

# Day-Brite CFI

by  Signify

## Recessed

Arioso LED 1x4

Ribbed acrylic lens  
3200 or 3800 lumens



Project: \_\_\_\_\_  
 Location: \_\_\_\_\_  
 Cat.No: \_\_\_\_\_  
 Type: \_\_\_\_\_  
 Lamps: \_\_\_\_\_ Qty: \_\_\_\_\_  
 Notes: \_\_\_\_\_

The Day-Brite / CFI Arioso recessed LED with ribbed acrylic lens offers standard-setting efficiency without aesthetic compromise. These LED luminaires combine state-of-the-art, flexible and globally-recognized LED lighting platforms with proven Arioso optical combinations.

### Ordering guide

Example: 1AVEG32L835-4-ACR-UNV-DIM

| Width | Family                  | Ceiling Type                       | Lumen Package                                      | Color                                  | Length | Shielding                            | Voltage   | Driver  | Options   |
|-------|-------------------------|------------------------------------|--|--|--------|--------------------------------------|---|---|---|
| 1     | AVE                     | G                                  |  | —                                      | 4      | ACR                                  | —   | —   |   |
| 1 1'  | AVE Arioso recessed LED | G 15/16" T-Grid or 9/16" Slot Grid | 32L 3200 nominal lumens<br>38L 3800 nominal lumens | 835 80 CRI, 3500K<br>840 80 CRI, 4000K | 4 4'   | ACR 100% frosted ribbed acrylic lens | UNV Universal Voltage, 120-277 volt<br>347 347V | DIM 0-10V dimming<br>SDIM Step dimming to 40% input power | F1 3/8" flex, 3 wire 18 gauge 6'<br>F2 3/8" flex, 4 wire 18 gauge 6'<br>F1/D 3/8" Twin Flex, 3 Wire 18 gauge 6' for dimmable luminaires<br>F2/SW 3/8" Single Flex, 5 Wire 18 gauge 6' for dimmable luminaires<br>GLR Fusing, Fast Blow<br>DSC Quick driver disconnect |

### Accessories (order separately)

- AVHD – Hold down clips
- FMA14 – 1'x4' "F" mounting frame for NEMA "F" mounting
- 1AVE-2AVE-ACR – replacement lens
- Electrical wiring options – Consult factory



# 1AVE Arioso recessed LED ribbed acrylic 1x4

3200 or 3800 lumens

## Features

- 100% frosted ribbed acrylic lens provides soft, balanced, direct and reflected light.
- Seamless welded form – curved top and side reflectors formed together without any gaps or visual barriers.
- High performance LED technology delivers up to 3908 lm at 40W.
- Multiple lumen outputs available to balance energy savings with lighting application needs.
- Ideal for indoor general area lighting – offices, schools, retail and health care applications.
- 80+ CRI and excellent color consistency.
- Capable of providing 35–50% energy savings over 2-T5 (28W) fluorescent luminaires.
- High efficiency LEDs have a minimum 50,000 hour rated life (L70).
- Predicted L70 lifetime based on LED manufacturer's supplied LM-80 data and in-situ laboratory testing.
- Dimming option available.

## Construction/Finish

- 20 gauge steel housing assembly.
- 95% reflectance baked white acrylic matte paint finish.

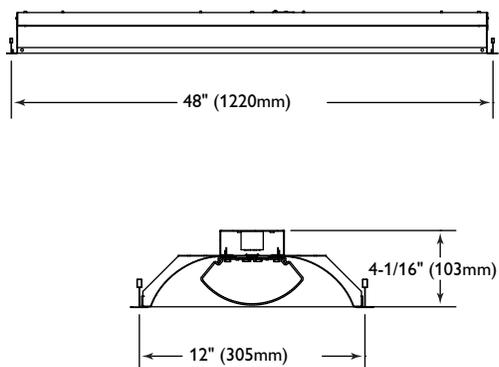
## Electrical

- LED boards and drivers are RoHS (Restriction of Hazardous Substances) compliant. For dimming options, consult factory. LED array and driver accessible from below.
- cCSAus listed.

