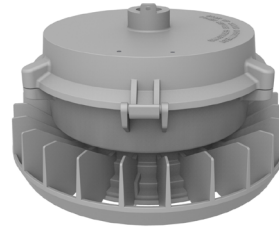
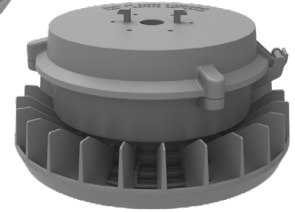


# C4A-L HAZARDOUS LOCATION HIGH BAY

CLASS I, DIVISION 2, GROUPS A, B, C, D  
 CLASS II, DIVISION 1, GROUPS E, F, G  
 CLASS II, DIVISION 2, GROUPS F, G  
 NON RECESSED MARINE LUMINAIRES  
 OUTSIDE TYPE [SALT WATER]



Pendant adapter



Ceiling/Wall stanchion adapter

The C4A-L Hazardous Location LED high bay is designed for installations where moisture dirt dust corrosion and vibration may be present or in NEMA 3 and 4X locations where wind water snow or high ambient tem-

peratures can be expected. The C4A-L is also NEC/CEC certified to be used in hazardous environments where there is presence of flammable vapours or gases or combustible dusts.

## FEATURES AND SPECIFICATIONS

### CONSTRUCTION

#### Housing

- Rugged and resilient housing made of a copper-free aluminum corrosion resistant casting with separated driver compartment for improved thermal management. All exposed fasteners are quality stainless steel as well as high temperature quality silicone gasketing. Available in a grey casting colour and a superior electrostatic powder coating.

#### Temperature ratings

Based on the surface temperature of the fixture;

- Class I Division 2 is rated T4A, except for all the configurations that are 40 W and 347 V (will not exceed 120°C)
- Class II Division 1 Division 2 & Class III are rated T5 (will not exceed 100°C)

#### Ambient operating temperature

-40°C to +55°C

All the configurations 60W and 347 V have an ambient operating temperature of -40°C to +52°C

#### Ambient operating humidity

5% ~ 95% RH

#### Optics

Comes standard with a thermal shock and impact resistant tempered glass lens and is available in a flat or a drop lens. Offered in a clear finish with a 110° beam angle and a diffuse finish is also available in option. The drop lens have a 130° beam angle.

### ELECTRICAL

Available in either S1 [45 W] or S2 [65 W] configurations with a lumen per watt ratio of 118 lm/W to 171 lm/W. Driver input voltage are 120-277 V or 347 V 50/60 Hz are non-dimmable and have 4kV integrated transient surge protection with a power factor >0.95. Durable high powered LUXEON LEDs with solder-less board connections for shock and vibration resistance. The C4A-L is offered in either 3 000, 4 000 or 5 000 K with a colour rendering index [CRI] >70.

### NEC/CEC STANDARDS

#### NEC500/CEC Section 18:

##### Existing plants

Hazloc C

- Class I, Division 2, Groups A, B, C, D
- Class II, Division 1, Groups E, F, G
- Class II, Division 2, Groups F, G

### NEC505/CEC Section 18

#### Zones: New plants

Hazloc C

- Class I, Zone 2, Group IIC
- Zone 21

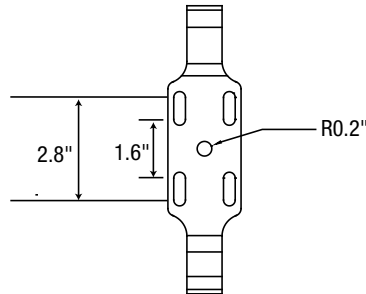
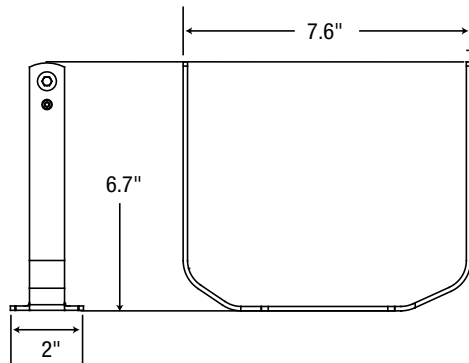
### COMPLIANCES

