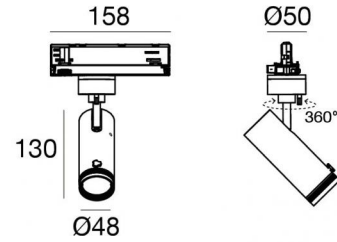


# Pound\_Focus



Proyectores | 198-264 V  
1 arrayLED 13 W DC - 15.5 W AC | CRI 90  
**82105M85**



| Datos técnicos  |                  |
|---|------------------|
| Tipo  | Carril           |
| Posición de instalación                                   | Techo            |
| Ambiente de instalación                                   | Interiores       |
| Fuente de luz   | LED              |
| Circuit structure   | arrayLED         |
| Óptica  | Adjustable Focus |
| Light emission direction                                  | frontal          |
| Potencia nominal  | 13 W DC          |
| Poder total   | 15.5 W           |
| Flujo luminoso (fuente)                                   | 1487 lm          |
| Tensión nominal de entrada                                | 220 - 240 V AC   |
| Rango de voltaje de entrada                               | 198 - 264 V AC   |
| Frequency   | 50 - 60 Hz       |
| CCT / Tone  | 2700 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             |

| 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 | Ángulo de apertura máximo  
**82105M85**

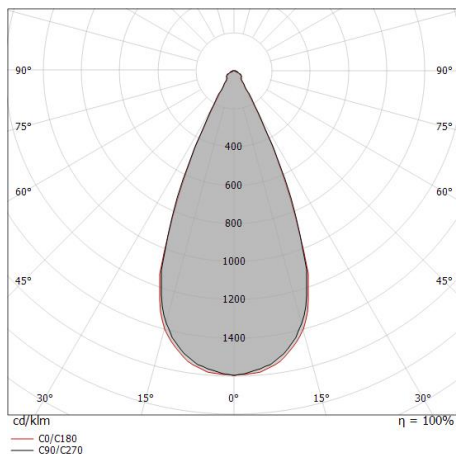
Single emission projectors for indoor application. The super warm white LED light source with a adjustable focus light distribution is composed of 1 arrayed LEDs with CCT of 2700 K and a CRI 90; the source luminous flux is 1487 lm, with a 114.4 lm/W nominal luminous efficacy.

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.



| Distance [m] | Cone diameter [m] | E(0°) | E(C90) | E(C0) | Illuminance [lx] |
|--------------|-------------------|-------|--------|-------|------------------|
| 0.5          | 0.43              | 2911  | 1132   | 1136  |                  |
| 1.0          | 0.86              | 728   | 283    | 284   |                  |
| 1.5          | 1.29              | 323   | 126    | 126   |                  |
| 2.0          | 1.72              | 182   | 71     | 71    |                  |
| 2.5          | 2.15              | 116   | 45     | 45    |                  |
| 3.0          | 2.58              | 81    | 31     | 31    |                  |

Distance [m] Cone diameter [m] Illuminance [lx]

— C0/C180 (Half-peak divergence: 46.2°)  
 - - C90/C270 (Half-peak divergence: 46.6°)

### Clase de eficiencia energética

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

### Características Luminotécnicas

|   |                |
|---|----------------|
| Light Output Ratio (LOR)                      | 30 %           |
| Flujo luminoso (fuente)                       | 1487 lm        |
| Flujo luminoso de luminaria                   | 457 lm         |
| Consumption                                   | 15.5 W         |
| Rendimiento luminoso de las luminarias        | 29 lm/W        |
| Temperatura de color                          | 2700 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         | 22.7     |
| UGR transversal   | 22.5     |
| X=4H   Y=8H       | S=0.25H  |
| Reflection factor | 70/50/20 |

### OPTICAL

|                |     |
|----------------|-----|
| Óptica C0/C180 | 46° |
| Symmetrical    |     |





Proyectores | 198-264 V | 1 arrayLED 13 W DC - 15.5 W AC | CRI 90 | &Aacute;ngulo

&oacute;ptico m&iacute;ximo

## 82105M85

Single emission projectors for indoor application. The super warm white LED light source with a adjustable focus light distribution is composed of 1 arrayed LEDs with CCT of 2700 K and a CRI 90; the source luminous flux is 1487 lm, with a 114.4 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)                      | 13 %           |
| Flujo luminoso (fuente)                       | 1487 lm        |
| Flujo luminoso de luminaria                   | 198 lm         |
| Consumption                                   | 15.5 W         |
| Rendimiento luminoso de las luminarias        | 12 lm/W        |
| Temperatura de color                          | 2700 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

