

Cylindrix® IV

Track Head



Features

Cylindrix® IV track head, with an passive cooling 46W or 51W LED optic, producing about 4600 delivered lumens. An excellent replacement for 70W metal halide fixtures, the C4TV offers a lower wattage optic with various beam distributions, color temperatures and other accessory options, making it ideal for higher mounting heights and for punching through ambient light levels to highlight your displays.

Product Overview

| | |
|---------------|--|
| Type: | Track Accent & Display |
| Wattage: | 46, 51 |
| Lumen Output: | 4,618 max; 89.6 Lm/W |
| CBCP: | 36,370 max |
| Color Temp: | 2700K, 3000K, 3500K, 4000K |
| CRI: | 83 typ. (2700K, 3000K, 3500K, 4000K) 90+ typ. (2700K, 3000K) |
| Dimming: | CrispWhite & Class A LED's available TRIAC & ELV (120V/277V) - 5% Dim |

PROJECT:

TYPE:

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

Performance Chart

| Watts | Delivered Lumens | LPW | CBCP | Color Temp |
|-------|------------------|------|--------|------------|
| 46 | 3,263 | 70.9 | 26,826 | 3000K-83 |
| 51 | 4,618 | 89.6 | 36,370 | 3000K-83 |

Data is based on 3000K-83 120V IES files available on website

Data is based on Spot optics

See pg 5-6 for other beam spreads performance

Electrical Data

| | 46W | | 51W | |
|------|--------------|------|--------------|------|
| | System Watts | Amps | System Watts | Amps |
| 120V | 46 | 0.38 | 51 | 0.43 |
| 277V | 46 | 0.17 | 51 | 0.18 |

Electronic constant current LED driver



5 year limited warranty
AMERLUX LED



Cylindrix® IV

Track Head



PROJECT:

TYPE:

Ordering Information



1 Model
C4TV-A17 (vertical)

2 Wattage
46
51

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, 120V
LOL - L-Style, 120V
CPR - Capri, 120V
B* - busway, 120V or 277V
C - canopy, 120V or 277V
CCL2-SCP - C-clamp, black, with straight cord**, 6'
CCL2-CCP - C-clamp, black, with coil cord**, 5'
Notes: *Busway compact series B40,B60c only, consult factory for other busway adapters. Black busway adapter used for ST finish
**Black cord used for BT & ST finish,
White cord used for WT finish

5 Voltage
120
277

6 Beam Spreads
SP - spot, 15°
FL - flood, 25°
WF - wide flood, 36°
LS - linear spread, 60° x 10°

7 Color Temp
83 CRI: 90+ CRI:
27 - 2700K-83 279 - 2700K-90+ CRISP - CrispWhite
30 - 3000K-83 309 - 3000K-90+ 3CLA - 3K Class A
35 - 3500K-83
40 - 4000K-83

8 Driver
LE/TE - TRIAC/ELV dimming

9 Options/Accessories
SN - snoot, 1-1/4" length, matte black interior, exterior finish matches fixture finish, accepts up to 2 accessories
HEX - hexcell louver
SOL - solite beam softening lens
CB - cross blade, matte black finish (requires snoot)



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

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PROJECT:

TYPE:

Specifications

Application

Retail and Commercial accent and display lighting

Construction

Extruded aluminum driver housing
Die-cast aluminum fixture head, front door, heat sink and driver housing end plates.
No exposed wiring

Optical

0-90° tilt, 360° rotation
Beam Spreads: Spot, 15°; Flood, 25°; Wide Flood, 36°;
Linear Spread, 60° x 10°

LED

Color Temp Options:
2200K, 2700K, 3000K, 3500K, 4000K, CRISP, Class A
CRI: 83 typ. (2700K, 3000K, 3500K, 4000K)
90+ typ. (2700K, 3000K)
CrispWhite* and Class A** 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: 46, 51
Electronic constant current LED driver, 120V/277V 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 less than 5% on most dimming system.
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.
See ordering information for all available options.
Note: Ceiling mounted track only

