

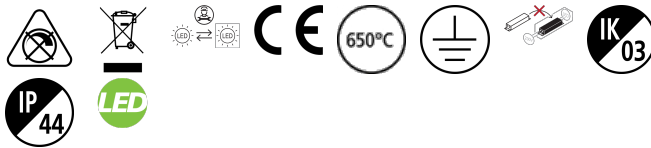
## START Surface IP44 DualTone

START Surface IP44 1025lm 830/840 DualTone  
0043426



### Características del producto

- Ceiling / wall luminaire with integrated LED. Perfect solution for hallways, circulation spaces or foyer. Even and uniform light distribution with a halo lighting effect on the wall surface. Body Size diameter 250mm. Besa mounting box compatible, hole distance 51mm. DualTone functionality enables switch between 3000K and 4000K colour temperatures. Power 12W, output 1025 lumens (4000K). Non-dimmable. IK03, IP44. Low maintenance with lifespan 90,000 hours L70:B50.



### DESCRIPCIÓN DEL PRODUCTO

|                                                    |                                            |
|----------------------------------------------------|--------------------------------------------|
| Nombre del producto                                | START Surface IP44 1025lm 830/840 DualTone |
| Tecnología                                         | LED                                        |
| Cap/Base                                           | N/A                                        |
| Housing                                            | Steel                                      |
| Montaje                                            | Ceiling surface mounting                   |
| General application                                | Hospitality                                |
| ETIM Class                                         | EC002892                                   |
| FI del número electrónico                          | 4170569                                    |
| Warranty                                           | 3 years                                    |
| Fixture luminous flux (lm)                         | 1025                                       |
| Luminaire efficacy (lm/W)                          | 85                                         |
| Temperatura de color (K)                           | 4000                                       |
| Color de la luz                                    | Amber White or Neutral White               |
| IRC (Ra)                                           | 80                                         |
| Variación de color inicial tras el incendio (SDCM) | SDCM6                                      |
| Beam Angle (°)                                     | 120                                        |
| Grupo de riesgo fotobiológico                      | RG0                                        |
| Consumo total de energía (W)                       | 12                                         |
| Electrical protection                              | Class I                                    |
| Tipo de sistema de control                         | LED driver constant current                |
| Dimmable                                           | No                                         |
| Minimum dimming level (%)                          | 100                                        |
| LED Flickering Rate                                | High (>40%)                                |
| Color carcasa luminaria                            | White                                      |
| IP rating                                          | IP44                                       |
| IK rating                                          | IK03                                       |
| Product EAN number                                 | 5410288434261                              |
| Dimming method                                     | N/A                                        |

### TABLA DE DATOS

#### Informacion General

|                     |                                            |
|---------------------|--------------------------------------------|
| Nombre del producto | START Surface IP44 1025lm 830/840 DualTone |
|---------------------|--------------------------------------------|

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|                                         |                          |
|-----------------------------------------|--------------------------|
| Tecnología                              | LED                      |
| Cap/Base                                | N/A                      |
| Housing                                 | Steel                    |
| Montaje                                 | Ceiling surface mounting |
| General application                     | Hospitality              |
| Operating temperature range (°C)        | -20°C - 40°C             |
| Performance ambient temperature Tq (°C) | 25                       |
| ETIM Class                              | EC002892                 |
| FI del número electrónico               | 4170569                  |
| Warranty                                | 3 years                  |

### Datos ópticos

|                                                    |                              |
|----------------------------------------------------|------------------------------|
| Fixture luminous flux (lm)                         | 1025                         |
| Luminaire efficacy (lm/W)                          | 85                           |
| Temperatura de color (K)                           | 4000                         |
| Correlated colour temperature range (K)            | 3000 - 4000                  |
| Color de la luz                                    | Amber White or Neutral White |
| IRC (Ra)                                           | 80                           |
| Variación de color inicial tras el incendio (SDCM) | SDCM6                        |
| Beam Angle (°)                                     | 120                          |
| Distribution type                                  | Diffuse                      |
| Grupo de riesgo fotobiológico                      | RG0                          |

### Datos eléctricos

|                                                                |                             |
|----------------------------------------------------------------|-----------------------------|
| Consumo total de energía (W)                                   | 12                          |
| Tensión de red (V)                                             | 220-240V                    |
| Lamp power factor                                              | 0.8                         |
| THD (at 230 V, 50 Hz, full load, at 100% dimming level) xx.x % | 65                          |
| Electrical protection                                          | Class I                     |
| Tipo de sistema de control                                     | LED driver constant current |
| Dimmable                                                       | No                          |
| Minimum dimming level (%)                                      | 100                         |
| Drive current (mA)                                             | 38                          |
| Corriente de irrupción (A)                                     | 0.5                         |
| Duración de irrupción                                          | 30                          |
| Glow Wire Test (°C)                                            | 650                         |
| Energy Efficiency Class (A->G) of contained light source       | F                           |
| Nominal Frequency (Hz)                                         | 50/60Hz                     |
| LED Flickering Rate                                            | High (>40%)                 |
| Luminarias máximas por 10A C Interruptor automático            | 60                          |
| Max. Luminaires per 13A C Breaker                              | 78                          |
| Luminarias máximas por 16A C Interruptor automático            | 96                          |
| Max. Luminaires per 20A C Breaker                              | 120                         |
| Max. Luminaires per 10A B Breaker                              | 36                          |
| Max. Luminaires per 13A B Breaker                              | 47                          |

