   | Voltage | Beam Spread   | Color Temp (CCT-CRI)             | Options/ Accessories |
|----------|----------------------------|-----------|--|--|---------|---|----------------------------------|----------------------|
| C3TV-A14 | 16<br>19<br>23<br>27<br>31 | LED       | WT - white texture<br>BT - black texture | TN1 - Global GES 1cir/<br>H-style, 120v<br>CT - J-style<br>LOL - L-style | 120     | SP - spot, 15°<br>FL - flood, 25°<br>WF - wide flood, 40° | 30 - 3000K-83<br>309 - 3000K-90+ | N/A                  |

Complete **QuickShip** Example: C3TV-A14-16-LED-WT-TN1-120-SP-30

Cat #:

## Terms & Conditions

1. For QuickShip processing, please submit QuickShip items on separate purchase order and indicate "QuickShip" on order.
2. Configurations outside of what is displayed on the QuickShip program are not available under the QuickShip lead times.
3. Please contact Customer Support to process orders with quantities larger than those listed.
4. Orders will be entered within 24 hours of receipt of a clean purchase order. Lead times are calculated by business days from time of sales order confirmation. Orders will ship within QuickShip lead times or sooner.
5. Change orders and order cancellations cannot be processed after sales order confirmation is generated.
6. For freight allowed (greater than \$3,000), order will ship complete based on longest lead time item. Please indicate on PO if Partial Shipments are approved and indicate freight method. For partial shipments under \$3,000, customer will be invoiced for freight.
7. All Lead times indicate when the fixture ships from Amerlux®. Arrival at destination is contingent upon carrier.

**Expedite your orders by providing:**

- Separate purchase order noting "QuickShip Program"
- Complete and accurate configurations
- Accurate pricing, quote number, shipping and contact information

**Amerlux reserves the right to modify this program at any time.**

# CYLINDRIX® III VERTICAL

LED TRACK HEAD

C3TV-A14  
LED



TYPE:

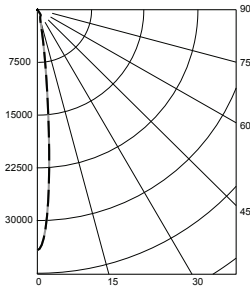


**FIXTURE DATA:** Multiplying Factors: 0.52 for 16w; 0.61 for 19w; 0.74 for 23w; 0.87 for 27w

Complete photometric data (ies format) available upon request.

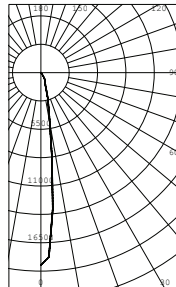
## 31W LED

Narrow Spot Distribution  
LTL # 11906314.01A  
Lumens: 2,426



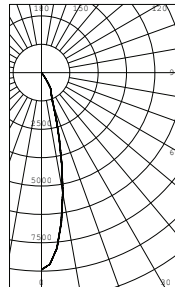
| Candelas at Nadir |         |
|-------------------|---------|
| Deg               | Candela |
| 0                 | 34180   |
| 5                 | 17580   |
| 15                | 1541    |
| 25                | 979     |
| 35                | 195     |
| 45                | 18      |

Spot Distribution  
LTL # 851724  
Lumens: 2,345



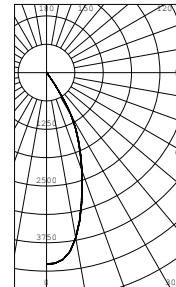
| Candelas at Nadir |         |
|-------------------|---------|
| Deg               | Candela |
| 0                 | 18677   |
| 5                 | 13251   |
| 15                | 2560    |
| 25                | 952     |
| 35                | 228     |
| 45                | 12      |

Flood Distribution  
LTL # 851725  
Lumens: 2,227



| Candelas at Nadir |         |
|-------------------|---------|
| Deg               | Candela |
| 0                 | 8683    |
| 5                 | 7773    |
| 15                | 3031    |
| 25                | 1009    |
| 35                | 253     |
| 45                | 20      |

Wide Flood Distribution  
LTL # 851726  
Lumens: 2,264

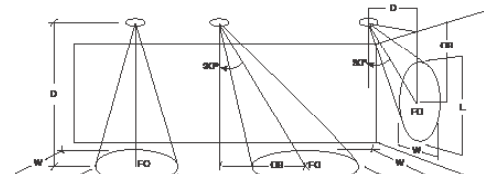


| Candelas at Nadir |         |
|-------------------|---------|
| Deg               | Candela |
| 0                 | 4223    |
| 5                 | 4139    |
| 15                | 2980    |
| 25                | 1658    |
| 35                | 323     |
| 45                | 26      |

