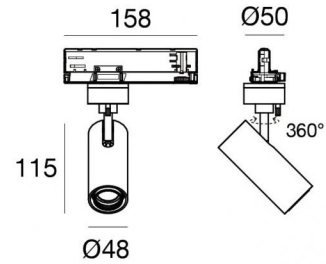




Proyectores | 198-264 V  
1 arrayLED 13 W DC - 15.5 W AC | CRI 90  
**82227W30**



| Datos técnicos  |                  |
|---|------------------|
| Tipo  | Carril           |
| Posición de instalación                                   | Techo            |
| Ambiente de instalación                                   | Interiores       |
| Fuente de luz   | LED              |
| Circuit structure   | arrayLED         |
| Óptica  | Flood            |
| Light emission direction                                  | frontal          |
| Potencia nominal  | 13 W DC          |
| Poder total   | 15.5 W           |
| Flujo luminoso (fuente)                                   | 1578 lm          |
| Tensión nominal de entrada                                | 220 - 240 V AC   |
| Rango de voltaje de entrada                               | 198 - 264 V AC   |
| Frequency   | 50 - 60 Hz       |
| CCT / Tone  | 3000 K           |
| Índice de rendimientos cromático                          | 90 Ra            |
| C.C. / C.V.   | AC               |
| Clase de aislamiento                                      | 2                |
| IP  | IP20             |
| Test del hilo incandescente                               | 850°             |
| Montaje directo sobre superficies normalmente inflamables | Sí               |
| CE  | Sí               |
| Driver incluido.  | driver           |
| Artículo regulable  | Dimming on Board |
| Orientabilidad  | Orientabile      |
| ángulo total (plano vertical)                             | 90 °             |
| ángulo total (plano horizontal)                           | 360 °            |
| Basculación   | No               |
| Practicabilidad   | No               |
| Transitabilidad   | No               |
| Cable incluido.   | No               |
| Resinado  | No               |
| Tipología de emisión luminosa                             | Una emisión      |
| Peso neto   | 0.39 Kg          |
| Protección descargas electrostáticas                      | Sí               |
| Protección contra sobretensiones                          | 2 KV             |
| Tecnología óptica   | Anti - Glare     |

| Acabado cuerpo |                                |
|----------------|--------------------------------|
| Material       | Aluminio fundido EN AB - 46100 |
| Color          | Blanco                         |
| Elaboración    | Recubrimiento en polvo         |



Proyectores | 198-264 V | 1 arrayLED 13 W DC - 15.5 W AC | CRI 90  
**82227W30**

Single emission projectors for indoor application. The warm white LED light source with a flood light distribution is composed of 1 arrayed LEDs with CCT of 3000 K and a CRI 90; the source luminous flux is 1578 lm, with a 121.4 lm/W nominal luminous efficacy.

The device body is made of die-cast aluminium en ab - 46100 and features a white finish, processed by means of powder coating. The ingress protection degree is IP20; the total weight is of 0.39 kg.

The total absorbed power is 15.5 W.

The device features protection class II and can be ceiling-mounted.

Compliant with the EN 60598-1 standard and its specific provisions.

### Clase de eficiencia energética

Este producto contiene una fuente de luz de clase de eficiencia energética E.

### Características Luminotécnicas

|   |                |
|---|----------------|
| Light Output Ratio (LOR)                      | 70 %           |
| Flujo luminoso (fuente)                       | 1578 lm        |
| Flujo luminoso de luminaria                   | 1105 lm        |
| Consumption                                   | 15.5 W         |
| Rendimiento luminoso de las luminarias        | 71 lm/W        |
| Temperatura de color                          | 3000 K         |
| Standard Deviation of Colour Matching         | 2 Step MacAdam |
| Índice de rendimientos cromático              | 90 Ra          |
| Colour Rendering Index                        | 60 R9          |
| Black Body Locus                              | On             |
| Temperatura estándar del ambiente de servicio | -20 / +50°C    |
| Temperatura típica sobre el vidrio            | 40°C           |

