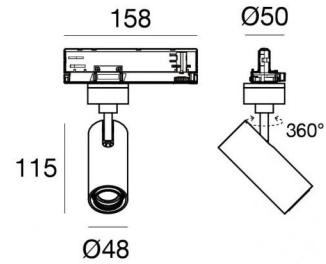


Projectors | 198-264 V  
1 arrayLED 13 W DC - 15.5 W AC | CRI 98  
**83799W15**



Technical data	
Type	Track
Installation position	Ceiling
Installation environment	Indoor
Light Source	LED
Circuit structure	arrayLED
Optics	Spot
Light emission direction	frontal
Nominal power	13 W DC
Total Power	15.5 W
Source lumens	1482 lm
Nominal input voltage	220 - 240 V AC
Input voltage range	198 - 264 V AC
Frequency	50 - 60 Hz
CCT / Tone	3000 K
Colour rendering index	98 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	Bluetooth
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
Optics technology	Anti - Glare

### Finishing casing

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

Technology Partner  
**SILVAIR**

Projectors | 198-264 V | 1 arrayLED 13 W DC - 15.5 W AC | CRI 98 | Base 83799W15

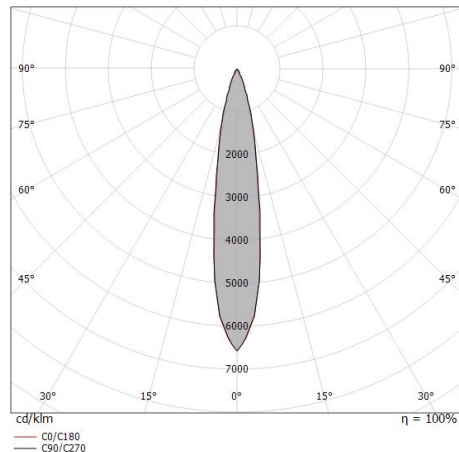
Single emission projectors for indoor application. The warm white LED light source with a spot light distribution is composed of 1 arrayed LEDs with CCT of 3000 K and a CRI 98; the source luminous flux is 1482 lm, with a 114.0 lm/W nominal luminous efficacy.

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]	illuminance [lx]
0.5	0.16 0.16	E(0°) 24888 E(C90) 11987 E(C0) 12153
1.0	0.32 0.31	E(0°) 6222 E(C90) 2997 E(C0) 3038
1.5	0.49 0.47	E(0°) 2765 E(C90) 1332 E(C0) 1350
2.0	0.65 0.63	E(0°) 1555 E(C90) 749 E(C0) 760
2.5	0.81 0.78	E(0°) 996 E(C90) 479 E(C0) 486
3.0	0.97 0.94	E(0°) 691 E(C90) 333 E(C0) 338

— C0/C180 (Half-peak divergence: 17.8°)  
— C90/C270 (Half-peak divergence: 18.4°)

### Energy efficiency class

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

### Illuminotechnical Features

Light Output Ratio (LOR)	63 %
Source lumens	1482 lm
Delivered lumens	947 lm
Consumption	15.5 W
Luminaire efficacy	61 lm/W
Colour temperature	3000 K
Standard Deviation of Colour Matching	2 Step MacAdam
Colour rendering index	98 Ra
Black Body Locus	Below
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 )

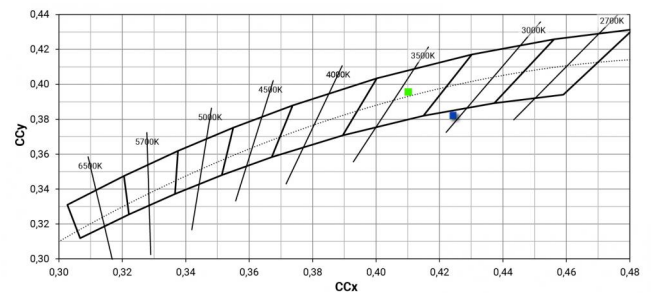
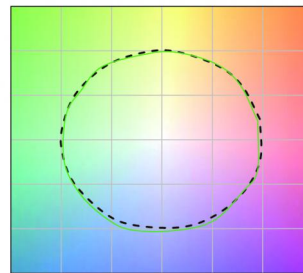
### UGR

UGR axial	13.4
UGR transversal	13.2
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20

### OPTICAL

C0/C180 optics	18°
Light distribution simmetry	Symmetrical

### COLOR VECTOR GRAPHIC



Pound\_T | Projectors | Accessories  
**83799W15**



Optics  
 Light distribution: spot,Cover material: uv resistant polycarbonate

**Code**  
99805



Optics  
 Light distribution: medium flood,Cover material: uv resistant polycarbonate

**Code**  
99806



Optics  
 Light distribution: flood,Cover material: uv resistant polycarbonate

**Code**  
99807



Anti-glare  
 Anti-glare Type: 45° cylindrical screen.  
 Material:Pom-C, colour:Black.

