# Pound_Focus

Projectors | 198-264 V
1 arrayLED 13 W DC - 15.5 W AC | CRI 90
**82105M85**
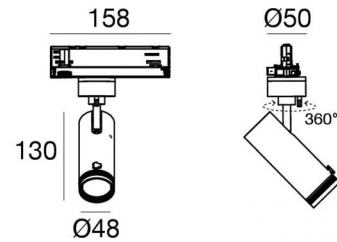
| Technical data | |
|---|---|
| Type | Track |
| Installation position | Ceiling |
| Installation environment | Indoor |
| Light Source | LED |
| Circuit structure | arrayLED |
| Optics | Adjustable Focus |
| Light emission direction | frontal |
| Nominal power | 13 W DC |
| Total Power | 15.5 W |
| Source lumens | 1487 lm |
| Nominal input voltage | 220 - 240 V AC |
| Input voltage range | 198 - 264 V AC |
| Frequency | 50 - 60 Hz |
| CCT / Tone | 2700 K |
| Colour rendering index | 90 Ra |
| C.C. / C.V. | AC |
| Safety class | 2 |
| IP | IP20 |
| Glow wire test | 850° |
| Direct mounting on normally flammable surfaces | Yes |
| CE | Yes |
| Driver included | Driver |
| Dimmable article | Dimming on Board |
| Directional | Swivelling |
| total angle (vertical plane) | 90 ° |
| total angle (horizontal plane) | 360 ° |
| Tilting | No |
| Walk-over | No |
| Drive-over | No |
| Cable included | No |
| Resin potting | No |
| Type of light emission | Single emission |
| Net weight | 0.39 Kg |
| Electrostatic discharge protection | Yes |
| Surge protection | 2 KV |

| Finishing casing | |
|---|---|
| Material | Die-cast Aluminium EN AB - 46100 |
| Colour | White |
| Processing | Powder coating |

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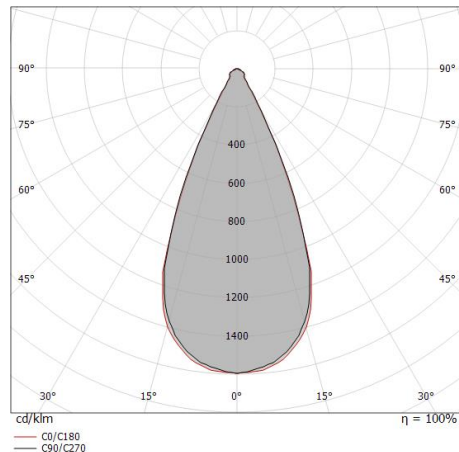**82105M85**

Single emission projectors for indoor application. The super warm white LED light source with a adjustable focus light distribution is composed of 1 arrayled 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.

## Energy efficiency class

This product contains a light source of energy efficiency class E.

## Illuminotechnical Features

| | |
|---|---|
| Light Output Ratio (LOR) | 30 % |
| Source lumens | 1487 lm |
| Delivered lumens | 457 lm |
| Consumption | 15.5 W |
| Luminaire efficacy | 29 lm/W |
| Colour temperature | 2700 K |
| Standard Deviation of Colour Matching | 2 Step MacAdam |
| Colour rendering index | 90 Ra |
| Colour Rendering Index | 60 R9 |
| Black Body Locus | On |
| | |
| Standard Operating Ambient Temperature | -20 / +50°C |
| Ordinary temperature on the glass | 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

| | |
|---|---|
| C0/C180 optics | 46° |
| Light distribution simmetry | Symmetrical |

**COLOR VECTOR GRAPHIC**

cd/klm
η = 100%

— C0/C180
— C90/C270

| | | | | |
|---|---|---|---|---|
| 0.5 | 0.43 / 0.43 | E(0°) | | 2911 |
| | | E(C90) | 23.3° | 1132 |
| | | E(C0) | 23.1° | 1136 |
| 1.0 | 0.86 / 0.85 | E(0°) | | 728 |
| | | E(C90) | 23.3° | 283 |
| | | E(C0) | 23.1° | 284 |
| 1.5 | 1.29 / 1.28 | E(0°) | | 323 |
| | | E(C90) | 23.3° | 126 |
| | | E(C0) | 23.1° | 126 |
| 2.0 | 1.72 / 1.71 | E(0°) | | 182 |
| | | E(C90) | 23.3° | 71 |
| | | E(C0) | 23.1° | 71 |
| 2.5 | 2.15 / 2.13 | E(0°) | | 116 |
| | | E(C90) | 23.3° | 45 |
| | | E(C0) | 23.1° | 45 |
| 3.0 | 2.58 / 2.56 | E(0°) | | 81 |
| | | E(C90) | 23.3° | 31 |
| | | E(C0) | 23.1° | 32 |

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

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

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Projectors | 198-264 V | 1 arrayLED 13 W DC - 15.5 W AC | CRI 90 | Angle Min

**82105M85**

Single emission projectors for indoor application. The super warm white LED light source with a adjustable focus light distribution is composed of 1 arrayled 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.