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|                                   |    |
|-----------------------------------|----|
| Max. Luminaires per 16A B Breaker | 58 |
| Max. Luminaires per 20A B Breaker | 72 |

### Información de vida útil

|                           |       |
|---------------------------|-------|
| Vida útil media - L70 B50 | 90000 |
| Vida media - L80/B50      | 90000 |
| Vida media - L90/B50      | 48000 |

### Datos físicos

|                               |               |
|-------------------------------|---------------|
| Color carcasa luminaria       | White         |
| IP rating                     | IP44          |
| IK rating                     | IK03          |
| Diffuser finish               | Opal          |
| Diffuser material             | Polypropylene |
| Nominal Product Height (mm)   | 80            |
| Nominal Product Diameter (mm) | 250           |
| Peso (kg)                     | 0.25          |

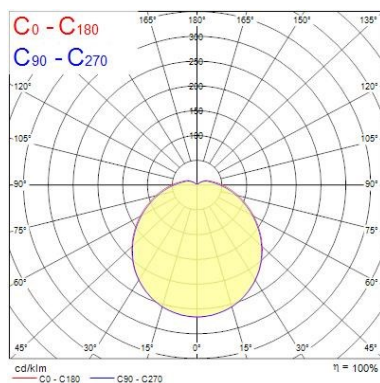
### Empaquetado

|                                      |                |
|--------------------------------------|----------------|
| Descripción del paquete              | Carton         |
| Product EAN number                   | 5410288434261  |
| Longitud del embalaje individual(cm) | 25.2           |
| Anchura única del embalaje (cm)      | 8.3            |
| Packaging single depth (cm)          | 25.2           |
| DUN14 (outer)                        | 15410288434268 |
| Cantidad del embalaje por cajas      | 6              |
| Packaging outer length / height (cm) | 54.6           |
| Packaging outer width (cm)           | 28.5           |
| Packaging outer depth (cm)           | 29.0           |

### Información de seguridad

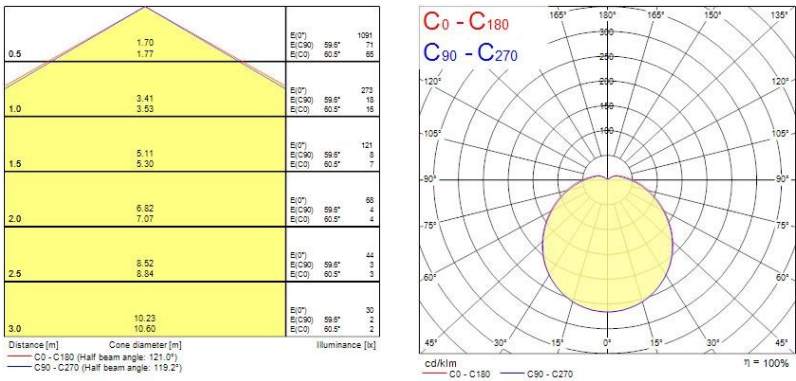
|                                            |        |
|--------------------------------------------|--------|
| Condiciones óptimas de funcionamiento (°C) | -20-40 |
|--------------------------------------------|--------|

## FOTOMETRÍA



| Distance [m] | Cone diameter [m] | Half beam angle [°] | Illuminance [lx] |
|--------------|-------------------|---------------------|------------------|
| 0.5          | 1.70              | 121.0°              | 990              |
|              | 1.77              | 59.8°               | 64               |
|              |                   | 60.5°               | 59               |
| 1.0          | 3.41              | 59.8°               | 247              |
|              | 3.53              | 59.8°               | 18               |
|              |                   | 60.5°               | 15               |
| 1.5          | 5.11              | 59.8°               | 110              |
|              | 5.30              | 59.8°               | 7                |
|              |                   | 60.5°               | 7                |
| 2.0          | 6.82              | 59.8°               | 62               |
|              | 7.07              | 59.8°               | 4                |
|              |                   | 60.5°               | 4                |
| 2.5          | 8.52              | 59.8°               | 40               |
|              | 8.84              | 59.8°               | 3                |
|              |                   | 60.5°               | 3                |
| 3.0          | 10.23             | 59.8°               | 31               |
|              | 10.60             | 59.8°               | 2                |
|              |                   | 60.5°               | 2                |

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DIBUJOS TÉCNICOS