- Meets requirements of ICES-005 issue 4 for class A products
- 5G vibration resistant in compliance with IEC60598-1 standard, CL-4.20
- IK07 [drop lens]
- IK08 [flat lens]
- UL Standards
- UL1598A
- UL1598
- UL844
- UL8750
- CSA Standards
- CSA C22.2 No.250.0 250.13
- CSA C22.2 No.137

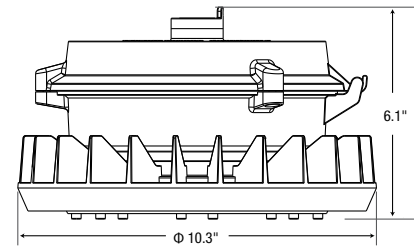
| OVERVIEW          |                                  |                       |                     |
|-------------------|----------------------------------|-----------------------|---------------------|
| LIGHT SOURCE      | LED                              | COLOR TEMPERATURE [K] | 3 000, 4 000, 5 000 |
| WATTS [W]         | 45-65 [120-277 V], 40-60 [347 V] | CRI                   | >70                 |
| LUMEN OUTPUT [LM] | 4 790 - 10 654                   | WEIGHT [LBS]          | 9.26                |
| EFFICACY [LM/W]   | 118 - 171                        |                       |                     |

# C4A-L

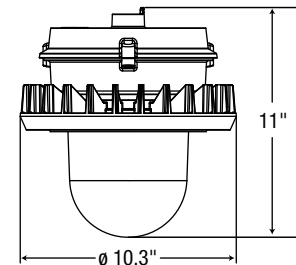
## DIMENSIONS



## WITH FLAT LENS GLASS



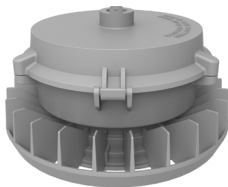
## WITH DROP LENS



| PART NUMBER | NET WEIGHT (LBS) | DIMENSIONS (LXWXH) |
|-------------|------------------|--------------------|
| C4A-LA1     | 9.26             | 10.2 X 5.9"        |
| C4A-LA2     |                  |                    |

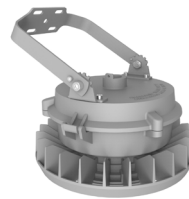
## MOUNTINGS

### PENDANT (STANDARD) MOUNTING ADAPTER "P"



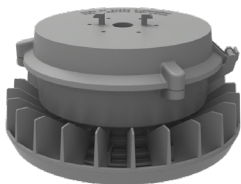
## ACCESSORIES REQUIRED FOR OPTIONAL MOUNTING