## 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  |
| NARROW SPOT | 5.0'   | 1367 | 1.1 | 1.1 | 5.0'  | 839 | 1.3  | 1.1 | 3.0 | 3.0'  | 508 | 2.0 | 1.1 | 5.0  | 3.0'  | 1553 | 1.1 | 1.0 | 2.0 |
|             | 7.5'   | 608  | 1.3 | 1.3 | 7.5'  | 384 | 1.9  | 1.4 | 4.0 | 4.0'  | 261 | 2.9 | 1.4 | 7.0  | 4.0'  | 1131 | 1.2 | 1.1 | 2.0 |
|             | 10.0'  | 342  | 1.7 | 1.7 | 10.0'   | 211 | 2.5  | 2.1 | 6.0 | 5.0'  | 186 | 3.3 | 1.6 | 8.0  | 5.0'  | 846  | 1.2 | 1.1 | 3.0 |
|             | 12.5'  | 219  | 2.3 | 2.3 | 12.5'   | 143 | 3.0  | 2.7 | 7.0 | 6.0'  | 128 | 4.0 | 2.1 | 10.0 | 6.0'  | 503  | 2.0 | 1.3 | 3.0 |
| SPOT        | 5.0'   | 745  | 1.3 | 1.3 | 5.0'  | 463 | 1.7  | 1.4 | 3.0 | 3.0'  | 279 | 2.9 | 1.4 | 5.0  | 3.0'  | 1010 | 1.4 | 1.1 | 2.0 |
|             | 7.5'   | 332  | 1.7 | 1.7 | 7.5'  | 221 | 2.4  | 2.0 | 4.0 | 4.0'  | 168 | 3.7 | 1.7 | 6.0  | 4.0'  | 723  | 1.5 | 1.2 | 2.0 |
|             | 10.0'  | 187  | 2.6 | 2.6 | 10.0'   | 116 | 3.4  | 3.0 | 5.0 | 5.0'  | 108 | 4.3 | 2.4 | 8.0  | 5.0'  | 465  | 1.7 | 1.4 | 3.0 |
|             | 12.5'  | 120  | 3.1 | 3.1 | 12.5'   | 79  | 4.0  | 3.5 | 7.0 | 6.0'  | 75  | 5.3 | 2.8 | 9.0  | 6.0'  | 322  | 2.2 | 1.6 | 3.0 |
| FLOOD       | 5.0'   | 347  | 2.1 | 2.1 | 5.0'  | 217 | 2.8  | 2.5 | 3.0 | 3.0'  | 168 | 3.6 | 2.1 | 4.0  | 3.0'  | 524  | 2.2 | 1.4 | 2.0 |
|             | 7.5'   | 154  | 3.2 | 3.2 | 7.5'  | 104 | 3.9  | 3.5 | 4.0 | 4.0'  | 93  | 4.7 | 2.9 | 5.0  | 4.0'  | 369  | 2.1 | 1.8 | 2.0 |
|             | 10.0'  | 87   | 4.1 | 4.1 | 10.0'   | 59  | 5.2  | 4.7 | 5.0 | 5.0'  | 60  | 5.8 | 3.6 | 7.0  | 5.0'  | 218  | 2.8 | 2.5 | 3.0 |
|             | 12.5'  | 56   | 5.2 | 5.2 | 12.5'   | 38  | 6.6  | 5.8 | 6.0 | 6.0'  | 42  | 7.1 | 4.3 | 8.0  | 6.0'  | 164  | 3.2 | 2.9 | 3.0 |
| WIDE FLOOD  | 5.0'   | 169  | 3.4 | 3.4 | 5.0'  | 126 | 3.9  | 3.6 | 2.0 | 3.0'  | 118 | 3.6 | 3.0 | 3.0  | 3.0'  | 335  | 2.5 | 2.2 | 1.0 |
|             | 7.5'   | 76   | 5.1 | 5.1 | 7.5'  | 56  | 5.9  | 5.4 | 3.0 | 4.0'  | 67  | 4.7 | 4.0 | 4.0  | 4.0'  | 189  | 3.3 | 3.1 | 2.0 |
|             | 10.0'  | 43   | 6.8 | 6.8 | 10.0'   | 32  | 8.0  | 7.3 | 4.0 | 5.0'  | 43  | 6.1 | 5.0 | 5.0  | 5.0'  | 127  | 4.0 | 3.6 | 2.0 |
|             | 12.5'  | 27   | 8.5 | 8.5 | 12.5'   | 20  | 10.0 | 9.2 | 5.0 | 6.0'  | 30  | 7.4 | 6.0 | 6.0  | 6.0'  | 84   | 5.0 | 4.6 | 3.0 |

# CYLINDRIX® III VERTICAL

LED TRACK HEAD

C3TV-A14  
LED



TYPE:



ENERGY STAR APPROVED MODEL NUMBERS:



## Certificate of Conformance

### Energy Efficiency Certification

UL conducted an independent evaluation on behalf of:

**AMERLUX L L C**

23 Daniel Rd, Fairfield, NJ 07004-2527

for the following products:

Directional Luminaires

Brand: Amerlux

Model: See Appendix A

This product meets all of the necessary qualifications pursuant to:

ENERGY STAR®: Program Requirements for Luminaires, Version 2.0



2017-04-05

Certification Date

N/A

Certification Revision Date

*Am-Lux*

Issued by

11650992

UL Product Number

00-VS-F0418, Version 3.0, 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 these is a non-compliance with the Agreement.

#### Appendix A

| Model Name | Model Number                          | Family Model(s) - Additional Model Number |
|------------|---------------------------------------|---|
| C3TV       | C3TV-A14-##-LED-**-***-###-**-2700-## | C3TV-A14-##-LED-**-***-###-**-3000-##     |
|            |                                       | C3TV-A14-##-LED-**-***-###-**-3500-##     |
|            |                                       | C3TV-A14-##-LED-**-***-###-**-4000-##     |
|            |                                       | C3TH-A14-##-LED-**-***-###-**-2700-##     |
|            |                                       | C3TH-A14-##-LED-**-***-###-**-3000-##     |
|            |                                       | C3TH-A14-##-LED-**-***-###-**-3500-##     |
|            |                                       | C3TH-A14-##-LED-**-***-###-**-4000-##     |
|            |                                       | C3TV-A14-##-LED-**-***-###-**-3000-##     |