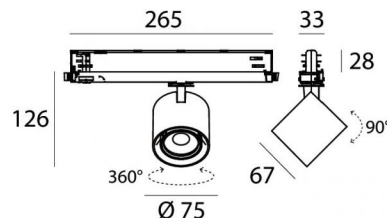




Projectors | 176-264 V AC /176-280 V DC  
1 arrayLED 10 W DC - 12 W AC | CRI 90



**C01000BBMSP**



Technical data	
Type	Track
Installation position	Ceiling
Installation environment	Indoor
Light Source	LED
Circuit structure	arrayLED
Optics	Spot
Light emission direction	frontal
Nominal power	10 W DC
Total Power	12 W
Source lumens	1817 lm
Nominal input voltage	220 - 240 V AC
Input voltage range	176 - 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	DALI-2 - PUSH DIM
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	0.412 Kg
Electrostatic discharge protection	Yes
Surge protection	2 KV

### Finishing casing

Material	Die-cast Aluminium EN AB - 46100
Colour	Black
Processing	Powder coating

The driver contained in the device complies with IEC 61347-2-13 annex J, and can therefore be powered by centralized power systems.



Projectors | 176-264 V AC /176-280 V DC | 1 arrayLED 10 W DC - 12 W AC | CRI 90 | Base  
**C01000BBMSP**

Single emission projectors for indoor application. The super warm white LED light source with a spot light distribution is composed of 1 arrayed LEDs with CCT of 2700 K and a CRI 90; the source luminous flux is 1817 lm, with a 181.7 lm/W nominal luminous efficacy.

The device body is made of die-cast aluminium en ab - 46100 and features a black finish, processed by means of powder coating. The ingress protection degree is IP20; the total weight is of 0.412 kg.

The total absorbed power is 12 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)	70 %
Source lumens	1817 lm
Delivered lumens	1287 lm
Consumption	12 W
Luminaire efficacy	107 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

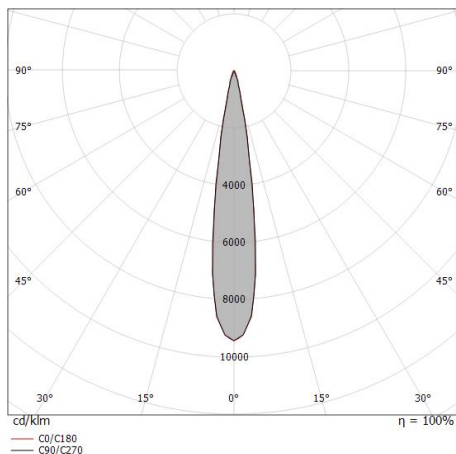
L70 B10 C0 252000h (at Tj 65 Ta 25 )

### UGR

UGR axial	14.5
UGR transversal	14.6
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20

### OPTICAL

C0/C180 optics	16°
Light distribution simmetry	Symmetrical



Distance [m]	Cone diameter [m]	illuminance [lx]
0.5	0.14 0.14	E(0°) 48530 E(C90) 23948 E(C0) 23912
1.0	0.29 0.28	E(0°) 12132 E(C90) 5987 E(C0) 5978
1.5	0.43 0.43	E(0°) 5392 E(C90) 2661 E(C0) 2657
2.0	0.58 0.57	E(0°) 3033 E(C90) 1497 E(C0) 1495
2.5	0.72 0.71	E(0°) 1941 E(C90) 958 E(C0) 956
3.0	0.86 0.85	E(0°) 1348 E(C90) 665 E(C0) 664

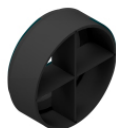
— C0/C180 (Half-peak divergence: 16.2°)  
 — C90/C270 (Half-peak divergence: 16.4°)