### CEILING/ WALL MOUNT

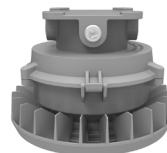


BKT761-HB

### CEILING/WALL STANCHION (OPTIONAL ADAPTER) MOUNTING ADAPTER "J"

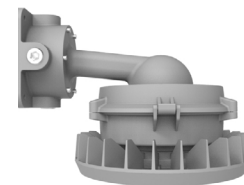


### CEILING MOUNT



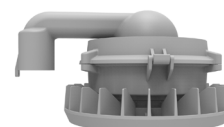
JB018

### WALL MOUNT



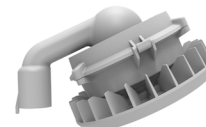
BKT771-25 OR BKT771-90

### POLE MOUNT



BKT773-P166 OR  
BKT773-P1900

### POLE MOUNT



BKT772-P166 OR  
BKT772-P1900

## QUICK SHIP ORDERING GUIDE



| PART NUMBER        | MOUNTING ADAPTER              | WATTS [W] | COLOR TEMP. [K] | LUMEN OUTPUT [LM] | EFFICIACY [LM/W] | CRI | LIFE L70 [HRS] | LM80  | LED CURRENT [MA] | PF   | THD [%] | B.U.G. RATING | BEAM ANGLE [°] | CASE QTY [MASTER] |
|--------------------|-------------------------------|-----------|-----------------|-------------------|------------------|-----|----------------|-------|------------------|------|---------|---------------|----------------|-------------------|
| 120-277 V          |                               |           |                 |                   |                  |     |                |       |                  |      |         |               |                |                   |
| C4A-LA1-2-C/40K-TP | PENDANT                       | 45        | 4 000           | 6 750             | 140              | 70  | 54 000         | 9 000 | 42               | 1.00 | 13      | B4-U0-G1      | 110            | 1                 |
| C4A-LA2-2-C/40K-TP |                               | 65        | 4 000           | 9 750             | 144              | 70  | 54 000         | 9 000 | 43               | 0.99 | 11      | B4-U0-G1      | 110            | 1                 |
| C4A-LA1-2-C/50K-TP |                               | 45        | 5 000           | 6 750             | 150              | 70  | 54 000         | 9 000 | 42               | 1.00 | 13      | B4-U0-G1      | 110            | 1                 |
| C4A-LA2-2-C/50K-TP |                               | 65        | 5 000           | 9 750             | 150              | 70  | 54 000         | 9 000 | 43               | 0.99 | 11      | B4-U0-G1      | 110            | 1                 |
| C4A-LA1-2-C/40K-TJ | CEILING/<br>WALL<br>STANCHION | 45        | 4 000           | 6 750             | 140              | 70  | 54 000         | 9 000 | 42               | 1.00 | 13      | B4-U0-G1      | 110            | 1                 |
| C4A-LA1-2-C/50K-TJ |                               | 45        | 5 000           | 6 750             | 150              | 70  | 54 000         | 9 000 | 42               | 1.00 | 13      | B4-U0-G1      | 110            | 1                 |
| C4A-LA2-2-C/50K-TJ |                               | 65        | 5 000           | 9 750             | 150              | 70  | 54 000         | 9 000 | 43               | 0.99 | 11      | B4-U0-G1      | 110            | 1                 |
| 347 V              |                               |           |                 |                   |                  |     |                |       |                  |      |         |               |                |                   |
| C4A-LA1-8-C/40K-TP | PENDANT                       | 40        | 4 000           | 6 750             | 157              | 70  | 54 000         | 9 000 | 37               | 0.97 | 13      | B4-U0-G1      | 110            | 1                 |
| C4A-LA1-8-C/50K-TP |                               | 40        | 5 000           | 6 750             | 156              | 70  | 54 000         | 9 000 | 37               | 0.97 | 13      | B4-U0-G1      | 110            | 1                 |
| C4A-LA2-8-C/50K-TP |                               | 60        | 5 000           | 9 750             | 171              | 70  | 54 000         | 9 000 | 41               | 0.98 | 11      | B4-U0-G1      | 110            | 1                 |
| C4A-LA1-8-C/40K-TJ | CEILING/<br>WALL<br>STANCHION | 40        | 4 000           | 6 750             | 157              | 70  | 54 000         | 9 000 | 37               | 0.97 | 13      | B4-U0-G1      | 110            | 1                 |
| C4A-LA1-8-C/50K-TJ |                               | 40        | 5 000           | 6 750             | 156              | 70  | 54 000         | 9 000 | 37               | 0.97 | 13      | B4-U0-G1      | 110            | 1                 |
| C4A-LA2-8-C/50K-TJ |                               | 60        | 5 000           | 9 750             | 171              | 70  | 54 000         | 9 000 | 41               | 0.98 | 11      | B4-U0-G1      | 110            | 1                 |

QUICK SHIP: Product availability is subject to change without notice. Please contact your AimLite customer service representative to confirm inventory levels at time of order.

## ORDERING GUIDE

| C4A    | L         |                                                  |                        | C                                                                                          | /                                         |                                                                                                       |                                                                 |
|--------|-----------|--------------------------------------------------|------------------------|--------------------------------------------------------------------------------------------|-------------------------------------------|-------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|
| SERIES | LAMP TYPE | LUMEN PACKAGE [LM]                               | VOLTS [V AC]           | HAZLOC                                                                                     | COLOR TEMP. [K]                           | LENS OPTION                                                                                           | MOUNTING ADAPTER                                                |
| C4A    | L - LED   | A1 - REFER TO A2 - LUMEN CHART TABLE FOR DETAILS | 2 - 120-277<br>8 - 347 | C - CLASS I<br>DIVISION 2<br>CLASS II<br>DIVISION 1<br>CLASS II<br>DIVISION 2<br>CLASS III | 30K - 3 000<br>40K - 4 000<br>50K - 5 000 | D - DIFFUSE<br>TEMPERED GLASS<br>T - TRANSPARENT<br>TEMPERED GLASS<br>L - DROP LENS<br>TEMPERED GLASS | P - NPT 3/4" PENDANT<br>J <sup>1</sup> - CEILING/WALL STANCHION |

