

# CYLINDRIX III MINI

## VERTICAL TRACK ACCENT LED INTERNATIONAL

### APPLICATION

Accent and display lighting for retail, commercial & hospitality environments

### CONSTRUCTION:

Complete die-cast construction  
No exposed wiring  
Powder coat paint

### ELECTRICAL:

Electronic constant current LED driver, 240v input  
ELV and Triac dimming standard

**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 mounting  
- Not for use on vertically mounted track

### OPTICS:

0-180° tilt, 360° rotation  
Available in a variety of beam spreads  
LED:  
Color Temp Options: 2200K, 2700K, 3000K, 3500K, 4000K  
CRI: 83 typ. (2700K, 3000K, 3500K, 4000K)  
90+ typ. (2200K, 2700K, 3000K, 3500K)  
CrispWhite & Class A LED available  
R9 Values: 11 (83CRI), 55 (92CRI)  
Binning: 3 MacAdam  
Lumen Maintenance: >70% of initial lumens @ 50,000 hrs  
Lumen Output (21W, 3000K): VNF 2125 lm (105 lpw)  
CBCP (21W, 3000K): VNF 13,260  
VNSP (18W only) 24,308

### LABELING:

CE  
Dry location

I-C3MV  
LED

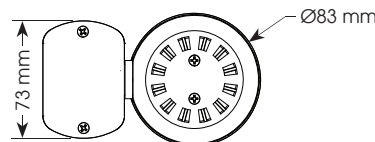
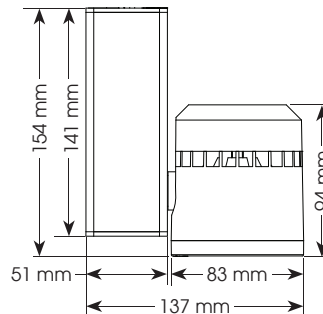
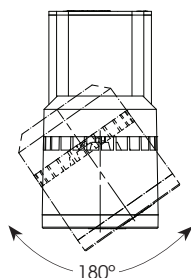


PROJECT:

TYPE:



Electrostatic sensitive device,  
observe precautions for  
handling



### ELECTRICAL

Electronic driver

|      | 15W          |      | 18W          |      | 21W          |      |
|------|--------------|------|--------------|------|--------------|------|
|      | System Watts | Amps | System Watts | Amps | System Watts | Amps |
| 240v | 15           | 0.06 | 18           | 0.08 | 21           | 0.09 |

### ORDERING INFORMATION:

| Model  | Wattage      | Lamp Type | Finish                                                          | Mounting                                    | Voltage | Beam Spread                                                                                                         | Color Temp (CCT-CRI)                                                                                                                                                            | Listing Code | Options/Accessories                                                                                                                          |
|--------|--------------|-----------|-----------------------------------------------------------------|---------------------------------------------|---------|---------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| I-C3MV | 15<br>21     | LED       | WT - white texture<br>BT - black texture<br>ST - silver texture | GB67 - Global 1 cir<br>GA100 - Global 3 cir | 240     | SP - spot, 14°<br>VNF - very narrow flood, 18°<br>NF - narrow flood, 23°<br>FL - flood, 34°<br>WF - wide flood, 44° | 27 - 2700-83<br>30 - 3000-83<br>35 - 3500-83<br>40 - 4000-83<br>229 - 2200-90+<br>279 - 2700-90+<br>309 - 3000-90+<br>359 - 3500-90+<br>3CLA - 3K Class A<br>CRISP - CrispWhite | CE           | SN - snoot<br>LS - linear spread<br>HEX - hexcel louver<br>CB - cross blade, matte black, requires snoot<br>SOL - solite beam softening lens |
|        | 18 (8° only) |           | (other RAL)                                                     |                                             |         | VNVP - very narrow spot, 8° (18w only)                                                                              |                                                                                                                                                                                 |              |                                                                                                                                              |

Example: I-C3MV-21-LED-WT-GB67-240-FL-30-CE

Cat #:

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

# CYLINDRIX III MINI

VERTICAL TRACK ACCENT LED INTERNATIONAL



TYPE:

I-C3MV  
LED



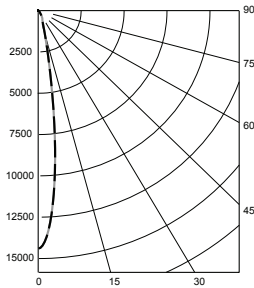
**FIXTURE DATA:** For 15W data, multiply by 0.71; For 18W see next page

Complete photometric data (ies format) available upon request.