## Energy efficiency class

This product contains a light source of energy efficiency class E.

## Illuminotechnical Features

| | |
|---|---|
| Light Output Ratio (LOR) | 13 % |
| Source lumens | 1487 lm |
| Delivered lumens | 198 lm |
| Consumption | 15.5 W |
| Luminaire efficacy | 12 lm/W |
| Colour temperature | 2700 K |
| Standard Deviation of Colour Matching | 2 Step MacAdam |
| Colour rendering index | 90 Ra |
| Colour Rendering Index | 60 R9 |
| Black Body Locus | On |
| | |
| Standard Operating Ambient Temperature | -20 / +50°C |
| Ordinary temperature on the glass | 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

| | |
|---|---|
| C0/C180 optics | 14° |
| Light distribution simmetry | Symmetrical |

**COLOR VECTOR GRAPHIC**





cd/klm    η = 100%

— C0/C180
— C90/C270
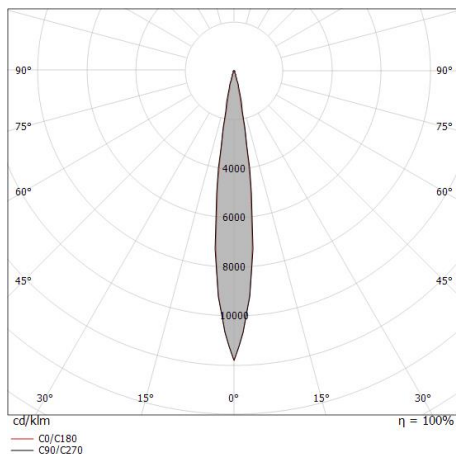


| | | | |
|---|---|---|---|
| E(0°) | | | 9310 |
| E(C90) | 7.2° | | 4583 |
| E(C0) | 7.0° | | 4575 |
| E(0°) | | | 2328 |
| E(C90) | 7.2° | | 1146 |
| E(C0) | 7.0° | | 1144 |
| E(0°) | | | 1034 |
| E(C90) | 7.2° | | 509 |
| E(C0) | 7.0° | | 508 |
| E(0°) | | | 582 |
| E(C90) | 7.2° | | 286 |
| E(C0) | 7.0° | | 286 |
| E(0°) | | | 372 |
| E(C90) | 7.2° | | 183 |
| E(C0) | 7.0° | | 183 |
| E(0°) | | | 259 |
| E(C90) | 7.2° | | 127 |
| 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°)