### LED Life / Failure Ratio

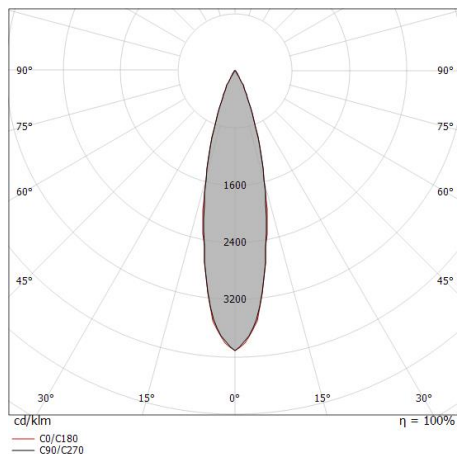
L70 B10 C0 252000h (at Tj 65 Ta 25)

### UGR

|                   |          |
|-------------------|----------|
| UGR axial         | 16.4     |
| UGR transversal   | 16.1     |
| X=4H   Y=8H       | S=0.25H  |
| Reflection factor | 70/50/20 |

### OPTICAL

|                |     |
|----------------|-----|
| Óptica C0/C180 | 25° |
| Symmetrical    |     |



| Distance [m] | Cone diameter [m] | illuminance [lx]                                     |
|--------------|-------------------|--|
| 0.5          | 0.23<br>0.23      | E(0°) 17303<br>E(C90) 12.7° 8086<br>E(C0) 13.1° 8050 |
| 1.0          | 0.45<br>0.47      | E(0°) 4326<br>E(C90) 12.7° 2022<br>E(C0) 13.1° 2012  |
| 1.5          | 0.68<br>0.70      | E(0°) 1923<br>E(C90) 12.7° 998<br>E(C0) 13.1° 894    |
| 2.0          | 0.90<br>0.93      | E(0°) 1081<br>E(C90) 12.7° 505<br>E(C0) 13.1° 503    |
| 2.5          | 1.13<br>1.16      | E(0°) 692<br>E(C90) 12.7° 323<br>E(C0) 13.1° 322     |
| 3.0          | 1.35<br>1.40      | E(0°) 481<br>E(C90) 12.7° 225<br>E(C0) 13.1° 224     |

— C0/C180 (Half-peak divergence: 26.2°)  
 — C90/C270 (Half-peak divergence: 25.4°)





Óptica  
Distribución de la luz: spot,Material de revestimiento: policarbonato resistente a los rayos uv

**Code**  
99805



Óptica  
Distribución de la luz: medium flood,Material de revestimiento: ,policarbonato resistente a los rayos uv,policarbonato resistente a los rayos uv,policarbonato resistente a los rayos uv

**Code**  
99806



Óptica  
Distribución de la luz: flood,Material de revestimiento: ,policarbonato resistente a los rayos uv,policarbonato resistente a los rayos uv,policarbonato resistente a los rayos uv

**Code**  
99807



antideslumbramiento  
Tipo antideslumbrante: schermo cilindrico 45°.  
Material:Pom-C, color:Negro.

**Code**  
99773



antideslumbramiento  
Tipo antideslumbrante: schermo cilindrico.  
Material:Pom-C, color:Negro.

**Code**  
99774



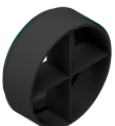
Difusor  
Tipo de difusor: filtro ellittico.  
Material:Pom-C, color:Negro.

**Code**  
99775



antideslumbramiento  
Tipo antideslumbrante: louvre de nido de abeja.  
Material:Pom-C, color:Negro.

**Code**  
99776



antideslumbramiento  
Tipo antideslumbrante: frangiluce a croce.  
Material:Pom-C, color:Negro.