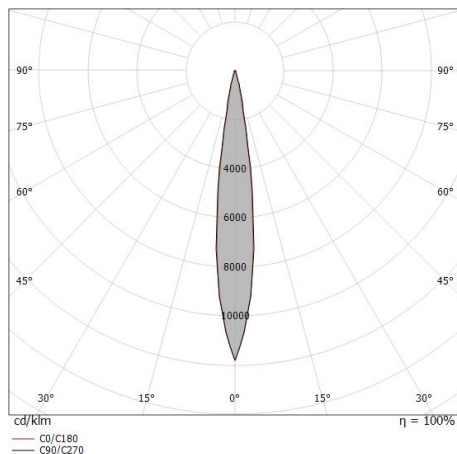
L70 B10 C0 252000h (at Tj 65 Ta 25)

### UGR

|                   |          |
|-------------------|----------|
| UGR axial         | 16.5     |
| UGR transversal   | 15.8     |
| X=4H   Y=8H       | S=0.25H  |
| Reflection factor | 70/50/20 |

### OPTICAL

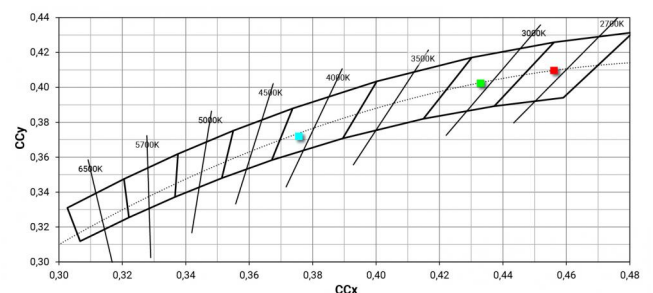
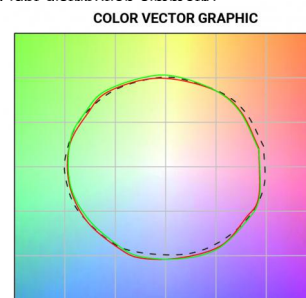
|                |     |
|----------------|-----|
| Óptica C0/C180 | 14° |
| Symmetrical    |     |



| Distance [m] | Cone diameter [m] | Illuminance [lx]                                  |
|--------------|-------------------|---|
| 0.5          | 0.13<br>0.12      | E(0°) 9310<br>E(C90) 7.2° 4583<br>E(C0) 7.0° 4575 |
| 1.0          | 0.25<br>0.25      | E(0°) 2328<br>E(C90) 7.2° 1146<br>E(C0) 7.0° 1144 |
| 1.5          | 0.38<br>0.37      | E(0°) 1034<br>E(C90) 7.2° 509<br>E(C0) 7.0° 508   |
| 2.0          | 0.51<br>0.49      | E(0°) 582<br>E(C90) 7.2° 286<br>E(C0) 7.0° 286    |
| 2.5          | 0.63<br>0.61      | E(0°) 372<br>E(C90) 7.2° 183<br>E(C0) 7.0° 183    |
| 3.0          | 0.76<br>0.74      | E(0°) 259<br>E(C90) 7.2° 127<br>E(C0) 7.0° 127    |

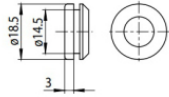
Distance [m] Cone diameter [m] Illuminance [lx]

— C0/C180 (Half-peak divergence: 14.0°)  
— C90/C270 (Half-peak divergence: 14.4°)



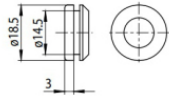


|  |  |  |                                     |
|--|--|--|-------------------------------------|
|  |  | <p>Fuente de alimentación<br/>Material:PC, color:blanco.</p> | <p><b>Code</b><br/><u>81033</u></p> |
|  |  | <p>Fuente de alimentación<br/>Material:PC, color:blanco.</p> | <p><b>Code</b><br/><u>81036</u></p> |
|  |  | <p>Fuente de alimentación<br/>Material:PC, color:negro.</p>  | <p><b>Code</b><br/><u>81037</u></p> |
|  |  | <p>Fuente de alimentación<br/>Material:PC, color:negro.</p>  | <p><b>Code</b><br/><u>81034</u></p> |
|  |  | <p>Tapón<br/>Material:PC, color:blanco.</p>                  | <p><b>Code</b><br/><u>80999</u></p> |
|  |  | <p>Tapón<br/>Material:PC, color:negro.</p>                   | <p><b>Code</b><br/><u>81000</u></p> |
|  |  | <p>Tapón<br/>Material:PC, color:blanco.</p>                  | <p><b>Code</b><br/><u>81002</u></p> |
|  |  | <p>Tapón<br/>Material:PC, color:negro.</p>                   | <p><b>Code</b><br/><u>81003</u></p> |



Tapón  
Material:blanco.