<sup>1</sup> See section below titled "Accessories for use with J mounting adapter" to choose your installation option

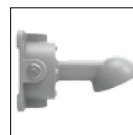
## ACCESSORIES

TO BE USED WITH "J" MOUNTING ADAPTER (ORDER SEPARATELY)

| PART #       | DESCRIPTION                              |
|--------------|------------------------------------------|
| JB018        | JUNCTION BOX NPT 3/4"                    |
| BKT771-25    | WALL MOUNT-25°                           |
| BKT771-90    | WALL MOUNT-90°                           |
| BKT772-P166  | STANCHION-25° [NPT 1.25"]                |
| BKT772-P1900 | STANCHION-25° [NPT 1.50"]                |
| BKT773-P166  | STANCHION-90° [NPT 1.25"]                |
| BKT773-P1900 | STANCHION-90° [NPT 1.50"]                |
| WGD070       | STAINLESS STEEL WIRE GUARD               |
| WGD071       | STAINLESS STEEL WIRE GUARD FOR DROP LENS |
| HAR1056      | STAINLESS STEEL SAFETY CABLE KIT         |



**JB018**  
Junction box  
NPT 3/4"



**BKT771-25**  
Wall mount 25°



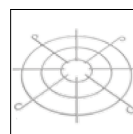
**BKT771-90**  
Wall mount 90°



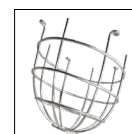
**BKT772-P166 OR  
BKT772-P1900**  
Stanchion-25°



**BKT773-P166 OR  
BKT773-P1900**  
Stanchion-90°



**WGD070**  
Stainless steel  
wire guard



**WGD071**  
Stainless steel wire  
guard for drop lens



**HAR1056**  
Stainless steel  
safety cable kit

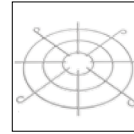
## ACCESSOIRES

TO BE USED WITH “P” MOUNTING ADAPTER (ORDER SEPARATELY)

| PART #    | DESCRIPTION                              |
|-----------|------------------------------------------|
| BKT761-HB | U-BRACKET (SUS 304)                      |
| WG0070    | STAINLESS STEEL WIRE GUARD               |
| WG0071    | STAINLESS STEEL WIRE GUARD FOR DROP LENS |
| HAR1056   | STAINLESS STEEL SAFETY CABLE KIT         |