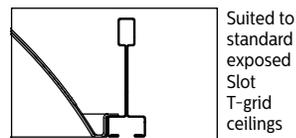
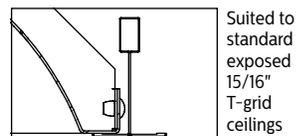
## Enclosure

- High performance contoured lens conceals lamp image providing balance between reflected and direct light.

## Dimensions



## Ceiling compatibility for G type luminaire



# 1AVE Arioso recessed LED ribbed acrylic 1x4

3200 or 3800 lumens

## Photometry

### Arioso recessed LED ribbed acrylic 1x4, 3200 nominal lumens

LER – 103

|   |  |  |   |   |   |  |   |           |
|---|--|--|---|---|---|--|---|-----------|
| <b>Catalog No.</b> 1AVEG32L840-4-ACR<br><b>Test No.</b> 31659<br><b>S/MH</b> 1.3<br><b>Lamp Type</b> LED<br><b>Lumens/Lamp</b> 3168<br><b>Input Watts</b> 30.7<br><br>Comparative yearly lighting energy cost per 1000 lumens – <b>\$2.33</b> based on 3000 hrs. and \$.08 pwr KWH. | <b>Candlepower</b>   |  |   |   | <b>Light Distribution</b>                                   |  |   |           |
|   | <b>Angle</b><br>0<br>5<br>10<br>15<br>20<br>25<br>30<br>35<br>40<br>45<br>50<br>55<br>60<br>65<br>70<br>75<br>80<br>85 | <b>End</b><br>1139<br>1134<br>1117<br>1086<br>1044<br>989<br>924<br>847<br>763<br>672<br>578<br>490<br>403<br>322<br>243<br>173<br>109<br>53 | <b>45</b><br>1139<br>1148<br>1135<br>1108<br>1068<br>1024<br>968<br>904<br>833<br>763<br>691<br>611<br>524<br>416<br>299<br>185<br>94<br>36 | <b>Cross</b><br>1139<br>1108<br>1097<br>1071<br>1041<br>998<br>948<br>894<br>832<br>763<br>691<br>611<br>524<br>416<br>299<br>185<br>94<br>36 | <b>Degrees</b><br>0-30<br>0-40<br>0-60<br>0-90              | <b>Lumens</b><br>883<br>1438<br>2512<br>3164 | <b>% Luminaire</b><br>27.91<br>45.44<br>79.39<br>100.00 |           |
| <b>Coefficients of Utilization</b>  |  |  |   |   | <b>EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)</b> |  |   |           |
|   |  |  |   |   | pcc   | 80   | 70  | 50        |
|   |  |  |   |   | pw  | 70 50 30                                     | 70 50 30  | 50 30     |
|   |  |  |   |   | RCR   |  |   |           |
|   |  |  |   |   | 0   | 1.19 1.19 1.19                               | 1.16 1.16 1.16  | 1.11 1.11 |
|   |  |  |   |   | 1   | 1.10 1.05 1.01                               | 1.07 1.03 99  | .99 .96   |
|   |  |  |   |   | 2   | 1.01 .93 .87                                 | .98 .91 .85   | .88 .83   |
|   |  |  |   |   | 3   | .92 .82 .75                                  | .90 .81 .74   | .78 .72   |
|   |  |  |   |   | 4   | .85 .74 .66                                  | .83 .73 .65   | .70 .63   |
|   |  |  |   |   | 5   | .78 .66 .57                                  | .76 .65 .57   | .63 .56   |
|   |  |  |   |   | 6   | .72 .59 .51                                  | .70 .58 .50   | .56 .49   |
|   |  |  |   |   | 7   | .66 .53 .45                                  | .65 .52 .44   | .51 .43   |
|   |  |  |   |   | 8   | .62 .48 .40                                  | .60 .47 .40   | .46 .39   |
|   |  |  |   |   | 9   | .57 .44 .36                                  | .56 .43 .35   | .42 .35   |
|   |  |  |   |   | 10  | .53 .40 .32                                  | .52 .39 .32   | .38 .31   |