**Code**  
81084



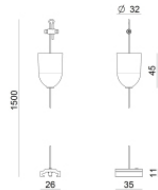
Tapón  
Material:negro, color:negro.

**Code**  
81085



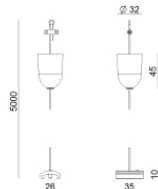
Rosetón  
Material:plástico, color:blanco.

**Code**  
81012



Rosetón  
Material:plástico, color:negro.

**Code**  
81014



Rosetón  
Material:plástico, color:blanco.

**Code**  
81013



Rosetón  
Material:plástico, color:negro.

**Code**  
81015



Soporte  
L=35mm, H=14mm, D=24mm.  
Material:aluminio, color:pulido.

**Finish**  
Anod. Al. **Code**  
81086



Soporte  
L=180mm, H=24mm, D=26mm.  
Material:aluminio, color:Aluminio Anodizado, elaboración :Anodizado.

**Finish**  
**Code**  
81024



**Soporte**  
L=180mm, H=24mm, D=20mm.  
Material:aluminio, color:blanco RAL 9010, elaboración :Pintura.

| Finish | Code  |
|--------|-------|
| White  | 81025 |



**Soporte**  
L=180mm, H=24mm, D=20mm.  
Material:aluminio, color:negro RAL 9005, elaboración :Pintura.

| Finish | Code  |
|--------|-------|
| Black  | 81026 |



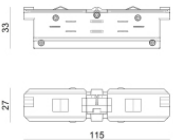
**Soporte**  
L=35mm, H=14mm, D=24mm.  
Material:aluminio, color:blanco, elaboración :Pintura.

| Finish | Code  |
|--------|-------|
| White  | 81087 |



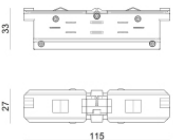
**Soporte**  
L=35mm, H=14mm, D=24mm.  
Material:aluminio, color:Negro, elaboración :Pintura.

| Finish | Code  |
|--------|-------|
| Black  | 81088 |



**Unión**  
Tipo lineal.  
Material:PC, color:blanco.

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



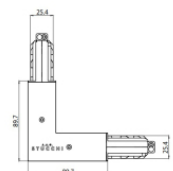
**Unión**  
Tipo lineal.  
Material:PC, color:negro.

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



**Unión**  
Tipo lineal.  
Material:PC, color:blanco.

| Finish | Code  |
|--------|-------|
| White  | 81042 |



**Unión**  
Tipo lineal.  
Material:PC, color:blanco.

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



|  |  |  |                                |                              |
|--|--|--|--------------------------------|------------------------------|
|  |  | <p>Unión<br/>Tipo linear.<br/>Material:PC, color:blanco.</p>         | <p><b>Finish</b><br/>White</p> | <p><b>Code</b><br/>81048</p> |
|  |  | <p>Unión<br/>Tipo flexible curve.<br/>Material:PC, color:blanco.</p> | <p><b>Finish</b><br/>White</p> | <p><b>Code</b><br/>81066</p> |
|  |  | <p>Unión<br/>Tipo linear.<br/>Material:PC, color:blanco.</p>         | <p><b>Finish</b><br/>White</p> | <p><b>Code</b><br/>81063</p> |
|  |  | <p>Unión<br/>Tipo linear.<br/>Material:PC, color:blanco.</p>         | <p><b>Finish</b><br/>White</p> | <p><b>Code</b><br/>81051</p> |
|  |  | <p>Unión<br/>Tipo linear.<br/>Material:PC, color:blanco.</p>         | <p><b>Finish</b><br/>White</p> | <p><b>Code</b><br/>81054</p> |
|  |  | <p>Unión<br/>Tipo linear.<br/>Material:PC, color:blanco.</p>         | <p><b>Finish</b><br/>White</p> | <p><b>Code</b><br/>81057</p> |
|  |  | <p>Unión<br/>Tipo linear.<br/>Material:PC, color:blanco.</p>         | <p><b>Finish</b><br/>White</p> | <p><b>Code</b><br/>81060</p> |
|  |  | <p>Unión<br/>Tipo linear.<br/>Material:PC, color:negro.</p>          | <p><b>Finish</b><br/>Black</p> | <p><b>Code</b><br/>81043</p> |