**Code**  
99773



Anti-glare  
 Anti-glare Type: cylindrical screen.  
 Material:Pom-C, colour:Black.

**Code**  
99774



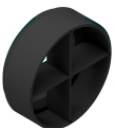
Diffuser  
 Diffuser Type: elliptical filter.  
 Material:Pom-C, colour:Black.

**Code**  
99775



Anti-glare  
 Anti-glare Type: honeycomb louvre.  
 Material:Pom-C, colour:Black.

**Code**  
99776



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

**Code**  
99777

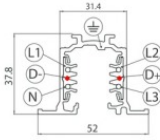
Pound\_T | Projectors | Accessories  
83799W15

		<p>Track 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>83336</td> </tr> </tbody> </table>	Finish	Code	White	83336
Finish	Code						
White	83336						
		<p>Track 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>83337</td> </tr> </tbody> </table>	Finish	Code	White	83337
Finish	Code						
White	83337						
		<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: 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>83340</td> </tr> </tbody> </table>	Finish	Code	Black	83340
Finish	Code						
Black	83340						
		<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>	<table border="1"> <thead> <tr> <th>Code</th> </tr> </thead> <tbody> <tr> <td>81034</td> </tr> </tbody> </table>	Code	81034		
Code							
81034							
		<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						

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**83799W15**

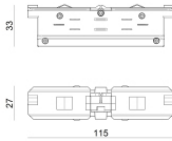
		<p>Track                      Length: 3000mm; Type of track: Standard.                      Material:Aluminium, colour:White, processing:Coating.</p>	<table border="1"> <thead> <tr> <th>Finish</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>White</td> <td>83338</td> </tr> </tbody> </table>	Finish	Code	White	83338
Finish	Code						
White	83338						
		<p>Junction - Black power supply junction - centrale (9010/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>81043</td> </tr> </tbody> </table>	Finish	Code	Black	81043
Finish	Code						
Black	81043						
		<p>Junction - White power supply junction - central (9010/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>81042</td> </tr> </tbody> </table>	Finish	Code	White	81042
Finish	Code						
White	81042						
		<p>Junction - Left white T junction - external (9013/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>81051</td> </tr> </tbody> </table>	Finish	Code	White	81051
Finish	Code						
White	81051						
		<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>Power supply - White left power supply header (9002/W)                      Material:PC, colour:white.</p>	<table border="1"> <thead> <tr> <th>Code</th> </tr> </thead> <tbody> <tr> <td>81036</td> </tr> </tbody> </table>	Code	81036		
Code							
81036							
		<p>Junction - Flexible white junction (9018/W)                      Type flexible curve.                      Material:PC, colour:white.</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>Closing cap - White end cap 9004/W                      Material:PC, colour:white.</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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**83799W15**



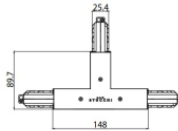
Track - Three-phase Recessed White DALI Track, 1 m (9000-1/W-R)  
 Length: 1000mm; Type of track: Standard.  
 Material:Aluminium, colour:White, processing:Coating.

Finish	Code
White	80990



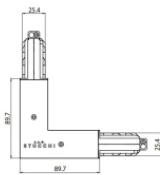
Junction - White electrical junction - internal (9003/W)  
 Type linear.  
 Material:PC, colour:white.

Finish	Code
White	81039



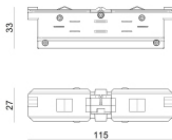
Junction - Right white T junction - external (9014/W)  
 Type linear.  
 Material:PC, colour:white.

Finish	Code
White	81054



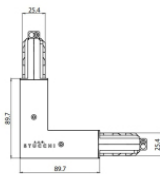
Junction - White L junction - internal (9011/W)  
 Type linear.  
 Material:PC, colour:white.