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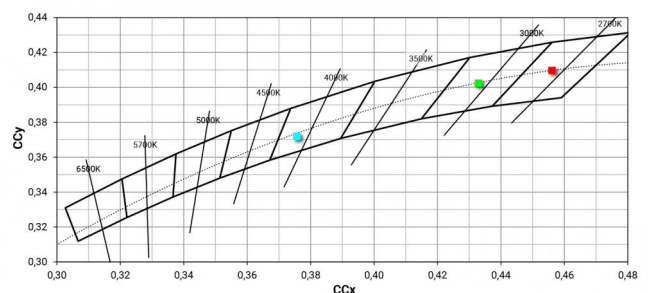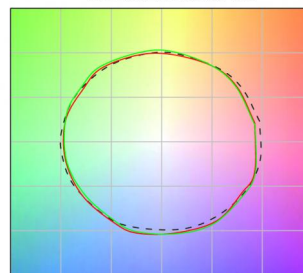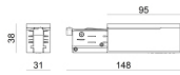
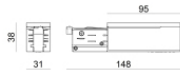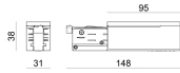| | | | | **Code** |
|---|---|---|---|---|
|  | | Power supply - White Right power supply header (9001/W)  Material:PC, colour:white. | | 81033 |
|  | | Power supply - White left power supply header (9002/W)  Material:PC, colour:white. | | 81036 |
|  | | Power supply - Black left power supply header (9002/B)  Material:PC, colour:black. | | 81037 |
|  | | Power supply - Black Right power supply header (9001/B)  Material:PC, colour:black. | | 81034 |
|  | | Closing cap - White end cap 9004/W  Material:PC, colour:white. | | 80999 |
|  | | Closing cap - Black end cap 9004/B  Material:PC, colour:black. | | 81000 |
|  | | Closing cap - Recessed white end cap 9004-R/W  Material:PC, colour:white. | | 81002 |
|  | | Closing cap - Recessed black end cap 9004-R/B  Material:PC, colour:black. | | 81003 |
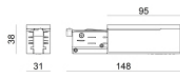
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# Pound_Focus
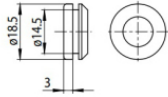
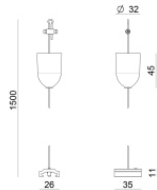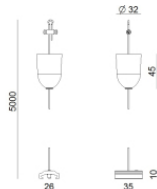| | | | | **Code** |
|---|---|---|---|---|
| | Closing cap - White gasket (S-9001/115-W) Material:white. | | | 81084 |
| | Closing cap - Black gasket (S-9001/115-B) Material:black, colour:black. | | | 81085 |
| | Ceiling rose - 1.5m white pendant luminaires kit + bracket (9000-KIT5-1,5-W) Material:plastic, colour:white. | | | 81012 |
| | Ceiling rose - 1.5m black pendant luminaires kit + bracket ((9000-KIT5-1,5-B) Material:plastic, colour:black. | | | 81014 |
| | Ceiling rose - 5m white pendant luminaires kit + bracket (9000-KIT5-5-W) Material:plastic, colour:white. | | | 81013 |
| | Ceiling rose - 5m black pendant luminaires kit + bracket (9000-KIT5-5-B) Material:plastic, colour:black. | | | 81015 |

| | | **Finish** | **Code** |
|---|---|---|---|
| | Bracket - Anodized fixing bracket (S-9000/131) L=35mm, H=14mm, D=24mm. Material:Aluminium, colour:translucent. | Anod. Al. | 81086 |
| | Bracket - Anodized stiffening bracket (S-9000/333) L=180mm, H=24mm, D=26mm. Material:Aluminium, colour:Anodised Aluminum, processing:Anodisation. | | 81024 |
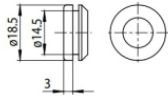
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Pound_Focus | Projectors | Accessories
**82105M85**

| | | Finish | Code |
|---|---|---|---|
| Bracket - White stiffening bracket (S-9000/333-W) L=180mm, H=24mm, D=20mm. Material:Aluminium, colour:white RAL 9010, processing:Coating. | | White | 81025 |
| Bracket - Black stiffening bracket (S-9000/333-B) L=180mm, H=24mm, D=20mm. Material:Aluminium, colour:black RAL 9005, processing:Coating. | | Black | 81026 |
| Bracket - White fixing braket (S-9000/131-W) L=35mm, H=14mm, D=24mm. Material:Aluminium, colour:white, processing:Coating. | | White | 81087 |
| Bracket - Black fixing braket (S-9000/131-B) L=35mm, H=14mm, D=24mm. Material:Aluminium, colour:Black, processing:Coating. | | Black | 81088 |
| Junction - White electrical junction - internal (9003/W) Type linear. Material:PC, colour:white. | | White | 81039 |
| Junction - Black electrical junction - internal (9003/B) Type linear. Material:PC, colour:black. | | Black | 81040 |
| Junction - White power supply junction - central (9010/W) Type linear. Material:PC, colour:white. | | White | 81042 |
| Junction - White L junction - internal (9011/W) Type linear. Material:PC, colour:white. | | White | 81045 |