**Code**  
99777



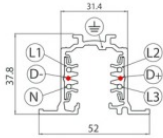
|  |  |  |   |
|--|--|--|---|
|  |  | <p>Carril<br/>Largo: 1000mm; Tipo carril: Standard.<br/>Material:aluminio, color:Blanco, elaboración :Pintura.</p> | <p><b>Finish</b><br/>White</p> <p><b>Code</b><br/>83336</p> |
|  |  | <p>Carril<br/>Largo: 2000mm; Tipo carril: Standard.<br/>Material:aluminio, color:Blanco, elaboración :Pintura.</p> | <p><b>Finish</b><br/>White</p> <p><b>Code</b><br/>83337</p> |
|  |  | <p>Carril<br/>Largo: 2000mm; Tipo carril: Standard.<br/>Material:aluminio, color:Blanco, elaboración :Pintura.</p> | <p><b>Finish</b><br/>White</p> <p><b>Code</b><br/>80991</p> |
|  |  | <p>Carril<br/>Largo: 2000mm; Tipo carril: Standard.<br/>Material:aluminio, color:Negro, elaboración :Pintura.</p>  | <p><b>Finish</b><br/>Black</p> <p><b>Code</b><br/>83340</p> |
|  |  | <p>Carril<br/>Largo: 3000mm; Tipo carril: Standard.<br/>Material:aluminio, color:Negro, elaboración :Pintura.</p>  | <p><b>Finish</b><br/>Black</p> <p><b>Code</b><br/>80995</p> |
|  |  | <p>Fuente de alimentación<br/>Material:PC, color:blanco.</p>   | <p><b>Code</b><br/>81033</p>                                |
|  |  | <p>Fuente de alimentación<br/>Material:PC, color:negro.</p>  | <p><b>Code</b><br/>81034</p>                                |
|  |  | <p>Carril<br/>Largo: 2000mm; Tipo carril: Standard.<br/>Material:aluminio, color:Negro, elaboración :Pintura.</p>  | <p><b>Finish</b><br/>Black</p> <p><b>Code</b><br/>80994</p> |



|        |       | <p>Carril<br/>Largo: 3000mm; Tipo carril: Standard.<br/>Material:aluminio, color:Blanco, elaboración :Pintura.</p> | <table border="1"> <thead> <tr> <th>Finish</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>White</td> <td>83338</td> </tr> </tbody> </table> | Finish | Code  | White | 83338 |
|--------|-------|--|---|--------|-------|-------|-------|
| Finish | Code  |  |   |        |       |       |       |
| White  | 83338 |  |   |        |       |       |       |
|        |       | <p>Unión<br/>Tipo lineal.<br/>Material:PC, color:negro.</p>  | <table border="1"> <thead> <tr> <th>Finish</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>Black</td> <td>81043</td> </tr> </tbody> </table> | Finish | Code  | Black | 81043 |
| Finish | Code  |  |   |        |       |       |       |
| Black  | 81043 |  |   |        |       |       |       |
|        |       | <p>Unión<br/>Tipo lineal.<br/>Material:PC, color:blanco.</p>   | <table border="1"> <thead> <tr> <th>Finish</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>White</td> <td>81042</td> </tr> </tbody> </table> | Finish | Code  | White | 81042 |
| Finish | Code  |  |   |        |       |       |       |
| White  | 81042 |  |   |        |       |       |       |
|        |       | <p>Unión<br/>Tipo lineal.<br/>Material:PC, color:blanco.</p>   | <table border="1"> <thead> <tr> <th>Finish</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>White</td> <td>81051</td> </tr> </tbody> </table> | Finish | Code  | White | 81051 |
| Finish | Code  |  |   |        |       |       |       |
| White  | 81051 |  |   |        |       |       |       |
|        |       | <p>Unión<br/>Tipo lineal.<br/>Material:PC, color:negro.</p>  | <table border="1"> <thead> <tr> <th>Finish</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>Black</td> <td>81052</td> </tr> </tbody> </table> | Finish | Code  | Black | 81052 |
| Finish | Code  |  |   |        |       |       |       |
| Black  | 81052 |  |   |        |       |       |       |
|        |       | <p>Fuente de alimentación<br/>Material:PC, color:blanco.</p>   | <table border="1"> <thead> <tr> <th>Code</th> </tr> </thead> <tbody> <tr> <td>81036</td> </tr> </tbody> </table>                                | Code   | 81036 |       |       |
| Code   |       |  |   |        |       |       |       |
| 81036  |       |  |   |        |       |       |       |
|        |       | <p>Unión<br/>Tipo flexible curve.<br/>Material:PC, color:blanco.</p>   | <table border="1"> <thead> <tr> <th>Finish</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>White</td> <td>81066</td> </tr> </tbody> </table> | Finish | Code  | White | 81066 |
| Finish | Code  |  |   |        |       |       |       |
| White  | 81066 |  |   |        |       |       |       |
|        |       | <p>Tapón<br/>Material:PC, color:blanco.</p>  | <table border="1"> <thead> <tr> <th>Code</th> </tr> </thead> <tbody> <tr> <td>80999</td> </tr> </tbody> </table>                                | Code   | 80999 |       |       |
| Code   |       |  |   |        |       |       |       |
| 80999  |       |  |   |        |       |       |       |