### COLOR VECTOR GRAPHIC



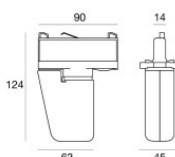


	<p>Optics                      Light distribution: adjustable,Cover material: uv resistant polycarbonate</p>	<p><b>Code</b>  <u>C-U100002</u></p>
	<p>Optics                      Light distribution: adjustable,Cover material: ,uv resistant polycarbonate,uv resistant polycarbonate,uv resistant polycarbonate</p>	<p><b>Code</b>  <u>C-U100003</u></p>
	<p>Optics                      Light distribution: adjustable,Cover material: ,uv resistant polycarbonate,uv resistant polycarbonate,uv resistant polycarbonate</p>	<p><b>Code</b>  <u>C-U100004</u></p>
	<p>Anti-glare - Accessory for focal kit with code 83347.                      Anti-glare Type: honeycomb louvre.                      Material:Pom-C, colour:Black.</p>	<p><b>Code</b>  <u>99841</u></p>
	<p>Anti-glare                      Anti-glare Type: honeycomb louvre.                      Material:Pom-C, colour:Black.</p>	<p><b>Code</b>  <u>C-U300043</u></p>
	<p>Diffuser                      Diffuser Type: elliptical filter</p>	<p><b>Code</b>  <u>C-U300044</u></p>
	<p>Anti-glare                      Anti-glare Type: cylindrical screen.                      Material:Pom-C, colour:Black.</p>	<p><b>Code</b>  <u>C-U300045</u></p>
	<p>Anti-glare                      Anti-glare Type: 45° cylindrical screen.                      Material:Pom-C, colour:Black.</p>	<p><b>Code</b>  <u>C-U300046</u></p>



Anti-glare  
 Anti-glare Type: cross louvres.  
 Material:Pom-C, colour:Black.

**Code**  
C-U300047



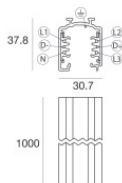
Electronic accessory - TWIL-DALI controller for devices with DALI protocol installed on three-phase track.  
 installation position: ceiling L=90mm, H=124mm, D=45mm.  
 Material:ABS Plastic, colour:black.

**Code**  
C-E700008



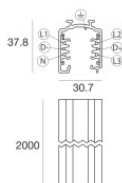
Optics  
 Light distribution: adjustable,Cover material: ,aluminium

**Code**  
83347



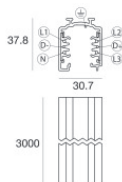
Track  
 Length: 1000mm; Type of track: Standard.  
 Material:Aluminium, colour:White, processing:Coating.

**Finish**    **Code**  
White    83336



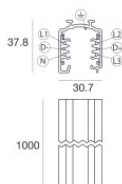
Track  
 Length: 2000mm; Type of track: Standard.  
 Material:Aluminium, colour:White, processing:Coating.

**Finish**    **Code**  
White    83337



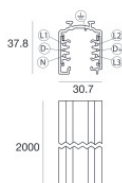
Track  
 Length: 3000mm; Type of track: Standard.  
 Material:Aluminium, colour:White, processing:Coating.

**Finish**    **Code**  
White    83338



Track  
 Length: 1000mm; Type of track: Standard.  
 Material:Aluminium, colour:Black, processing:Coating.

**Finish**    **Code**  
Black    83339



Track  
 Length: 2000mm; Type of track: Standard.  
 Material:Aluminium, colour:Black, processing:Coating.