**BKT761-HB**  
U-Bracket  
(SUS 304)



**WG0070**  
Stainless steel  
wire guard



**WG0071**  
Stainless steel  
wire guard for  
drop lens



**HAR1056**  
Stainless steel  
safety cable kit

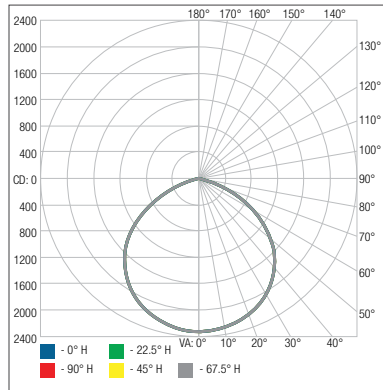
## TECHNICAL SPECIFICATION TABLE

| ELECTRICAL DATA |                 |             |                        |              |              |     |                          |                         |                      |       |      |            |               |
|-----------------|-----------------|-------------|------------------------|--------------|--------------|-----|--------------------------|-------------------------|----------------------|-------|------|------------|---------------|
| PACKAGE         | VOLTS<br>(V AC) | LENS TYPE   | LED<br>CURRENT<br>[MA] | # OF<br>LEDS | WATTS<br>[W] | CRI | LUMENS<br>OUTPUT<br>[LM] | EFFI-<br>CIENCY<br>LM/W | LIFE<br>L70<br>[HRS] | LM80  | PF   | THD<br>[%] | BUG<br>RATING |
| 3 000 K         |                 |             |                        |              |              |     |                          |                         |                      |       |      |            |               |
| A1              | 120-277         | TRANSPARENT | 42                     | 40           | 45           | 70  | 6 483                    | 140                     | 54 000               | 9 000 | 1.00 | 13         | B4-U0-G1      |
|                 | 347             |             | 37                     | 40           | 40           | 70  | 5 752                    | 144                     | 54 000               | 9 000 | 0.97 | 13         | B4-U0-G1      |
| A2              | 120-277         |             | 43                     | 60           | 65           | 70  | 9 620                    | 148                     | 54 000               | 9 000 | 1.00 | 11         | B4-U0-G1      |
|                 | 347             |             | 41                     | 60           | 60           | 70  | 9 151                    | 155                     | 54 000               | 9 000 | 0.98 | 11         | B4-U0-G1      |
| A1              | 120-277         | DIFFUSE     | 42                     | 40           | 45           | 70  | 5 447                    | 121                     | 54 000               | 9 000 | 1.00 | 13         | B4-U0-G1      |
|                 | 347             |             | 37                     | 40           | 40           | 70  | 4 943                    | 132                     | 54 000               | 9 000 | 0.97 | 13         | B4-U0-G1      |
| A2              | 120-277         |             | 43                     | 60           | 65           | 70  | 8 062                    | 124                     | 54 000               | 9 000 | 0.99 | 11         | B4-U0-G1      |
|                 | 347             |             | 41                     | 60           | 60           | 70  | 7 795                    | 132                     | 54 000               | 9 000 | 0.98 | 11         | B4-U0-G1      |
| A1              | 120-277         | DROP LENS   | 42                     | 40           | 45           | 70  | 5 520                    | 129                     | 54 000               | 9 000 | 1.00 | 13         | B4-U0-G1      |
|                 | 347             |             | 37                     | 40           | 40           | 70  | 4 790                    | 120                     | 54 000               | 9 000 | 0.97 | 13         | B4-U0-G1      |
| A2              | 120-277         |             | 43                     | 60           | 65           | 70  | 8 193                    | 125                     | 54 000               | 9 000 | 0.99 | 11         | B4-U0-G1      |
|                 | 347             |             | 41                     | 60           | 60           | 70  | 7 554                    | 127                     | 54 000               | 9 000 | 0.98 | 11         | B4-U0-G1      |
| 4 000 K         |                 |             |                        |              |              |     |                          |                         |                      |       |      |            |               |
| A1              | 120-277         | DIFFUSE     | 42                     | 40           | 45           | 70  | 5 295                    | 118                     | 54 000               | 9 000 | 1.00 | 13         | B4-U0-G1      |
|                 | 347             |             | 37                     | 40           | 40           | 70  | 5 353                    | 135                     | 54 000               | 9 000 | 0.97 | 13         | B4-U0-G1      |
| A2              | 120-277         |             | 43                     | 60           | 65           | 70  | 7 963                    | 123                     | 54 000               | 9 000 | 0.99 | 11         | B4-U0-G1      |
|                 | 347             |             | 41                     | 60           | 60           | 70  | 8 533                    | 146                     | 54 000               | 9 000 | 0.98 | 11         | B4-U0-G1      |
| A1              | 120-277         | DROP LENS   | 42                     | 40           | 45           | 70  | 5 963                    | 140                     | 54 000               | 9 000 | 1.00 | 13         | B4-U0-G1      |
|                 | 347             |             | 37                     | 40           | 40           | 70  | 5 164                    | 130                     | 54 000               | 9 000 | 0.97 | 13         | B4-U0-G1      |
| A2              | 120-277         |             | 43                     | 60           | 65           | 70  | 8 935                    | 137                     | 54 000               | 9 000 | 0.99 | 11         | B4-U0-G1      |
|                 | 347             |             | 41                     | 60           | 60           | 70  | 8 273                    | 141                     | 54 000               | 9 000 | 0.98 | 11         | B4-U0-G1      |
| 5 000 K         |                 |             |                        |              |              |     |                          |                         |                      |       |      |            |               |
| A1              | 120-277         | DIFFUSE     | 42                     | 40           | 45           | 70  | 5 767                    | 128                     | 54 000               | 9 000 | 1.00 | 16         | B4-U0-G1      |
|                 | 347             |             | 37                     | 40           | 40           | 70  | 5 248                    | 133                     | 54 000               | 9 000 | 0.89 | 16         | B4-U0-G1      |
| A2              | 120-277         |             | 43                     | 60           | 65           | 70  | 8 642                    | 133                     | 54 000               | 9 000 | 0.99 | 9          | B4-U0-G1      |
|                 | 347             |             | 41                     | 60           | 60           | 70  | 8 539                    | 146                     | 54 000               | 9 000 | 0.89 | 9          | B4-U0-G1      |
| A1              | 120-277         | DROP LENS   | 42                     | 40           | 45           | 70  | 5 760                    | 137                     | 54 000               | 9 000 | 1.00 | 13         | B4-U0-G1      |
|                 | 347             |             | 37                     | 40           | 40           | 70  | 5 063                    | 129                     | 54 000               | 9 000 | 0.97 | 13         | B4-U0-G1      |
| A2              | 120-277         |             | 43                     | 60           | 65           | 70  | 8 961                    | 138                     | 54 000               | 9 000 | 0.99 | 11         | B4-U0-G1      |
|                 | 347             |             | 41                     | 60           | 60           | 70  | 8 262                    | 141                     | 54 000               | 9 000 | 0.98 | 11         | B4-U0-G1      |