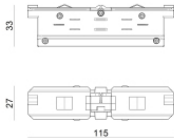


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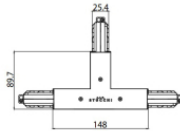
Carril  
Largo: 1000mm; Tipo carril: Standard.  
Material:aluminio, color:Blanco, elaboración :Pintura.

| Finish | Code  |
|--------|-------|
| White  | 80990 |



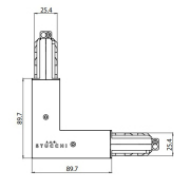
Unión  
Tipo linear.  
Material:PC, color:blanco.

| Finish | Code  |
|--------|-------|
| White  | 81039 |



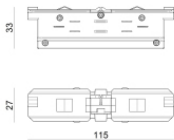
Unión  
Tipo linear.  
Material:PC, color:blanco.

| Finish | Code  |
|--------|-------|
| White  | 81054 |



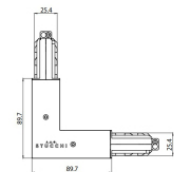
Unión  
Tipo linear.  
Material:PC, color:blanco.

| Finish | Code  |
|--------|-------|
| White  | 81045 |



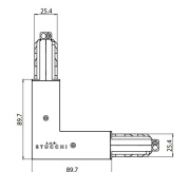
Unión  
Tipo linear.  
Material:PC, color:negro.

| Finish | Code  |
|--------|-------|
| Black  | 81040 |



Unión  
Tipo linear.  
Material:PC, color:blanco.

| Finish | Code  |
|--------|-------|
| White  | 81048 |



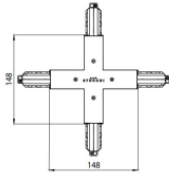
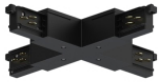
Unión  
Tipo linear.  
Material:PC, color:negro.

| Finish | Code  |
|--------|-------|
| Black  | 81049 |



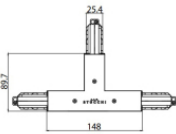
Tapón  
Material:PC, color:negro.

| Code  |
|-------|
| 81000 |



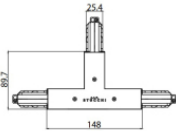
Unión  
Tipo linear.  
Material:PC, color:negro.

| Finish | Code  |
|--------|-------|
| Black  | 81064 |



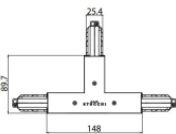
Unión  
Tipo linear.  
Material:PC, color:blanco.

| Finish | Code  |
|--------|-------|
| White  | 81057 |



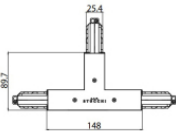
Unión  
Tipo linear.  
Material:PC, color:negro.

| Finish | Code  |
|--------|-------|
| Black  | 81058 |



Unión  
Tipo linear.  
Material:PC, color:blanco.

| Finish | Code  |
|--------|-------|
| White  | 81060 |



Unión  
Tipo linear.  
Material:PC, color:negro.