# Pound_Focus

| | | | | Finish | Code |
|---|---|---|---|---|---|
| | Junction - White L junction - external (9012/W)<br>Type linear.<br>Material:PC, colour:white. | | | White | 81048 |

| | | | | Finish | Code |
|---|---|---|---|---|---|
| | Junction - Flexible white junction (9018/W)<br>Type flexible curve.<br>Material:PC, colour:white. | | | White | 81066 |

| | | | | Finish | Code |
|---|---|---|---|---|---|
| | Junction - White X junction (9017/W)<br>Type linear.<br>Material:PC, colour:white. | | | White | 81063 |

| | | | | Finish | Code |
|---|---|---|---|---|---|
| | Junction - Left white T junction - external (9013/W)<br>Type linear.<br>Material:PC, colour:white. | | | White | 81051 |

| | | | | Finish | Code |
|---|---|---|---|---|---|
| | Junction - Right white T junction - external (9014/W)<br>Type linear.<br>Material:PC, colour:white. | | | White | 81054 |

| | | | | Finish | Code |
|---|---|---|---|---|---|
| | Junction - Left white T junction - internal (9015/W)<br>Type linear.<br>Material:PC, colour:white. | | | White | 81057 |

| | | | | Finish | Code |
|---|---|---|---|---|---|
| | Junction - Right White T junction - internal (9016/W)<br>Type linear.<br>Material:PC, colour:white. | | | White | 81060 |

| | | | | Finish | Code |
|---|---|---|---|---|---|
| | Junction - Black power supply junction - centrale (9010/B)<br>Type linear.<br>Material:PC, colour:black. | | | Black | 81043 |

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Pound_Focus | Projectors | Accessories
**82105M85**

| | | | Finish | Code |
|---|---|---|---|---|
| | Junction - Black L junction - internal (9011/B) <br> Type linear. <br> Material:PC, colour:black. | | Black | 81046 |
| | Junction - Black L junction - external (9012/B) <br> Type linear. <br> Material:PC, colour:black. | | Black | 81049 |
| | Junction - Flexible black junction (9018/B) <br> Type flexible curve. <br> Material:PC, colour:black. | | Black | 81067 |
| | Junction - Black X junction (9017/B) <br> Type linear. <br> Material:PC, colour:black. | | Black | 81064 |
| | Junction - Black left T junction - external (9013/B) <br> Type linear. <br> Material:PC, colour:black. | | Black | 81052 |
| | Junction - Right black T junction - external (9014/B) <br> Type linear. <br> Material:PC, colour:black. | | Black | 81055 |
| | Junction - Left black T junction - internal (9015/B) <br> Type linear. <br> Material:PC, colour:black. | | Black | 81058 |
| | Junction - Right black T junction - internal (9016/B) <br> Type linear. <br> Material:PC, colour:black. | | Black | 81061 |

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**82105M85**
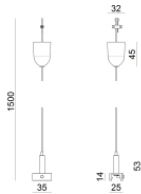
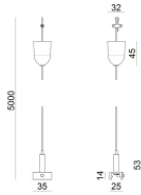| | | Code |
|---|---|---|
| | Suspensions - 1.5m white pendant luminaires kit (9000-KIT3-1,5-W)<br>Material:plastic, colour:white. | **Code**<br>81006 |
| | Suspensions - 5m white pendant luminaires kit (9000-KIT3-5-W)<br>Material:plastic, colour:white. | **Code**<br>81007 |
| | Suspensions - 1.5m black pendant luminaires kit (9000-KIT3-1,5-B)<br>Material:plastic, colour:black. | **Code**<br>81008 |
| | Suspensions - 5m black pendant luminaires kit (9000-KIT3-5-B)<br>Material:plastic, colour:black. | **Code**<br>81009 |
| | Suspensions - White rigid suspension clip (S-9000-P2-W)<br>Material:plastic, colour:white. | **Code**<br>81018 |
| | Suspensions - Black rigid suspension clip (S-9000-P2-B)<br>Material:plastic, colour:black. | **Code**<br>81019 |
| | Suspensions - White rigid suspension 1m (S-9000-P3-W)<br>Material:plastic, colour:white. | **Code**<br>81021 |
| | Suspensions - Black rigid suspension 1m (S-9000-P3-B)<br>Material:plastic, colour:black. | **Code**<br>81022 |

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| | | | |
|---|---|---|---|
|  | | Cable cover - White recessed cover (S-9001-R/6-W)<br>Material:PC, colour:white. | **Code**<br>81069 |
|  | | Cable cover - White cover for recessed junction (S-9010-R/6-W)<br>Material:PC, colour:white. | **Code**<br>81072 |
|  | | Cable cover - White cover for recessed L junction (S-9011-R/6-W)<br>Material:PC, colour:white. | **Code**<br>81075 |
|  | | Cable cover - White cover for recessed T junction (S-9013-R/6-W)<br>Material:PC, colour:white. | **Code**<br>81078 |
|  | | Cable cover - White cover for recessed X junction (S-9017-R/6-W)<br>Material:PC, colour:white. | **Code**<br>81081 |
|  | | Cable cover - Black recessed cover (S-9001-R/6-B)<br>Material:PC, colour:black. | **Code**<br>81070 |
|  | | Cable cover - Black cover for recessed junction (S-9010-R/6-B)<br>Material:PC, colour:black. | **Code**<br>81073 |
|  | | Cable cover<br>Material:PC, colour:black. | **Code**<br>81076 |