## PHOTOMETRIC DATA<sup>1</sup>

**C4A-LA1-2-C/40K-T • 6 289.0 LM**

### POLAR CANDELA DISTRIBUTION



### ZONAL LUMEN SUMMARY

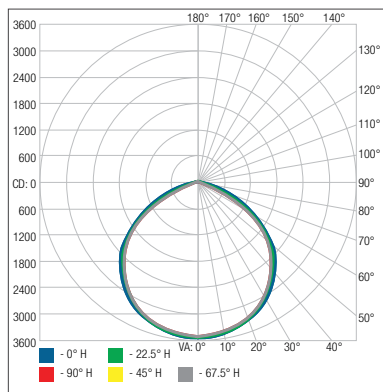
| ZONE  | LUMENS  | % FIXTURE |
|-------|---------|-----------|
| 0-30  | 1 829.0 | 29.1      |
| 0-40  | 3 018.5 | 48        |
| 0-60  | 5 338.3 | 84.9      |
| 60-90 | 950.6   | 15.1      |
| 0-90  | 6 289.0 | 100       |

### ILLUMINANCE AT A DISTANCE

| CENTER BEAM FC                                          |      |  | BEAM WIDTH |       |
|---------------------------------------------------------|------|-------------------------------------------------------------------------------------|------------|-------|
| 1.7'                                                    | 804  |                                                                                     | 5.1'       | 5.0'  |
| 3.3'                                                    | 213  |                                                                                     | 9.9'       | 9.6'  |
| 5.0'                                                    | 93.0 |                                                                                     | 14.9'      | 14.6' |
| 6.7'                                                    | 51.8 |                                                                                     | 20.0'      | 19.5' |
| 8.3'                                                    | 33.7 |                                                                                     | 24.8'      | 24.2' |
| 10.0'                                                   | 23.2 |                                                                                     | 29.9'      | 29.2' |
| <div>■ Vert. Spread: 112.4° ■ Hor. Spread: 111.1°</div> |      |                                                                                     |            |       |

**C4A-LA2-2-C/40K-T • 9 337.9 LM**

### POLAR CANDELA DISTRIBUTION



### ZONAL LUMEN SUMMARY

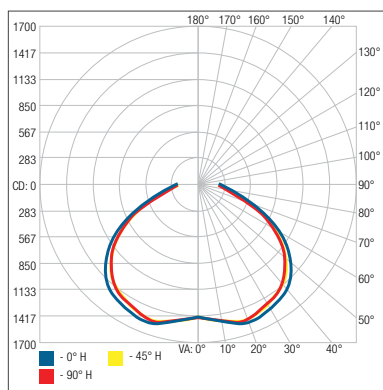
| ZONE  | LUMENS  | % FIXTURE |
|-------|---------|-----------|
| 0-30  | 2 777.8 | 29.7      |
| 0-40  | 4 572.2 | 49        |
| 0-60  | 8 007.4 | 85.8      |
| 60-90 | 1 330.4 | 14.2      |
| 0-90  | 9 337.9 | 100       |