| Finish | Code  |
|--------|-------|
| Black  | 81061 |



Tapón  
Material:PC, color:blanco.

| Code  |
|-------|
| 81002 |



Tapón  
Material:PC, color:negro.

| Code  |
|-------|
| 81003 |



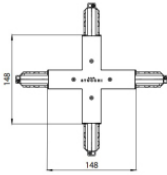
Rosetón  
Material:plástico, color:blanco.

| Code  |
|-------|
| 81012 |



|  |  |   |  |
|--|--|---|--|
|  |  | <p>Rosetón<br/>Material:plástico, color:negro.</p>  | <p><b>Code</b><br/>81014</p>                             |
|  |  | <p>Rosetón<br/>Material:plástico, color:blanco.</p>   | <p><b>Code</b><br/>81013</p>                             |
|  |  | <p>Unión<br/>Tipo lineal.<br/>Material:PC, color:negro.</p>   | <p><b>Finish</b><br/>Black <b>Code</b><br/>81046</p>     |
|  |  | <p>Colgantes<br/>Material:plástico, color:blanco.</p>   | <p><b>Code</b><br/>81021</p>                             |
|  |  | <p>Colgantes<br/>Material:plástico, color:negro.</p>  | <p><b>Code</b><br/>81022</p>                             |
|  |  | <p>Soporte<br/>L=35mm, H=14mm, D=24mm.<br/>Material:aluminio, color:pulido.</p>                       | <p><b>Finish</b><br/>Anod. Al. <b>Code</b><br/>81086</p> |
|  |  | <p>Soporte<br/>L=35mm, H=14mm, D=24mm.<br/>Material:aluminio, color:blanco, elaboración :Pintura.</p> | <p><b>Finish</b><br/>White <b>Code</b><br/>81087</p>     |
|  |  | <p>Soporte<br/>L=35mm, H=14mm, D=24mm.<br/>Material:aluminio, color:Negro, elaboración :Pintura.</p>  | <p><b>Finish</b><br/>Black <b>Code</b><br/>81088</p>     |





Unión  
Tipo linear.  
Material:PC, color:blanco.

| Finish | Code  |
|--------|-------|
| White  | 81063 |



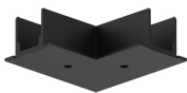
Rosetón  
Material:plástico, color:negro.

| Code  |
|-------|
| 81015 |



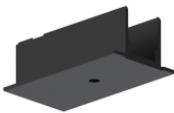
Cubierta de alambre  
Material:PC, color:blanco.

| Code  |
|-------|
| 81075 |



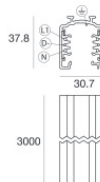
Cubierta de alambre  
Material:PC, color:negro.

| Code  |
|-------|
| 81076 |



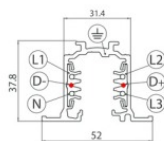
Cubierta de alambre  
Material:PC, color:negro.

| Code  |
|-------|
| 81070 |



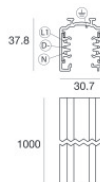
Carril  
Largo: 3000mm; Tipo carril: Standard.  
Material:aluminio, color:Negro, elaboración :Pintura.

| Finish | Code  |
|--------|-------|
| Black  | 83341 |



Carril  
Largo: 3000mm; Tipo carril: Standard.  
Material:aluminio, color:Blanco, elaboración :Pintura.

| Finish | Code  |
|--------|-------|
| White  | 80992 |



Carril  
Largo: 1000mm; Tipo carril: Standard.  
Material:aluminio, color:Negro, elaboración :Pintura.