**Finish**    **Code**  
Black    83340



		<p>Track - Three-phase Recessed White DALI Track, 1 m (9000-1/W-R)                      Length: 1000mm; Type of track: Standard.                      Material:Aluminium, colour:White, processing:Coating.</p>	<table border="1"> <thead> <tr> <th>Finish</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>White</td> <td>80990</td> </tr> </tbody> </table>	Finish	Code	White	80990
Finish	Code						
White	80990						
		<p>Track - Three-phase Recessed White DALI Track, 2 m (9000-2/W-R)                      Length: 2000mm; Type of track: Standard.                      Material:Aluminium, colour:White, processing:Coating.</p>	<table border="1"> <thead> <tr> <th>Finish</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>White</td> <td>80991</td> </tr> </tbody> </table>	Finish	Code	White	80991
Finish	Code						
White	80991						
		<p>Track                      Length: 3000mm; Type of track: Standard.                      Material:Aluminium, colour:Black, processing:Coating.</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						
		<p>Track - Three-phase Recessed Grey DALI Track, 1 m (9000-1/B-R)                      Length: 1000mm; Type of track: Standard.                      Material:Aluminium, colour:Black, processing:Coating.</p>	<table border="1"> <thead> <tr> <th>Finish</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>Black</td> <td>80993</td> </tr> </tbody> </table>	Finish	Code	Black	80993
Finish	Code						
Black	80993						
		<p>Track - Three-phase Recessed White DALI Track, 3 m ( 9000-3/W-R)                      Length: 3000mm; Type of track: Standard.                      Material:Aluminium, colour:White, processing:Coating.</p>	<table border="1"> <thead> <tr> <th>Finish</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>White</td> <td>80992</td> </tr> </tbody> </table>	Finish	Code	White	80992
Finish	Code						
White	80992						
		<p>Track - Three-phase Recessed Black DALI Track, 2 m (9000-1/B-R)                      Length: 2000mm; Type of track: Standard.                      Material:Aluminium, colour:Black, processing:Coating.</p>	<table border="1"> <thead> <tr> <th>Finish</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>Black</td> <td>80994</td> </tr> </tbody> </table>	Finish	Code	Black	80994
Finish	Code						
Black	80994						
		<p>Track - Three-phase Recessed Black DALI Track, 3 m (9000-3/B-R)                      Length: 3000mm; Type of track: Standard.                      Material:Aluminium, colour:Black, processing:Coating.</p>	<table border="1"> <thead> <tr> <th>Finish</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>Black</td> <td>80995</td> </tr> </tbody> </table>	Finish	Code	Black	80995
Finish	Code						
Black	80995						
		<p>Power supply - White Right power supply header (9001/W)                      Material:PC, colour:white.</p>	<table border="1"> <thead> <tr> <th>Code</th> </tr> </thead> <tbody> <tr> <td>81033</td> </tr> </tbody> </table>	Code	81033		
Code							
81033							



		<p>Power supply - Black Right power supply header (9001/B)                      Material:PC, colour:black.</p>	<p><b>Code</b>                      81034</p>
		<p>Power supply - White left power supply header (9002/W)                      Material:PC, colour:white.</p>	<p><b>Code</b>                      81036</p>
		<p>Power supply - Black left power supply header (9002/B)                      Material:PC, colour:black.</p>	<p><b>Code</b>                      81037</p>
		<p>Junction - White power supply junction - central (9010/W)                      Type linear.                      Material:PC, colour:white.</p>	<p><b>Finish</b>                      White</p> <p><b>Code</b>                      81042</p>
		<p>Junction - Black power supply junction - centrale (9010/B)                      Type linear.                      Material:PC, colour:black.</p>	<p><b>Finish</b>                      Black</p> <p><b>Code</b>                      81043</p>
		<p>Junction - Flexible white junction (9018/W)                      Type flexible curve.                      Material:PC, colour:white.</p>	<p><b>Finish</b>                      White</p> <p><b>Code</b>                      81066</p>
		<p>Junction - Left white T junction - external (9013/W)                      Type linear.                      Material:PC, colour:white.</p>	<p><b>Finish</b>                      White</p> <p><b>Code</b>                      81051</p>
		<p>Junction - Flexible black junction (9018/B)                      Type flexible curve.                      Material:PC, colour:black.</p>	<p><b>Finish</b>                      Black</p> <p><b>Code</b>                      81067</p>