### ILLUMINANCE AT A DISTANCE

| CENTER BEAM FC                                          |       |  | BEAM WIDTH |       |
|---------------------------------------------------------|-------|--------------------------------------------------------------------------------------|------------|-------|
| 1.7'                                                    | 1 230 |                                                                                      | 5.1'       | 4.7'  |
| 3.3'                                                    | 326   |                                                                                      | 9.9'       | 9.1'  |
| 5.0'                                                    | 142   |                                                                                      | 15.1'      | 13.8' |
| 6.7'                                                    | 79.2  |                                                                                      | 20.2'      | 18.5' |
| 8.3'                                                    | 51.6  |                                                                                      | 25.0'      | 22.9' |
| 10.0'                                                   | 35.5  |                                                                                      | 30.1'      | 27.6' |
| <div>■ Vert. Spread: 112.8° ■ Hor. Spread: 108.2°</div> |       |                                                                                      |            |       |

**C4A-LA1-2-C-40K-L • 5 962.9 LM**

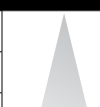
### POLAR CANDELA DISTRIBUTION



### ZONAL LUMEN SUMMARY

| ZONE  | LUMENS  | % FIXTURE |
|-------|---------|-----------|
| 0-30  | 1 294.9 | 21.7      |
| 0-40  | 2 236.8 | 37.5      |
| 0-60  | 4 340.1 | 72.8      |
| 60-90 | 1 622.8 | 27.2      |
| 0-90  | 5 962.9 | 100       |

### ILLUMINANCE AT A DISTANCE

| CENTER BEAM FC                               |      |                                                                                       | BEAM WIDTH |       |
|----------------------------------------------|------|---------------------------------------------------------------------------------------|------------|-------|
| 17.0'                                        | 4.98 |  | 67.0'      | 73.8  |
| 34.0'                                        | 1.24 |                                                                                       | 134.1'     | 147.6 |
| 51.0'                                        | 0.55 |                                                                                       | 201.1'     | 221.5 |
| 68.0'                                        | 0.31 |                                                                                       | 268.2'     | 295.3 |
| 85.0'                                        | 0.20 |                                                                                       | 335.2'     | 369.1 |
| 102.0'                                       | 0.14 |                                                                                       | 402.3'     | 442.9 |
| ■ Vert. Spread: 126.2° ■ Hor. Spread: 130.5° |      |                                                                                       |            |       |

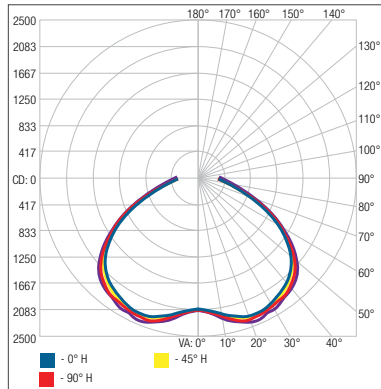
<sup>1</sup> Complete IES files available on our website.

# C4A-L

## PHOTOMETRIC DATA<sup>1</sup> (CONT'D)

C4A-LA2-2-C-40K-L • 8 934.6 LM

### POLAR CANDELA DISTRIBUTION



### ZONAL LUMEN SUMMARY

| ZONE  | LUMENS  | % FIXTURE |
|-------|---------|-----------|
| 0-30  | 1 940.3 | 21.7      |
| 0-40  | 3 359.0 | 37.6      |
| 0-60  | 6 502.7 | 72.8      |
| 60-90 | 2 431.9 | 27.2      |
| 0-90  | 8 934.6 | 100       |

### ILLUMINANCE AT A DISTANCE

| CENTER BEAM FC |      | BEAM WIDTH |        |
|----------------|------|------------|--------|
| 17.0'          | 7.21 | 67.6'      | 67.8'  |
| 34.0'          | 1.80 | 135.3'     | 135.6' |
| 51.0'          | 0.80 | 202.9'     | 203.4' |
| 68.0'          | 0.45 | 270.6'     | 271.2' |
| 85.0'          | 0.29 | 338.2'     | 339.0' |
| 102.0'         | 0.20 | 405.9'     | 406.8' |

■ Vert. Spread: 126.6° ■ Hor. Spread: 126.7°

<sup>1</sup> Complete IES files available on our website.

All products are subject to change or may be discontinued any time without notice.  
Please consult our chemical resistance guide to ensure selection of the proper product for your application.