| Finish | Code  |
|--------|-------|
| Black  | 83339 |



|  |   |  |
|--|---|--|
|  | <p>Herramienta</p>  | <p><b>Code</b><br/>81005</p>                             |
|  | <p>Unión<br/>Tipo flexible curve.<br/>Material:PC, color:negro.</p> | <p><b>Finish</b><br/>Black<br/><b>Code</b><br/>81067</p> |
|  | <p>Cubierta de alambre<br/>Material:PC, color:blanco.</p>           | <p><b>Code</b><br/>81069</p>                             |
|  | <p>Colgantes<br/>Material:plástico, color:blanco.</p>               | <p><b>Code</b><br/>81007</p>                             |
|  | <p>Colgantes<br/>Material:plástico, color:negro.</p>                | <p><b>Code</b><br/>81009</p>                             |
|  | <p>Colgantes<br/>Material:plástico, color:negro.</p>                | <p><b>Code</b><br/>81008</p>                             |
|  | <p>Colgantes<br/>Material:plástico, color:negro.</p>                | <p><b>Code</b><br/>81019</p>                             |
|  | <p>Cubierta de alambre<br/>Material:PC, color:blanco.</p>           | <p><b>Code</b><br/>81081</p>                             |



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|  |  |   |  |
|--|--|---|--|
|  |  |   | <b>Code</b><br>81093                           |
|  |  | <b>Soporte</b><br>L=180mm, H=24mm, D=20mm.<br>Material:aluminio, color:negro RAL 9005, elaboración :Pintura.    | <b>Finish</b><br>Black<br><b>Code</b><br>81026 |
|  |  | <b>Fuente de alimentación</b><br>Material:PC, color:negro.  | <b>Code</b><br>81037                           |
|  |  | <b>Carril</b><br>Largo: 1000mm; Tipo carril: Standard.<br>Material:aluminio, color:Negro, elaboración :Pintura. | <b>Finish</b><br>Black<br><b>Code</b><br>80993 |
|  |  | <b>Cubierta de alambre</b><br>Material:PC, color:negro.   | <b>Code</b><br>81082                           |
|  |  | <b>Soporte</b><br>L=180mm, H=24mm, D=20mm.<br>Material:aluminio, color:blanco RAL 9010, elaboración :Pintura.   | <b>Finish</b><br>White<br><b>Code</b><br>81025 |
|  |  | <b>Cubierta de alambre</b><br>Material:PC, color:blanco.  | <b>Code</b><br>81078                           |
|  |  | <b>Colgantes</b><br>Material:plástico, color:blanco.  | <b>Code</b><br>81018                           |



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|  |   |  |  |
|--|---|--|--|
|  | <p>Cubierta de alambre<br/>Material: negro, color: negro.</p> | <p><b>Code</b><br/>83250</p>   |  |
|  | <p>Cubierta de alambre<br/>Material: blanco.</p>              | <p><b>Code</b><br/>83249</p>   |  |
|  |   | <p>Unión<br/>Tipo linear.<br/>Material: PC, color: negro.</p>  | <p><b>Finish</b><br/>Black <b>Code</b><br/>81055</p> |
|  |   | <p>Cubierta de alambre<br/>Material: PC, color: blanco.</p>  | <p><b>Code</b><br/>81072</p>                         |
|  |   | <p>Soporte<br/>L=180mm, H=24mm, D=26mm.<br/>Material: aluminio, color: Aluminio Anodizado, elaboración :Anodizado.</p> | <p><b>Finish</b><br/> <b>Code</b><br/>81024</p>      |
|  |   | <p>Tapón<br/>Material: blanco.</p>   | <p><b>Code</b><br/>81084</p>                         |
|  |   | <p>Cubierta de alambre<br/>Material: PC, color: negro.</p>   | <p><b>Code</b><br/>81079</p>                         |
|  |   | <p>Cubierta de alambre<br/>Material: PC, color: negro.</p>   | <p><b>Code</b><br/>81073</p>                         |



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Colgantes  
 Material:plástico, color:blanco.

**Code**  
81006



**Code**  
81091



Tapón  
 Material:negro, color:negro.

**Code**  
81085



**Code**  
81094



**Code**  
81095



Accesorio electronico - Controlador TWIL-DALI para dispositivos con protocolo DALI instalados en carril trifásico.  
 posición de instalación: techo L=90mm, H=124mm, D=45mm.  
 Material:Plástico ABS, color:negro.

**Code**  
C-E700008