CCT Correction Factors: 2700-83 = 0.96; 3500-83 = 1.02; 4000-83 = 1.04; 2200-90+ = 0.71; 2700-90+ = 0.8; 3000-90+ = 0.83; 3500-90+ = 0.87; Crisp = 0.65; 3CLA = 0.75

## 21W LED (3000K-83)

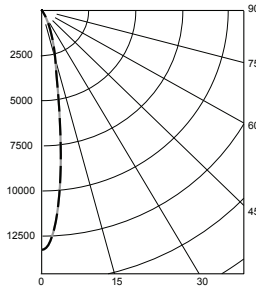
Spot (SP), 14°  
LTL # 13609366.15  
Lumens: 1,898



### Candelas at Nadir

| Deg | Candela |
|-----|---------|
| 0   | 14400   |
| 5   | 10490   |
| 15  | 1426    |
| 25  | 560     |
| 35  | 233     |
| 45  | 110     |

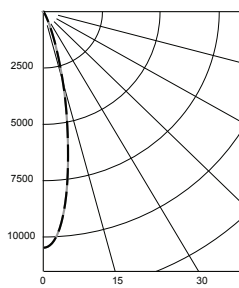
Very Narrow Flood (VNF), 18°  
LTL # 13609366.16  
Lumens: 2,125



### Candelas at Nadir

| Deg | Candela |
|-----|---------|
| 0   | 13260   |
| 5   | 10300   |
| 15  | 2656    |
| 25  | 810     |
| 35  | 136     |
| 45  | 33      |

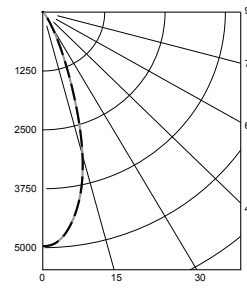
Narrow Flood (NF), 23°  
LTL # 3609366.17  
Lumens: 1,988



### Candelas at Nadir

| Deg | Candela |
|-----|---------|
| 0   | 10480   |
| 5   | 9150    |
| 15  | 2963    |
| 25  | 453     |
| 35  | 86      |
| 45  | 47      |

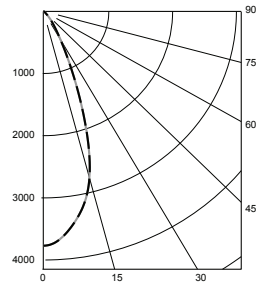
Flood (FL), 34°  
LTL # 13609366.18  
Lumens: 1,960



### Candelas at Nadir

| Deg | Candela |
|-----|---------|
| 0   | 4970    |
| 5   | 4780    |
| 15  | 3130    |
| 25  | 913     |
| 35  | 193     |
| 45  | 55      |

Wide Flood (WF), 44°  
LTL # 13609366.19  
Lumens: 1,930



### Candelas at Nadir

| Deg | Candela |
|-----|---------|
| 0   | 3771    |
| 5   | 3624    |
| 15  | 2758    |
| 25  | 1034    |
| 35  | 308     |
| 45  | 101     |

## APPLICATION DATA:

### Notes and Definitions:

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

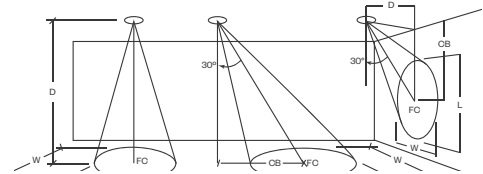
D=Distance to floor or wall.