Certifications

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

Warranty

5 year limited warranty

Cylindrix® IV

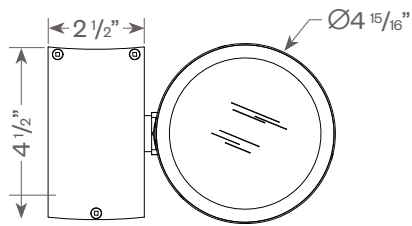
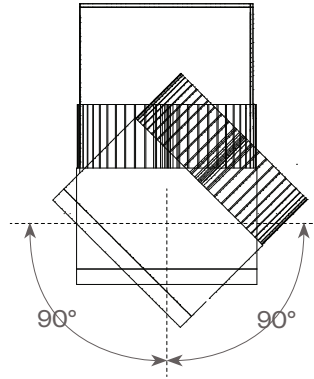
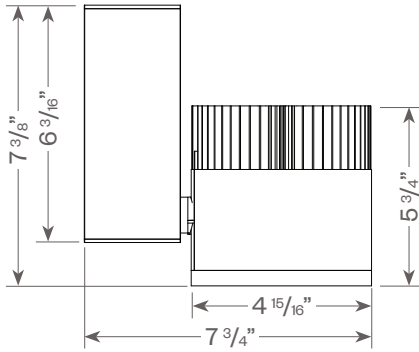
Track Head



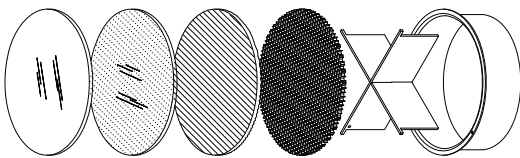
PROJECT:

TYPE:

C4 Track Vertical:



Accessories



Clear lens (standard), Solite lens, Linear spread lens, Hexcell louver, Snoot

Cylindrix® IV

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PROJECT:

TYPE:

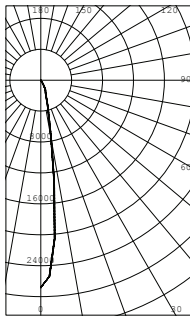
FIXTURE DATA: (Complete photometric data (.ies format) available upon request)

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

| CCT: | 2700K-83 | 3000K-83 | 3500K-83 | 4000K-83 | 2700K-90+ | 3000K-90+ | CRISP | 3CLA |
|---------|----------|----------|----------|----------|-----------|-----------|-------|------|
| Factor: | 0.96 | 1.0 | 1.02 | 1.04 | 0.80 | 0.83 | 0.65 | 0.75 |

46W LED, 3000K-83 (for 51W data, see next page)

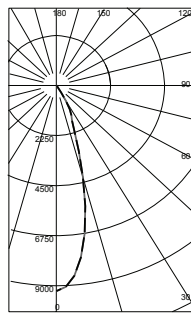
Spot (SP), 15°
LTL #850984
Lumens: 3,263



Candelas at Nadir

| Deg | Candela |
|-----|---------|
| 0 | 26826 |
| 5 | 20551 |
| 15 | 3394 |
| 25 | 1387 |
| 35 | 181 |
| 45 | 23 |

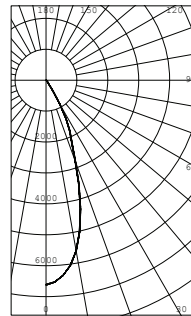
Flood (FL), 25°
LTL #858166
Lumens: 2,845



Candelas at Nadir

| Deg | Candela |
|-----|---------|
| 0 | 9244 |
| 5 | 8587 |
| 15 | 4259 |
| 25 | 1481 |
| 35 | 134 |
| 45 | 55 |

Wide Flood (WF), 36°
LTL #850985
Lumens: 2,831



Candelas at Nadir

| Deg | Candela |
|-----|---------|
| 0 | 6620 |
| 5 | 6342 |
| 15 | 4313 |
| 25 | 1810 |
| 35 | 141 |
| 45 | 55 |

APPLICATION DATA:

Notes and Definitions:

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

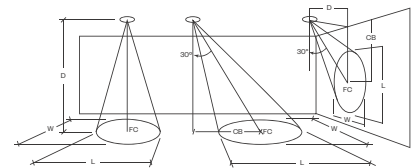
D=Distance to floor or wall.