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| | | | | |
|---|---|---|---|---|
| | | Cable cover - Black cover for recessed T junction (S-9013-R/6-B)<br>Material:PC, colour:black. | **Code**<br>81079 |
| | | Cable cover - Black cover for recessed X junction (S-9017-R/6-B)<br>Material:PC, colour:black. | **Code**<br>81082 |
| | | Cable cover<br>Material:white. | **Code**<br>83249 |
| | | Cable cover<br>Material:black, colour:black. | **Code**<br>83250 |
| | | White three-phase/DALI adapter (9009/W) | **Code**<br>81094 |
| | | White three-phase adapter (9009-4/W) | **Code**<br>81091 |
| | | Black three-phase/DALI adapter (9009/B) | **Code**<br>81095 |
| | | Black trhee-phase adapter (9009-4/B) | **Code**<br>81093 |

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# Pound_Focus

| | | | Finish | Code |
|---|---|---|---|---|
| | Tool - Cutter S-9000/T | | | 81005 |

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| | | Finish | Code |
|---|---|---|---|
| | Track - Three-phase Recessed White DALI Track, 1 m (9000-1/W-R)<br>Length: 1000mm; Type of track: Standard.<br>Material:Aluminium, colour:White, processing:Coating. | White | 80990 |

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| | | Finish | Code |
|---|---|---|---|
| | Track - Three-phase Recessed White DALI Track, 2 m (9000-2/W-R)<br>Length: 2000mm; Type of track: Standard.<br>Material:Aluminium, colour:White, processing:Coating. | White | 80991 |

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| | | Finish | Code |
|---|---|---|---|
| | Track - Trhee-phase Recessed White DALI Track, 3 m ( 9000-3/W-R)<br>Length: 3000mm; Type of track: Standard.<br>Material:Aluminium, colour:White, processing:Coating. | White | 80992 |

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| | | Finish | Code |
|---|---|---|---|
| | Track - Three-phase Recessed Grey DALI Track, 1 m (9000-1/B-R)<br>Length: 1000mm; Type of track: Standard.<br>Material:Aluminium, colour:Black, processing:Coating. | Black | 80993 |

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| | | Finish | Code |
|---|---|---|---|
| | Track - Three-phase Recessed Black DALI Track, 2 m (9000-1/B-R)<br>Length: 2000mm; Type of track: Standard.<br>Material:Aluminium, colour:Black, processing:Coating. | Black | 80994 |

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| | | Finish | Code |
|---|---|---|---|
| | Track - Three-phase Recessed Black DALI Track, 3 m (9000-3/B-R)<br>Length: 3000mm; Type of track: Standard.<br>Material:Aluminium, colour:Black, processing:Coating. | Black | 80995 |

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| | | Finish | Code |
|---|---|---|---|
| | Track<br>Length: 1000mm; Type of track: Standard.<br>Material:Aluminium, colour:White, processing:Coating. | White | 83336 |

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# Pound_Focus

Pound_Focus | Projectors | Accessories
**82105M85**

| | | | Finish | Code |
|---|---|---|---|---|
| | 37.8 / 30.7 / 2000 | Track<br>Length: 2000mm; Type of track: Standard.<br>Material:Aluminium, colour:White, processing:Coating. | White | 83337 |
| | 37.8 / 30.7 / 3000 | Track<br>Length: 3000mm; Type of track: Standard.<br>Material:Aluminium, colour:White, processing:Coating. | White | 83338 |
| | 37.8 / 30.7 / 1000 | Track<br>Length: 1000mm; Type of track: Standard.<br>Material:Aluminium, colour:Black, processing:Coating. | Black | 83339 |
| | 37.8 / 30.7 / 2000 | Track<br>Length: 2000mm; Type of track: Standard.<br>Material:Aluminium, colour:Black, processing:Coating. | Black | 83340 |
| | 37.8 / 30.7 / 3000 | Track<br>Length: 3000mm; Type of track: Standard.<br>Material:Aluminium, colour:Black, processing:Coating. | Black | 83341 |

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