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

|                   | 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   | D                                     | FC  | L   | W   | D                                     | FC  | L   | W   |
| SPOT              | 5.0'                                   | 575 | 1.2 | 1.2 | 5.0'                                    | 371 | 1.6 | 1.4 | 3.0'                                  | 216 | 2.8 | 1.4 | 3.0'                                  | 779 | 1.3 | 1.1 |
|                   | 7.5'                                   | 256 | 1.9 | 1.9 | 7.5'                                    | 166 | 2.5 | 2.2 | 4.0'                                  | 130 | 3.5 | 1.8 | 4.0'                                  | 555 | 1.5 | 1.2 |
|                   | 10.0'                                  | 144 | 2.7 | 2.7 | 10.0'                                   | 92  | 3.4 | 3.0 | 5.0'                                  | 82  | 4.3 | 2.5 | 5.0'                                  | 361 | 1.8 | 1.4 |
|                   | 12.5'                                  | 93  | 3.2 | 3.2 | 12.5'                                   | 61  | 4.1 | 3.6 | 6.0'                                  | 58  | 5.2 | 2.9 | 6.0'                                  | 247 | 2.2 | 1.6 |
|                   |                                        |     |     |     |                                         |     |     |     |                                       |     |     |     |                                       |     |     |     |
| VERY NARROW FLOOD | 5.0'                                   | 531 | 1.4 | 1.4 | 5.0'                                    | 342 | 1.9 | 1.5 | 3.0'                                  | 200 | 3.4 | 1.6 | 3.0'                                  | 745 | 1.5 | 1.2 |
|                   | 7.5'                                   | 236 | 2.2 | 2.2 | 7.5'                                    | 155 | 2.9 | 2.6 | 4.0'                                  | 124 | 4.1 | 2.1 | 4.0'                                  | 529 | 1.7 | 1.3 |
|                   | 10.0'                                  | 133 | 3.0 | 3.0 | 10.0'                                   | 85  | 3.9 | 3.4 | 5.0'                                  | 77  | 5.2 | 2.9 | 5.0'                                  | 333 | 2.1 | 1.6 |
|                   | 12.5'                                  | 85  | 3.6 | 3.6 | 12.5'                                   | 57  | 4.7 | 4.1 | 6.0'                                  | 56  | 6.2 | 3.2 | 6.0'                                  | 235 | 2.4 | 1.9 |
|                   |                                        |     |     |     |                                         |     |     |     |                                       |     |     |     |                                       |     |     |     |
| NARROW FLOOD      | 5.0'                                   | 420 | 1.8 | 1.8 | 5.0'                                    | 271 | 2.5 | 2.2 | 3.0'                                  | 193 | 3.2 | 1.8 | 3.0'                                  | 628 | 1.9 | 1.3 |
|                   | 7.5'                                   | 187 | 2.9 | 2.9 | 7.5'                                    | 126 | 3.5 | 3.2 | 4.0'                                  | 105 | 4.5 | 2.8 | 4.0'                                  | 443 | 1.9 | 1.6 |
|                   | 10.0'                                  | 105 | 3.7 | 3.7 | 10.0'                                   | 71  | 4.8 | 4.2 | 5.0'                                  | 70  | 5.4 | 3.3 | 5.0'                                  | 265 | 2.6 | 2.2 |
|                   | 12.5'                                  | 67  | 4.7 | 4.7 | 12.5'                                   | 45  | 6.0 | 5.4 | 6.0'                                  | 49  | 6.6 | 3.9 | 6.0'                                  | 197 | 2.9 | 2.6 |
|                   |                                        |     |     |     |                                         |     |     |     |                                       |     |     |     |                                       |     |     |     |
| FLOOD             | 5.0'                                   | 199 | 3.0 | 3.0 | 5.0'                                    | 141 | 3.5 | 3.1 | 3.0'                                  | 124 | 3.3 | 2.7 | 3.0'                                  | 372 | 2.2 | 1.8 |
|                   | 7.5'                                   | 89  | 4.4 | 4.4 | 7.5'                                    | 63  | 5.2 | 4.8 | 4.0'                                  | 70  | 4.5 | 3.4 | 4.0'                                  | 221 | 2.9 | 2.7 |
|                   | 10.0'                                  | 50  | 5.8 | 5.8 | 10.0'                                   | 36  | 6.9 | 6.4 | 5.0'                                  | 45  | 5.6 | 4.4 | 5.0'                                  | 143 | 3.5 | 3.1 |
|                   | 12.5'                                  | 32  | 7.3 | 7.3 | 12.5'                                   | 23  | 8.6 | 8.0 | 6.0'                                  | 32  | 6.8 | 5.2 | 6.0'                                  | 98  | 4.2 | 3.9 |
|                   |                                        |     |     |     |                                         |     |     |     |                                       |     |     |     |                                       |     |     |     |
| WIDE FLOOD        | 5.0'                                   | 151 | 3.2 | 3.2 | 5.0'                                    | 110 | 3.8 | 3.5 | 3.0'                                  | 109 | 3.2 | 2.7 | 3.0'                                  | 303 | 2.3 | 2.0 |
|                   | 7.5'                                   | 67  | 5.0 | 5.0 | 7.5'                                    | 49  | 5.6 | 5.4 | 4.0'                                  | 62  | 4.2 | 3.6 | 4.0'                                  | 167 | 3.1 | 3.0 |
|                   | 10.0'                                  | 38  | 6.6 | 6.6 | 10.0'                                   | 28  | 7.5 | 7.3 | 5.0'                                  | 40  | 5.3 | 4.6 | 5.0'                                  | 111 | 3.8 | 3.5 |
|                   | 12.5'                                  | 25  | 8.3 | 8.3 | 12.5'                                   | 18  | 9.5 | 9.1 | 6.0'                                  | 28  | 6.5 | 5.5 | 6.0'                                  | 76  | 4.6 | 4.5 |
|                   |                                        |     |     |     |                                         |     |     |     |                                       |     |     |     |                                       |     |     |     |