Finish	Code
White	81045



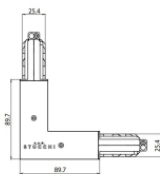
Junction - Black electrical junction - internal (9003/B)  
 Type linear.  
 Material:PC, colour:black.

Finish	Code
Black	81040



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

Finish	Code
White	81048



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

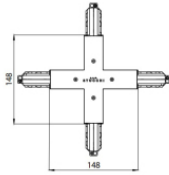
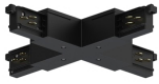
Finish	Code
Black	81049



Closing cap - Black end cap 9004/B  
 Material:PC, colour:black.

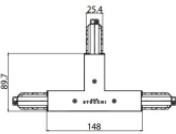
Code
81000

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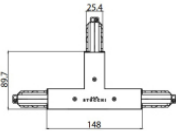
Junction - Black X junction (9017/B)  
Type linear.  
Material:PC, colour:black.

Finish	Code
Black	81064



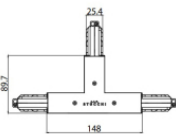
Junction - Left white T junction - internal (9015/W)  
Type linear.  
Material:PC, colour:white.

Finish	Code
White	81057



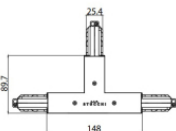
Junction - Left black T junction - internal (9015/B)  
Type linear.  
Material:PC, colour:black.

Finish	Code
Black	81058



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

Finish	Code
White	81060



Junction - Right black T junction - internal (9016/B)  
Type linear.  
Material:PC, colour:black.

Finish	Code
Black	81061



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

Code
81002



Closing cap - Recessed black end cap 9004-R/B  
Material:PC, colour:black.

Code
81003



Ceiling rose - 1.5m white pendant luminaires kit + bracket (9000-KIT5-1,5-W)  
Material:plastic, colour:white.

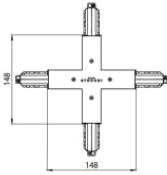
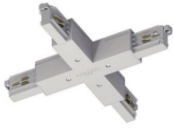
Code
81012

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83799W15

		<p>Ceiling rose - 1.5m black pendant luminaires kit + bracket ((9000-KIT5-1,5-B) Material:plastic, colour:black.</p>	<p><b>Code</b> 81014</p>
		<p>Ceiling rose - 5m white pendant luminaires kit + bracket (9000-KIT5-5-W) Material:plastic, colour:white.</p>	<p><b>Code</b> 81013</p>
		<p>Junction - Black L junction - internal (9011/B) Type linear. Material:PC, colour:black.</p>	<p><b>Finish</b> Black</p> <p><b>Code</b> 81046</p>
		<p>Suspensions - White rigid suspension 1m (S-9000-P3-W) Material:plastic, colour:white.</p>	<p><b>Code</b> 81021</p>
		<p>Suspensions - Black rigid suspension 1m (S-9000-P3-B) Material:plastic, colour:black.</p>	<p><b>Code</b> 81022</p>
		<p>Bracket - Anodized fixing bracket (S-9000/131) L=35mm, H=14mm, D=24mm. Material:Aluminium, colour:translucent.</p>	<p><b>Finish</b> Anod. Al.</p> <p><b>Code</b> 81086</p>
		<p>Bracket - White fixing braket (S-9000/131-W) L=35mm, H=14mm, D=24mm. Material:Aluminium, colour:white, processing:Coating.</p>	<p><b>Finish</b> White</p> <p><b>Code</b> 81087</p>
		<p>Bracket - Black fixing braket (S-9000/131-B) L=35mm, H=14mm, D=24mm. Material:Aluminium, colour:Black, processing:Coating.</p>	<p><b>Finish</b> Black</p> <p><b>Code</b> 81088</p>



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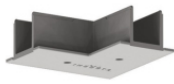
Junction - White X junction (9017/W)  
Type linear.  
Material:PC, colour:white.

Finish	Code
White	81063



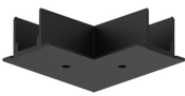
Ceiling rose - 5m black pendant luminaires kit + bracket (9000-KIT5-5-B)  
Material:plastic, colour:black.

Code
81015



Cable cover - White cover for recessed L junction (S-9011-R/6-W)  
Material:PC, colour:white.