|  |  |   |                                   |                                 |
|--|--|---|-----------------------------------|---------------------------------|
|  |  | <p>Unión</p> <p>Tipo linear.</p> <p>Material:PC, color:negro.</p>         | <p><b>Finish</b></p> <p>Black</p> | <p><b>Code</b></p> <p>81046</p> |
|  |  | <p>Unión</p> <p>Tipo linear.</p> <p>Material:PC, color:negro.</p>         | <p><b>Finish</b></p> <p>Black</p> | <p><b>Code</b></p> <p>81049</p> |
|  |  | <p>Unión</p> <p>Tipo flexible curve.</p> <p>Material:PC, color:negro.</p> | <p><b>Finish</b></p> <p>Black</p> | <p><b>Code</b></p> <p>81067</p> |
|  |  | <p>Unión</p> <p>Tipo linear.</p> <p>Material:PC, color:negro.</p>         | <p><b>Finish</b></p> <p>Black</p> | <p><b>Code</b></p> <p>81064</p> |
|  |  | <p>Unión</p> <p>Tipo linear.</p> <p>Material:PC, color:negro.</p>         | <p><b>Finish</b></p> <p>Black</p> | <p><b>Code</b></p> <p>81052</p> |
|  |  | <p>Unión</p> <p>Tipo linear.</p> <p>Material:PC, color:negro.</p>         | <p><b>Finish</b></p> <p>Black</p> | <p><b>Code</b></p> <p>81055</p> |
|  |  | <p>Unión</p> <p>Tipo linear.</p> <p>Material:PC, color:negro.</p>         | <p><b>Finish</b></p> <p>Black</p> | <p><b>Code</b></p> <p>81058</p> |
|  |  | <p>Unión</p> <p>Tipo linear.</p> <p>Material:PC, color:negro.</p>         | <p><b>Finish</b></p> <p>Black</p> | <p><b>Code</b></p> <p>81061</p> |





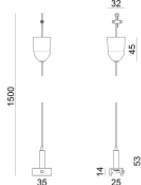
Colgantes  
Material:plástico, color:blanco.

**Code**  
81006



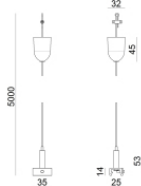
Colgantes  
Material:plástico, color:blanco.

**Code**  
81007



Colgantes  
Material:plástico, color:negro.

**Code**  
81008



Colgantes  
Material:plástico, color:negro.

**Code**  
81009



Colgantes  
Material:plástico, color:blanco.

**Code**  
81018



Colgantes  
Material:plástico, color:negro.

**Code**  
81019



Colgantes  
Material:plástico, color:blanco.

**Code**  
81021



Colgantes  
Material:plástico, color:negro.

**Code**  
81022



|  |  |   |                                     |
|--|--|---|-------------------------------------|
|  |  | <p>Cubierta de alambre<br/>Material:PC, color:blanco.</p> | <p><b>Code</b><br/><u>81069</u></p> |
|  |  | <p>Cubierta de alambre<br/>Material:PC, color:blanco.</p> | <p><b>Code</b><br/><u>81072</u></p> |
|  |  | <p>Cubierta de alambre<br/>Material:PC, color:blanco.</p> | <p><b>Code</b><br/><u>81075</u></p> |
|  |  | <p>Cubierta de alambre<br/>Material:PC, color:blanco.</p> | <p><b>Code</b><br/><u>81078</u></p> |
|  |  | <p>Cubierta de alambre<br/>Material:PC, color:blanco.</p> | <p><b>Code</b><br/><u>81081</u></p> |
|  |  | <p>Cubierta de alambre<br/>Material:PC, color:negro.</p>  | <p><b>Code</b><br/><u>81070</u></p> |
|  |  | <p>Cubierta de alambre<br/>Material:PC, color:negro.</p>  | <p><b>Code</b><br/><u>81073</u></p> |
|  |  | <p>Cubierta de alambre<br/>Material:PC, color:negro.</p>  | <p><b>Code</b><br/><u>81076</u></p> |