# CYLINDRIX III MINI

VERTICAL TRACK ACCENT LED INTERNATIONAL

I-C3MV  
LED



TYPE:



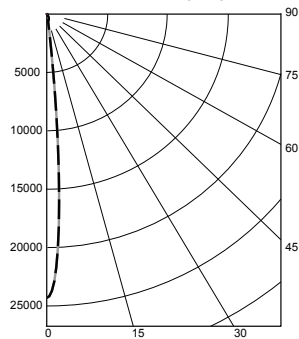
## FIXTURE DATA:

Complete photometric data (ies format) available upon request.

CCT Correction Factors: 2700-83 = 0.96; 3500-83 = 1.02; 4000-83 = 1.04; 2200-90+ = 0.71; 2700-90+ = 0.8; 3000-90+ = 0.83; 3500-90+ = 0.87; Crisp = 0.65; 3CLA = 0.75

## 18W LED (3000K-83)

VERY NARROW SPOT (VNSP)  
DISTRIBUTION  
LTL #1170140



| Candelas at Nadir |         |
|-------------------|---------|
| Deg               | Candela |
| 0                 | 24308   |
| 5                 | 8980    |
| 15                | 527     |
| 25                | 394     |
| 35                | 131     |
| 45                | 57      |

## APPLICATION DATA:

### Notes and Definitions:

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

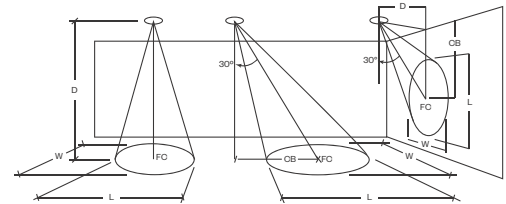
D=Distance to floor or wall.

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  |
| VERY<br>NARROW<br>SPOT | 5.0'                                         | 967 | 1.0 | 1.0 |  | 5.0'                                          | 624 | 1.0 | 1.0 | 3.0 | 3.0'                                        | 360 | 1.5 | 1.0 | 5.0  | 3.0'                                        | 983 | 1.0 | 1.0 | 2.0 |
|                        | 7.5'                                         | 431 | 1.1 | 1.1 |  | 7.5'                                          | 251 | 1.8 | 1.1 | 4.0 | 4.0'                                        | 185 | 2.4 | 1.1 | 7.0  | 4.0'                                        | 729 | 1.1 | 1.0 | 2.0 |
|                        | 10.0'                                        | 243 | 1.3 | 1.3 |  | 10.0'                                         | 153 | 2.1 | 1.6 | 6.0 | 5.0'                                        | 129 | 2.7 | 1.2 | 8.0  | 5.0'                                        | 600 | 1.1 | 1.0 | 3.0 |
|                        | 12.5'                                        | 156 | 1.8 | 1.8 |  | 12.5'                                         | 102 | 2.4 | 2.2 | 7.0 | 6.0'                                        | 90  | 3.3 | 1.6 | 10.0 | 6.0'                                        | 325 | 1.9 | 1.0 | 3.0 |