



MS IEC 60598-2-2  
MS IEC 60598-1  
PS008206



# AURORAS LED

## SAC Recessed T-Bar Mounted - Hinged Diffused Series (HD)

### Features

Designed for exposed T-bar ceiling grid. Diffuser designed in normal hinged for either side for easy maintenance. Provided even light distribution glare control and maximum light transmission, combined with a vary low luminosity at angle approaching the horizontal surface. This range was designed to minimize glare and maximize light output and visual comfort together with a good degree of protection.

### Applications

Ideal for technical workshop, laboratories, office and supermarkets.

### Optional Features / Accessories

1-10V Dimming Control

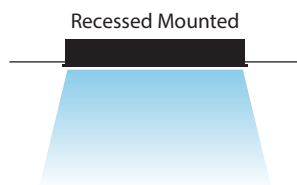


### TM5 Utilisation Factor Table

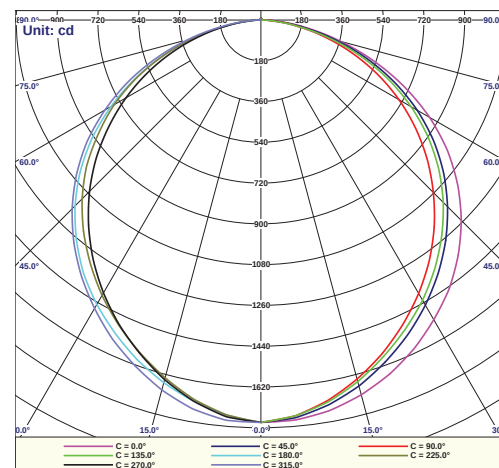
| Reflectance          |      |       | Room Index (K) |      |      |      |      |      |      |      |      |
|----------------------|------|-------|----------------|------|------|------|------|------|------|------|------|
| Ceiling              | Wall | Floor | 0.75           | 1.00 | 1.25 | 1.50 | 2.00 | 2.50 | 3.00 | 4.00 | 5.00 |
| 0.70                 | 0.50 | 0.20  | 0.56           | 0.67 | 0.74 | 0.79 | 0.87 | 0.92 | 0.95 | 1.00 | 1.03 |
| 0.70                 | 0.30 | 0.20  | 0.48           | 0.59 | 0.67 | 0.72 | 0.81 | 0.86 | 0.90 | 0.96 | 1.00 |
| 0.70                 | 0.10 | 0.20  | 0.43           | 0.53 | 0.61 | 0.67 | 0.76 | 0.82 | 0.86 | 0.92 | 0.96 |
| 0.50                 | 0.50 | 0.20  | 0.54           | 0.64 | 0.71 | 0.77 | 0.84 | 0.88 | 0.92 | 0.96 | 0.99 |
| 0.50                 | 0.30 | 0.20  | 0.47           | 0.58 | 0.65 | 0.71 | 0.78 | 0.84 | 0.87 | 0.93 | 0.96 |
| 0.50                 | 0.10 | 0.20  | 0.42           | 0.52 | 0.60 | 0.66 | 0.74 | 0.80 | 0.84 | 0.90 | 0.93 |
| 0.30                 | 0.50 | 0.20  | 0.53           | 0.62 | 0.69 | 0.74 | 0.81 | 0.85 | 0.88 | 0.92 | 0.95 |
| 0.30                 | 0.30 | 0.20  | 0.47           | 0.57 | 0.64 | 0.69 | 0.76 | 0.81 | 0.85 | 0.89 | 0.92 |
| 0.30                 | 0.10 | 0.20  | 0.42           | 0.52 | 0.59 | 0.65 | 0.72 | 0.78 | 0.82 | 0.87 | 0.90 |
| 0.00                 | 0.00 | 0.00  | 0.40           | 0.49 | 0.56 | 0.62 | 0.69 | 0.74 | 0.78 | 0.82 | 0.85 |
| Distribution Factors |      |       | Floor:         | 0.40 | 0.49 | 0.56 | 0.62 | 0.69 | 0.74 | 0.78 | 0.82 |
|                      |      |       | Wall:          | 0.59 | 0.50 | 0.43 | 0.37 | 0.30 | 0.25 | 0.21 | 0.17 |
|                      |      |       | Ceiling:       | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| BZ Numbers:          |      |       | 5              | 5    | 5    | 5    | 5    | 4    | 4    | 4    | 4    |