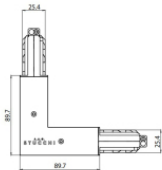


		<p>Junction - Black left T junction - external (9013/B)                      Type linear.                      Material:PC, colour:black.</p>	<table border="1"> <thead> <tr> <th>Finish</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>Black</td> <td>81052</td> </tr> </tbody> </table>	Finish	Code	Black	81052
Finish	Code						
Black	81052						
		<p>Junction - Right black T junction - external (9014/B)                      Type linear.                      Material:PC, colour:black.</p>	<table border="1"> <thead> <tr> <th>Finish</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>Black</td> <td>81055</td> </tr> </tbody> </table>	Finish	Code	Black	81055
Finish	Code						
Black	81055						
		<p>Junction - Right white T junction - external (9014/W)                      Type linear.                      Material:PC, colour:white.</p>	<table border="1"> <thead> <tr> <th>Finish</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>White</td> <td>81054</td> </tr> </tbody> </table>	Finish	Code	White	81054
Finish	Code						
White	81054						
		<p>Closing cap - Black end cap 9004/B                      Material:PC, colour:black.</p>	<table border="1"> <thead> <tr> <th>Code</th> </tr> </thead> <tbody> <tr> <td>81000</td> </tr> </tbody> </table>	Code	81000		
Code							
81000							
		<p>Junction - White electrical junction - internal (9003/W)                      Type linear.                      Material:PC, colour:white.</p>	<table border="1"> <thead> <tr> <th>Finish</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>White</td> <td>81039</td> </tr> </tbody> </table>	Finish	Code	White	81039
Finish	Code						
White	81039						
		<p>Junction - Black electrical junction - internal (9003/B)                      Type linear.                      Material:PC, colour:black.</p>	<table border="1"> <thead> <tr> <th>Finish</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>Black</td> <td>81040</td> </tr> </tbody> </table>	Finish	Code	Black	81040
Finish	Code						
Black	81040						
		<p>Junction - White L junction - internal (9011/W)                      Type linear.                      Material:PC, colour:white.</p>	<table border="1"> <thead> <tr> <th>Finish</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>White</td> <td>81045</td> </tr> </tbody> </table>	Finish	Code	White	81045
Finish	Code						
White	81045						
		<p>Junction - Black L junction - internal (9011/B)                      Type linear.                      Material:PC, colour:black.</p>	<table border="1"> <thead> <tr> <th>Finish</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>Black</td> <td>81046</td> </tr> </tbody> </table>	Finish	Code	Black	81046
Finish	Code						
Black	81046						



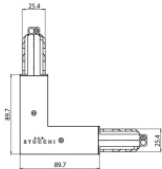
Closing cap - White end cap 9004/W  
 Material:PC, colour:white.

**Code**  
 80999



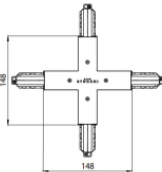
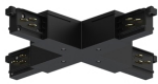
Junction - Black L junction - external (9012/B)  
 Type linear.  
 Material:PC, colour:black.

**Finish**  
 Black **Code**  
 81049



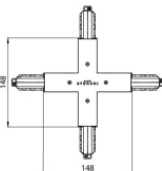
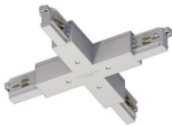
Junction - White L junction - external (9012/W)  
 Type linear.  
 Material:PC, colour:white.

**Finish**  
 White **Code**  
 81048



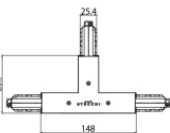
Junction - Black X junction (9017/B)  
 Type linear.  
 Material:PC, colour:black.

**Finish**  
 Black **Code**  
 81064



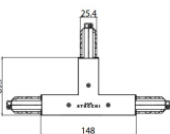
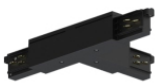
Junction - White X junction (9017/W)  
 Type linear.  
 Material:PC, colour:white.

**Finish**  
 White **Code**  
 81063



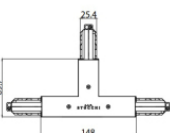
Junction - Left white T junction - internal (9015/W)  
 Type linear.  
 Material:PC, colour:white.

**Finish**  
 White **Code**  
 81057



Junction - Left black T junction - internal (9015/B)  
 Type linear.  
 Material:PC, colour:black.

**Finish**  
 Black **Code**  
 81058



Junction - Right White T junction - internal (9016/W)  
 Type linear.  
 Material:PC, colour:white.