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' | 1066 | 1.3 | 1.3 | 5.0' | 690 | 1.7 | 1.4 | 3.0 | 3.0' | 399 | 3.0 | 1.4 | 5.0 | 3.0' | 1487 | 1.3 | 1.1 | 2.0 |
| | 7.5' | 475 | 1.9 | 1.9 | 7.5' | 312 | 2.6 | 2.3 | 4.0 | 4.0' | 247 | 3.6 | 1.8 | 6.0 | 4.0' | 1057 | 1.5 | 1.2 | 2.0 |
| | 10.0' | 268 | 2.8 | 2.8 | 10.0' | 170 | 3.6 | 3.1 | 6.0 | 5.0' | 154 | 4.5 | 2.6 | 8.0 | 5.0' | 666 | 1.9 | 1.4 | 3.0 |
| | 12.5' | 172 | 3.3 | 3.3 | 12.5' | 113 | 4.3 | 3.7 | 7.0 | 6.0' | 111 | 5.3 | 2.9 | 9.0 | 6.0' | 471 | 2.2 | 1.6 | 3.0 |
| FLOOD | 5.0' | 370 | 2.5 | 2.5 | 5.0' | 239 | 3.1 | 2.9 | 3.0 | 3.0' | 193 | 3.7 | 2.5 | 4.0 | 3.0' | 574 | 2.3 | 1.6 | 1.0 |
| | 7.5' | 165 | 3.6 | 3.6 | 7.5' | 113 | 4.5 | 4.1 | 4.0 | 4.0' | 112 | 4.7 | 3.1 | 5.0 | 4.0' | 400 | 2.5 | 2.2 | 2.0 |
| | 10.0' | 93 | 4.9 | 4.9 | 10.0' | 64 | 6.0 | 5.4 | 5.0 | 5.0' | 73 | 5.8 | 3.9 | 6.0 | 5.0' | 243 | 3.1 | 2.8 | 2.0 |
| | 12.5' | 60 | 6.0 | 6.0 | 12.5' | 41 | 7.4 | 6.8 | 6.0 | 6.0' | 50 | 7.3 | 4.7 | 7.0 | 6.0' | 178 | 3.6 | 3.2 | 3.0 |
| WIDE FLOOD | 5.0' | 265 | 3.1 | 3.1 | 5.0' | 189 | 3.6 | 3.2 | 2.0 | 3.0' | 170 | 3.6 | 2.7 | 3.0 | 3.0' | 502 | 2.3 | 1.8 | 1.0 |
| | 7.5' | 118 | 4.6 | 4.6 | 7.5' | 84 | 5.4 | 5.0 | 3.0 | 4.0' | 96 | 4.6 | 3.5 | 4.0 | 4.0' | 292 | 3.0 | 2.8 | 2.0 |
| | 10.0' | 67 | 6.0 | 6.0 | 10.0' | 48 | 7.2 | 6.7 | 4.0 | 5.0' | 62 | 5.9 | 4.5 | 5.0 | 5.0' | 192 | 3.6 | 3.2 | 2.0 |
| | 12.5' | 43 | 7.6 | 7.6 | 12.5' | 31 | 9.0 | 8.3 | 5.0 | 6.0' | 43 | 7.2 | 5.4 | 6.0 | 6.0' | 130 | 4.4 | 4.1 | 3.0 |

PROJECT:

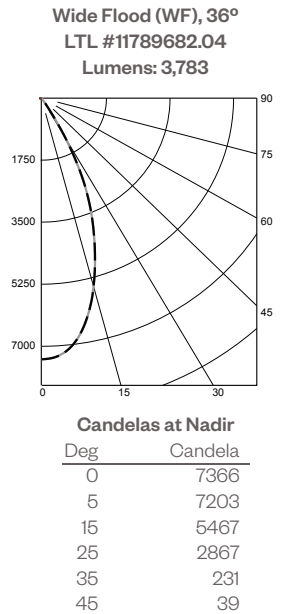
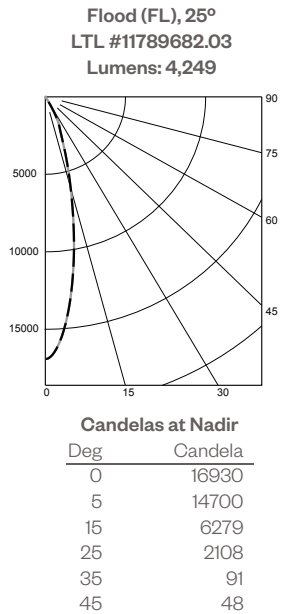
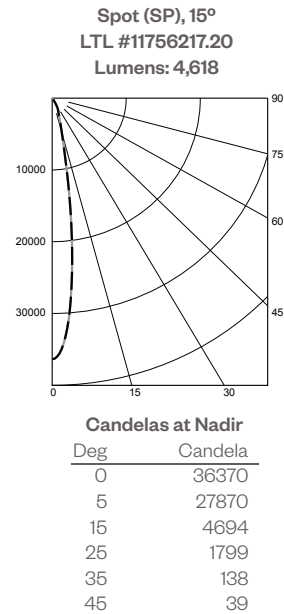
TYPE:

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

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

| CCT: | 2700K-83 | 3000K-83 | 3500K-83 | 4000K-83 | 2700K-90+ | 3000K-90+ | CRISP | 3CLA |
|---------|----------|----------|----------|----------|-----------|-----------|-------|------|
| Factor: | 0.96 | 1.0 | 1.02 | 1.04 | 0.80 | 0.83 | 0.65 | 0.75 |

51W LED, 3000K-83 (for 46W data, see previous page)



APPLICATION DATA:

Notes and Definitions:

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

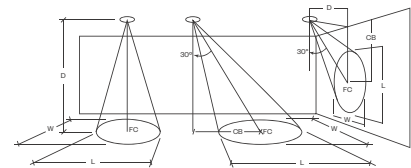
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CB=Distance across or down to center beam location.



| | 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' | 1452 | 1.3 | 1.3 | 5.0' | 938 | 1.8 | 1.5 | 3.0 | 3.0' | 548 | 3.0 | 1.5 | 5.0 | 3.0' | 2032 | 1.4 | 1.4 | 2.0 |
| | 7.5' | 648 | 2.0 | 2.0 | 7.5' | 425 | 2.7 | 2.4 | 4.0 | 4.0' | 338 | 3.7 | 1.9 | 6.0 | 4.0' | 1443 | 1.6 | 1.2 | 2.0 |
| | 10.0' | 365 | 2.8 | 2.8 | 10.0' | 232 | 3.7 | 3.2 | 6.0 | 5.0' | 210 | 4.7 | 2.7 | 8.0 | 5.0' | 913 | 2.0 | 1.5 | 3.0 |
| | 12.5' | 234 | 3.4 | 3.4 | 12.5' | 155 | 4.5 | 3.9 | 7.0 | 6.0' | 151 | 5.5 | 3.0 | 9.0 | 6.0' | 642 | 2.2 | 1.7 | 3.0 |
| FLOOD | 5.0' | 679 | 2.0 | 2.0 | 5.0' | 437 | 2.8 | 2.5 | 3.0 | 3.0' | 318 | 3.7 | 2.2 | 4.0 | 3.0' | 1005 | 2.1 | 1.5 | 2.0 |
| | 7.5' | 302 | 3.1 | 3.1 | 7.5' | 203 | 4.0 | 3.5 | 4.0 | 4.0' | 178 | 4.8 | 3.0 | 5.0 | 4.0' | 708 | 2.2 | 1.8 | 2.0 |
| | 10.0' | 170 | 4.1 | 4.1 | 10.0' | 113 | 5.4 | 4.8 | 5.0 | 5.0' | 113 | 6.1 | 3.7 | 7.0 | 5.0' | 427 | 2.8 | 2.5 | 3.0 |
| | 12.5' | 109 | 5.2 | 5.2 | 12.5' | 73 | 6.7 | 5.9 | 7.0 | 6.0' | 81 | 7.6 | 4.4 | 8.0 | 6.0' | 157 | 3.3 | 2.9 | 3.0 |
| WIDE FLOOD | 5.0' | 296 | 3.5 | 3.5 | 5.0' | 220 | 3.9 | 3.7 | 2.0 | 3.0' | 216 | 3.5 | 2.8 | 3.0 | 3.0' | 600 | 2.3 | 2.2 | 1.0 |
| | 7.5' | 132 | 5.3 | 5.3 | 7.5' | 98 | 5.9 | 5.6 | 3.0 | 4.0' | 122 | 4.4 | 3.9 | 4.0 | 4.0' | 330 | 3.2 | 3.1 | 2.0 |
| | 10.0' | 74 | 7.0 | 7.0 | 10.0' | 55 | 7.9 | 7.5 | 4.0 | 5.0' | 78 | 5.6 | 5.0 | 5.0 | 5.0' | 222 | 3.9 | 3.7 | 2.0 |
| | 12.5' | 48 | 8.8 | 8.8 | 12.5' | 36 | 10.0 | 9.5 | 5.0 | 6.0' | 55 | 6.8 | 5.9 | 6.0 | 6.0' | 151 | 4.8 | 4.6 | 2.0 |