SHR Nominal = 1.25:1 SHR Maximum = 1.46:1

### Mounting



### Lighting Data



Luminous intensity values are shown radially from centre.  
Elevation angle values are shown around the outside of the graph.  
Report Number: (2024EB0189)



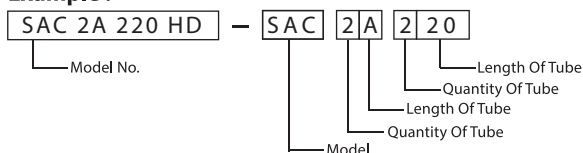
## Specifications

| Model                        | SAC 2A 220 (HD) (1X2)    | SAC 2A 220 (HD) | SAC 3A 320 (HD) | SAC 2C 240 (HD) (1X4) | SAC 2C 240 (HD) | SAC 3C 340 (HD) |
|------------------------------|--------------------------|-----------------|-----------------|-----------------------|-----------------|-----------------|
| Nominal Power                | 16W                      | 16W             | 24W             | 28W                   | 28W             | 42W             |
| Nominal System Lumen Output  | 1700 lm                  | 1654 lm         | 2448 lm         | 2808 lm               | 3422 lm         | 4934 lm         |
| Nominal System Efficacy      | 106 lm/W                 | 102 lm/W        | 100 lm/W        | 102 lm/W              | 120 lm/W        | 118 lm/W        |
| Light Source                 | SJ Lite T8 LED Tube (HE) |                 |                 |                       |                 |                 |
| Colour Temperature (CCT)     | 3000K/4000K/6500K        |                 |                 |                       |                 |                 |
| Input Voltage                | 240V~50Hz                |                 |                 |                       |                 |                 |
| Colour Rendering Index (CRI) | >80                      |                 |                 |                       |                 |                 |
| Luminaire Rated Life         | 50,000hrs (L70B50)       |                 |                 |                       |                 |                 |
| Operating Temperature        | -20°C ~ +45°C            |                 |                 |                       |                 |                 |
| Power Factor                 | >0.9PF                   |                 |                 |                       |                 |                 |
| Total Harmonic Distortion    | ≤20%                     |                 |                 |                       |                 |                 |
| Insulation Class             | Class I                  |                 |                 |                       |                 |                 |
| Housing Material             | Cold Roll Steel          |                 |                 |                       |                 |                 |
| Ingress Protection           | IP20                     |                 |                 |                       |                 |                 |

## Order Reference

| Model | Quantity Of Tube | Length Of Tube |
|-------|------------------|----------------|
| SAC   | 1                | A (2ft)        |
|       | 2                | C (4ft)        |
|       | 3                |                |
|       | 4                |                |

### Example :



## Order Information

| Model No.             | No. Of Lamp | L(mm) | L1(mm) | W(mm) | H(mm) |
|-----------------------|-------------|-------|--------|-------|-------|
| SAC 2A 220 (HD) (1x2) | 2           | 600   | 612    | 302   | 90    |
| SAC 2A 220 (HD)       | 2           | 600   | 612    | 600   | 90    |
| SAC 3A 320 (HD)       | 3           | 600   | 612    | 600   | 90    |
| SAC 2C 240 (HD) (1X4) | 2           | 1210  | 1222   | 302   | 90    |
| SAC 2C 240 (HD)       | 2           | 1210  | 1222   | 600   | 90    |
| SAC 3C 340 (HD)       | 3           | 1210  | 1222   | 600   | 90    |

Note : Subject to +/- 1.5mm

\*Other various types are available upon request.

## Dimensions