**Finish**  
 White **Code**  
 81060





		<p>Junction - Right black T junction - internal (9016/B)                      Type linear.                      Material:PC, colour:black.</p>	<p><b>Finish</b>  <span style="background-color: black; color: white; padding: 2px;">Black</span></p> <p><b>Code</b>  <span style="border-bottom: 1px solid black;">81061</span></p>
		<p>Closing cap - Recessed black end cap 9004-R/B                      Material:PC, colour:black.</p>	<p><b>Code</b>  <span style="border-bottom: 1px solid black;">81003</span></p>
		<p>Ceiling rose - 1.5m white pendant luminaires kit + bracket (9000-KIT5-1,5-W)                      Material:plastic, colour:white.</p>	<p><b>Code</b>  <span style="border-bottom: 1px solid black;">81012</span></p>
		<p>Closing cap - Recessed white end cap 9004-R/W                      Material:PC, colour:white.</p>	<p><b>Code</b>  <span style="border-bottom: 1px solid black;">81002</span></p>
		<p>Ceiling rose - 1.5m black pendant luminaires kit + bracket ((9000-KIT5-1,5-B)                      Material:plastic, colour:black.</p>	<p><b>Code</b>  <span style="border-bottom: 1px solid black;">81014</span></p>
		<p>Ceiling rose - 5m white pendant luminaires kit + bracket (9000-KIT5-5-W)                      Material:plastic, colour:white.</p>	<p><b>Code</b>  <span style="border-bottom: 1px solid black;">81013</span></p>
		<p>Ceiling rose - 5m black pendant luminaires kit + bracket (9000-KIT5-5-B)                      Material:plastic, colour:black.</p>	<p><b>Code</b>  <span style="border-bottom: 1px solid black;">81015</span></p>
		<p>Suspensions - Black rigid suspension 1m (S-9000-P3-B)                      Material:plastic, colour:black.</p>	<p><b>Code</b>  <span style="border-bottom: 1px solid black;">81022</span></p>



		<p>Bracket - Anodized fixing bracket (S-9000/131)                      L=35mm, H=14mm, D=24mm.                      Material:Aluminium, colour:translucent.</p>	<table border="1"> <thead> <tr> <th>Finish</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>Anod. Al.</td> <td>81086</td> </tr> </tbody> </table>	Finish	Code	Anod. Al.	81086
Finish	Code						
Anod. Al.	81086						
		<p>Suspensions - White rigid suspension 1m (S-9000-P3-W)                      Material:plastic, colour:white.</p>	<table border="1"> <thead> <tr> <th>Code</th> </tr> </thead> <tbody> <tr> <td>81021</td> </tr> </tbody> </table>	Code	81021		
Code							
81021							
		<p>Bracket - White fixing braket (S-9000/131-W)                      L=35mm, H=14mm, D=24mm.                      Material:Aluminium, colour:white, processing:Coating.</p>	<table border="1"> <thead> <tr> <th>Finish</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>White</td> <td>81087</td> </tr> </tbody> </table>	Finish	Code	White	81087
Finish	Code						
White	81087						
		<p>Bracket - Black fixing braket (S-9000/131-B)                      L=35mm, H=14mm, D=24mm.                      Material:Aluminium, colour:Black, processing:Coating.</p>	<table border="1"> <thead> <tr> <th>Finish</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>Black</td> <td>81088</td> </tr> </tbody> </table>	Finish	Code	Black	81088
Finish	Code						
Black	81088						
		<p>Cable cover - White recessed cover (S-9001-R/6-W)                      Material:PC, colour:white.</p>	<table border="1"> <thead> <tr> <th>Code</th> </tr> </thead> <tbody> <tr> <td>81069</td> </tr> </tbody> </table>	Code	81069		
Code							
81069							
		<p>Cable cover - Black recessed cover (S-9001-R/6-B)                      Material:PC, colour:black.</p>	<table border="1"> <thead> <tr> <th>Code</th> </tr> </thead> <tbody> <tr> <td>81070</td> </tr> </tbody> </table>	Code	81070		
Code							
81070							
		<p>Cable cover - White cover for recessed L junction (S-9011-R/6-W)                      Material:PC, colour:white.</p>	<table border="1"> <thead> <tr> <th>Code</th> </tr> </thead> <tbody> <tr> <td>81075</td> </tr> </tbody> </table>	Code	81075		
Code							
81075							
		<p>Cable cover                      Material:PC, colour:black.</p>	<table border="1"> <thead> <tr> <th>Code</th> </tr> </thead> <tbody> <tr> <td>81076</td> </tr> </tbody> </table>	Code	81076		
Code							
81076							