Cylindrix® IV

Track Head



PROJECT:

TYPE:

DIMMING COMPATIBILITY:

Amerlux® Cylindrix® 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 ---

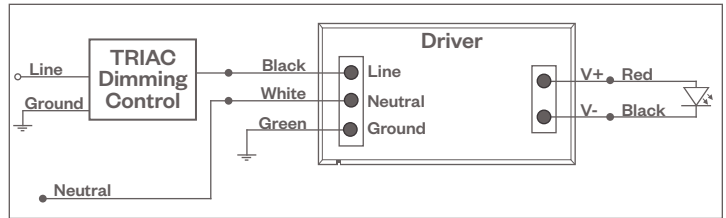
TRIAC (Forward Phase) DIMMING (Standard)

Utilizes “Standard” incandescent dimmers that are in wide use in installations across the US. Best for retrofit applications where TRIAC dimmers are installed.

Notes:

- 120V or 277V*
- 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

TRIAC Wiring Diagram



Compatible Dimmers†:

| Wall Box (Incandescent Style, Wattage as required) | | Central System |
|--|------------------|----------------------|
| Lutron “Diva” | Lutron “Vareo” | Lutron “GP” Panel |
| Lutron “Nova-T” | Lutron “Skylark” | Lutron Grafik Eye QS |
| Lutron “Maestro” | | |

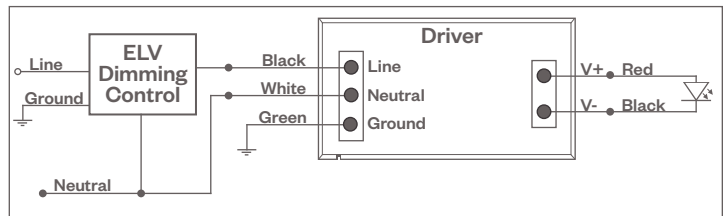
ELV - Electronic Low Voltage (Reverse Phase) DIMMING (Standard)

Utilizes specialized “ELV” dimmers.

Notes:

- 120V or 277V*
- 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

ELV Wiring Diagram



Compatible Dimmers†:

| Wall Box (ELV Style) | | Central System |
|----------------------|--------------------|---|
| Lutron “Diva” | Leviton “Surslide” | Lutron “GP” Panel with PHPM-PA Interface |
| Lutron “Nova-T” | Leviton “Vizio” | Lutron Grafik Eye QS with PHPM-PA Interface |
| Lutron “Maestro” | | |
| Lutron “Vareo” | | |
| Lutron “Skylark” | | |

Notes:

- * Driver is 277V dimmable with appropriate dimmer (by others). All provided wiring diagrams show 120V wiring colors and method. Please refer to 277V dimmer installation instructions for 277V wiring diagrams.
- † The absence of a dimmer from the lists above does not imply incompatibility. Please consult factory for compatibility inquiries.

PROJECT:

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



2017-09-08

Certification Date

N/A

Certification Revision Date

[Signature]

Issued by

11943107

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 there is a non-compliance with the Agreement.

Appendix A

| Model Name | Model Number | Family Model(s) - Additional Model Number |
|------------|-------------------------------------|---|
| C4TV | C4TV-A17-51-**-***-###-**-309-LE/TE | C4TV-A17-51-**-***-###-**-27-LE/TE |
| | | C4TV-A17-51-**-***-###-**-30-LE/TE |
| | | C4TV-A17-51-**-***-###-**-35-LE/TE |
| | | C4TV-A17-51-**-***-###-**-40-LE/TE |
| C4TV | C4TV-A17-46-**-***-###-**-279-LE/TE | C4TV-A17-46-**-***-###-**-309-LE/TE |
| | | C4TV-A17-46-**-***-###-**-27-LE/TE |
| | | C4TV-A17-46-**-***-###-**-30-LE/TE |
| | | C4TV-A17-46-**-***-###-**-35-LE/TE |
| | | C4TV-A17-46-**-***-###-**-40-LE/TE |