|  |  |   |                                     |
|--|--|---|-------------------------------------|
|  |  | <p>Cubierta de alambre<br/>Material:PC, color:negro.</p>    | <p><b>Code</b><br/><u>81079</u></p> |
|  |  | <p>Cubierta de alambre<br/>Material:PC, color:negro.</p>    | <p><b>Code</b><br/><u>81082</u></p> |
|  |  | <p>Cubierta de alambre<br/>Material:blanco.</p>             | <p><b>Code</b><br/><u>83249</u></p> |
|  |  | <p>Cubierta de alambre<br/>Material:negro, color:negro.</p> | <p><b>Code</b><br/><u>83250</u></p> |
|  |  |   | <p><b>Code</b><br/><u>81094</u></p> |
|  |  |   | <p><b>Code</b><br/><u>81091</u></p> |
|  |  |   | <p><b>Code</b><br/><u>81095</u></p> |
|  |  |   | <p><b>Code</b><br/><u>81093</u></p> |



|  |             |   |                               |
|--|-------------|---|-------------------------------|
|  | Herramienta | Code  |                               |
|  |             | 81005   |                               |
|  |             | Carril<br>Largo: 1000mm; Tipo carril: Standard.<br>Material:aluminio, color:Blanco, elaboración :Pintura. | Finish<br>White Code<br>80990 |
|  |             | Carril<br>Largo: 2000mm; Tipo carril: Standard.<br>Material:aluminio, color:Blanco, elaboración :Pintura. | Finish<br>White Code<br>80991 |
|  |             | Carril<br>Largo: 3000mm; Tipo carril: Standard.<br>Material:aluminio, color:Blanco, elaboración :Pintura. | Finish<br>White Code<br>80992 |
|  |             | Carril<br>Largo: 1000mm; Tipo carril: Standard.<br>Material:aluminio, color:Negro, elaboración :Pintura.  | Finish<br>Black Code<br>80993 |
|  |             | Carril<br>Largo: 2000mm; Tipo carril: Standard.<br>Material:aluminio, color:Negro, elaboración :Pintura.  | Finish<br>Black Code<br>80994 |
|  |             | Carril<br>Largo: 3000mm; Tipo carril: Standard.<br>Material:aluminio, color:Negro, elaboración :Pintura.  | Finish<br>Black Code<br>80995 |
|  |             | Carril<br>Largo: 1000mm; Tipo carril: Standard.<br>Material:aluminio, color:Blanco, elaboración :Pintura. | Finish<br>White Code<br>83336 |



|        |       | <p>Carril<br/>                     Largo: 2000mm; 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>83337</td> </tr> </tbody> </table> | Finish | Code | White | 83337 |
|--------|-------|--|---|--------|------|-------|-------|
| Finish | Code  |  |   |        |      |       |       |
| White  | 83337 |  |   |        |      |       |       |
|        |       | <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>Carril<br/>                     Largo: 1000mm; Tipo carril: Standard.<br/>                     Material:aluminio, color:Negro, elaboración :Pintura.</p>  | <table border="1"> <thead> <tr> <th>Finish</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>Black</td> <td>83339</td> </tr> </tbody> </table> | Finish | Code | Black | 83339 |
| Finish | Code  |  |   |        |      |       |       |
| Black  | 83339 |  |   |        |      |       |       |
|        |       | <p>Carril<br/>                     Largo: 2000mm; Tipo carril: Standard.<br/>                     Material:aluminio, color:Negro, elaboración :Pintura.</p>  | <table border="1"> <thead> <tr> <th>Finish</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>Black</td> <td>83340</td> </tr> </tbody> </table> | Finish | Code | Black | 83340 |
| Finish | Code  |  |   |        |      |       |       |
| Black  | 83340 |  |   |        |      |       |       |
|        |       | <p>Carril<br/>                     Largo: 3000mm; Tipo carril: Standard.<br/>                     Material:aluminio, color:Negro, elaboración :Pintura.</p>  | <table border="1"> <thead> <tr> <th>Finish</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>Black</td> <td>83341</td> </tr> </tbody> </table> | Finish | Code | Black | 83341 |
| Finish | Code  |  |   |        |      |       |       |
| Black  | 83341 |  |   |        |      |       |       |