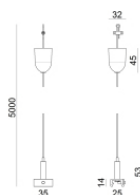


		<p>Cable cover - White cover for recessed X junction (S-9017-R/6-W)            Material:PC, colour:white.</p>	<p><b>Code</b>  <u>81081</u></p>
		<p>Cable cover - Black cover for recessed X junction (S-9017-R/6-B)            Material:PC, colour:black.</p>	<p><b>Code</b>  <u>81082</u></p>
		<p>White three-phase adapter (9009-4/W)</p>	<p><b>Code</b>  <u>81091</u></p>
		<p>Black three-phase adapter (9009-4/B)</p>	<p><b>Code</b>  <u>81093</u></p>
		<p>Tool - Cutter S-9000/T</p>	<p><b>Code</b>  <u>81005</u></p>
		<p>Suspensions - 1.5m white pendant luminaires kit (9000-KIT3-1,5-W)            Material:plastic, colour:white.</p>	<p><b>Code</b>  <u>81006</u></p>
		<p>Suspensions - 1.5m black pendant luminaires kit (9000-KIT3-1,5-B)            Material:plastic, colour:black.</p>	<p><b>Code</b>  <u>81008</u></p>
		<p>Suspensions - 5m white pendant luminaires kit (9000-KIT3-5-W)            Material:plastic, colour:white.</p>	<p><b>Code</b>  <u>81007</u></p>



Suspensions - White rigid suspension clip (S-9000-P2-W)  
 Material:plastic, colour:white.

**Code**  
81018



Suspensions - 5m black pendant luminaires kit (9000-KIT3-5-B)  
 Material:plastic, colour:black.

**Code**  
81009



Suspensions - Black rigid suspension clip (S-9000-P2-B)  
 Material:plastic, colour:black.

**Code**  
81019



Bracket - Anodized stiffening bracket (S-9000/333)  
 L=180mm, H=24mm, D=26mm.


Material:Aluminium, colour:Anodised Aluminum, processing:Anodisation.

**Finish**  
 **Code**  
81024



Bracket - White stiffening bracket (S-9000/333-W)  
 L=180mm, H=24mm, D=20mm.

Material:Aluminium, colour:white RAL 9010, processing:Coating.

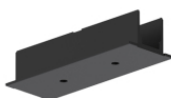
**Finish**  
 **Code**  
81025



Bracket - Black stiffening bracket (S-9000/333-B)  
 L=180mm, H=24mm, D=20mm.

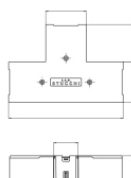
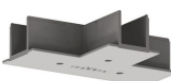
Material:Aluminium, colour:black RAL 9005, processing:Coating.

**Finish**  
 **Code**  
81026



Cable cover - Black cover for recessed junction (S-9010-R/6-B)  
 Material:PC, colour:black.

**Code**  
81073



Cable cover - White cover for recessed T junction (S-9013-R/6-W)  
 Material:PC, colour:white.

**Code**  
81078



		<p>Cable cover - White cover for recessed junction (S-9010-R/6-W)            Material:PC, colour:white.</p>	<p><b>Code</b>  <u>81072</u></p>
		<p>Cable cover - Black cover for recessed T junction (S-9013-R/6-B)            Material:PC, colour:black.</p>	<p><b>Code</b>  <u>81079</u></p>
		<p>Cable cover            Material:black, colour:black.</p>	<p><b>Code</b>  <u>83250</u></p>
		<p>Cable cover            Material:white.</p>	<p><b>Code</b>  <u>83249</u></p>
		<p>Closing cap - White gasket (S-9001/115-W)            Material:white.</p>	<p><b>Code</b>  <u>81084</u></p>
		<p>Closing cap - Black gasket (S-9001/115-B)            Material:black, colour:black.</p>	<p><b>Code</b>  <u>81085</u></p>
		<p>White three-phase/DALI adapter (9009/W)</p>	<p><b>Code</b>  <u>81094</u></p>
		<p>Black three-phase/DALI adapter (9009/B)</p>	<p><b>Code</b>  <u>81095</u></p>