### Arioso recessed LED ribbed acrylic 1x4, 3800 nominal lumens

LER – 97

|   |  |   |   |  |   |   |   |           |
|---|--|---|---|--|---|---|---|-----------|
| <b>Catalog No.</b> 1AVEG38L840-4-ACR<br><b>Test No.</b> 31660<br><b>S/MH</b> 1.3<br><b>Lamp Type</b> LED<br><b>Lumens/Lamp</b> 3908<br><b>Input Watts</b> 40.4<br><br>Comparative yearly lighting energy cost per 1000 lumens – <b>\$2.47</b> based on 3000 hrs. and \$.08 pwr KWH. | <b>Candlepower</b>   |   |   |  | <b>Light Distribution</b>                                   |   |   |           |
|   | <b>Angle</b><br>0<br>5<br>10<br>15<br>20<br>25<br>30<br>35<br>40<br>45<br>50<br>55<br>60<br>65<br>70<br>75<br>80<br>85 | <b>End</b><br>1401<br>1395<br>1374<br>1337<br>1285<br>1218<br>1137<br>1044<br>941<br>829<br>715<br>602<br>499<br>398<br>302<br>214<br>136<br>65 | <b>45</b><br>1401<br>1412<br>1396<br>1363<br>1314<br>1259<br>1191<br>1110<br>1027<br>941<br>852<br>756<br>651<br>519<br>374<br>233<br>119<br>46 | <b>Cross</b><br>1401<br>1366<br>1354<br>1322<br>1285<br>1232<br>1170<br>1102<br>1027<br>941<br>852<br>756<br>651<br>519<br>374<br>233<br>119<br>46 | <b>Degrees</b><br>0-30<br>0-40<br>0-60<br>0-90              | <b>Lumens</b><br>1087<br>1770<br>3092<br>3904 | <b>% Luminaire</b><br>27.85<br>45.35<br>79.21<br>100.00 |           |
| <b>Coefficients of Utilization</b>  |  |   |   |  | <b>EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)</b> |   |   |           |
|   |  |   |   |  | pcc   | 80  | 70  | 50        |
|   |  |   |   |  | pw  | 70 50 30                                      | 70 50 30  | 50 30     |
|   |  |   |   |  | RCR   |   |   |           |
|   |  |   |   |  | 0   | 1.19 1.19 1.19                                | 1.16 1.16 1.16  | 1.11 1.11 |
|   |  |   |   |  | 1   | 1.10 1.05 1.01                                | 1.07 1.03 99  | .99 .96   |
|   |  |   |   |  | 2   | 1.01 .93 .87                                  | .98 .91 .85   | .87 .83   |
|   |  |   |   |  | 3   | .92 .82 .75                                   | .90 .81 .74   | .78 .72   |
|   |  |   |   |  | 4   | .85 .74 .66                                   | .83 .72 .65   | .70 .63   |
|   |  |   |   |  | 5   | .78 .66 .57                                   | .76 .65 .57   | .63 .56   |
|   |  |   |   |  | 6   | .72 .59 .51                                   | .70 .58 .50   | .56 .49   |
|   |  |   |   |  | 7   | .66 .53 .44                                   | .65 .52 .44   | .51 .43   |
|   |  |   |   |  | 8   | .61 .48 .40                                   | .60 .47 .39   | .46 .39   |
|   |  |   |   |  | 9   | .57 .44 .36                                   | .56 .43 .35   | .42 .35   |
|   |  |   |   |  | 10  | .53 .40 .32                                   | .52 .39 .32   | .38 .31   |

| Catalog Number    | Delivered Lumens | Input Watts | Efficacy lm/W | 8'x8' avg fc | 8'x8' W/sq ft | 8'x10' avg fc | 8'x10' W/sq ft |
|-------------------|------------------|-------------|---------------|--------------|---------------|---------------|----------------|
| 1AVEG32L840-4-ACR | 3168             | 30.7        | 103           | 49.4         | 0.48          | 39.6          | 0.38           |
| 1AVEG38L840-4-ACR | 3908             | 40.4        | 97            | 61.0         | 0.63          | 48.8          | 0.51           |