Code
81075



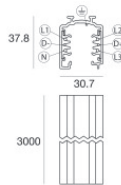
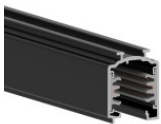
Cable cover  
Material:PC, colour:black.

Code
81076



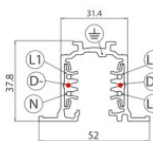
Cable cover - Black recessed cover (S-9001-R/6-B)  
Material:PC, colour:black.

Code
81070



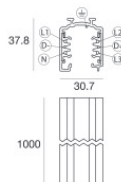
Track  
Length: 3000mm; Type of track: Standard.  
Material:Aluminium, colour:Black, processing:Coating.

Finish	Code
Black	83341



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.

Finish	Code
White	80992



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

Finish	Code
Black	83339

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	<p>Tool - Cutter S-9000/T</p>	<p><b>Code</b> 81005</p>
	<p>Junction - Flexible black junction (9018/B) Type flexible curve. Material:PC, colour:black.</p>	<p><b>Finish</b> Black <b>Code</b> 81067</p>
	<p>Cable cover - White recessed cover (S-9001-R/6-W) Material:PC, colour:white.</p>	<p><b>Code</b> 81069</p>
	<p>Suspensions - 5m white pendant luminaire kit (9000-KIT3-5-W) Material:plastic, colour:white.</p>	<p><b>Code</b> 81007</p>
	<p>Suspensions - 5m black pendant luminaire kit (9000-KIT3-5-B) Material:plastic, colour:black.</p>	<p><b>Code</b> 81009</p>
	<p>Suspensions - 1.5m black pendant luminaire kit (9000-KIT3-1,5-B) Material:plastic, colour:black.</p>	<p><b>Code</b> 81008</p>
	<p>Suspensions - Black rigid suspension clip (S-9000-P2-B) Material:plastic, colour:black.</p>	<p><b>Code</b> 81019</p>
	<p>Cable cover - White cover for recessed X junction (S-9017-R/6-W) Material:PC, colour:white.</p>	<p><b>Code</b> 81011</p>

Pound\_T | Projectors | Accessories  
83799W15

		<p>Black three-phase adapter (9009-4/B)</p>	<p><b>Code</b> 81093</p>
		<p>Bracket - Black stiffening bracket (S-9000/333-B) L=180mm, H=24mm, D=20mm. Material:Aluminium, colour:black RAL 9005, processing:Coating.</p>	<p><b>Finish</b> Black <b>Code</b> 81026</p>
		<p>Power supply - Black left power supply header (9002/B) Material:PC, colour:black.</p>	<p><b>Code</b> 81037</p>
		<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>	<p><b>Finish</b> Black <b>Code</b> 80993</p>
		<p>Cable cover - Black cover for recessed X junction (S-9017-R/6-B) Material:PC, colour:black.</p>	<p><b>Code</b> 81082</p>
		<p>Bracket - White stiffening bracket (S-9000/333-W) L=180mm, H=24mm, D=20mm. Material:Aluminium, colour:white RAL 9010, processing:Coating.</p>	<p><b>Finish</b> White <b>Code</b> 81025</p>
		<p>Cable cover - White cover for recessed T junction (S-9013-R/6-W) Material:PC, colour:white.</p>	<p><b>Code</b> 81078</p>
		<p>Suspensions - White rigid suspension clip (S-9000-P2-W) Material:plastic, colour:white.</p>	<p><b>Code</b> 81018</p>

Pound\_T | Projectors | Accessories  
83799W15

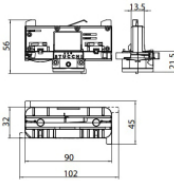
	<p>Cable cover Material:black, colour:black.</p>	<p><b>Code</b> 83250</p>	
	<p>Cable cover Material:white.</p>	<p><b>Code</b> 83249</p>	
		<p>Junction - Right black T junction - external (9014/B) Type linear. Material:PC, colour:black.</p>	<p><b>Finish</b> Black <b>Code</b> 81055</p>
		<p>Cable cover - White cover for recessed junction (S-9010-R/6-W) Material:PC, colour:white.</p>	<p><b>Code</b> 81072</p>
		<p>Bracket - Anodized stiffening bracket (S-9000/333) L=180mm, H=24mm, D=26mm. Material:Aluminium, colour:Anodised Aluminum, processing:Anodisation.</p>	<p><b>Finish</b>  <b>Code</b> 81024</p>
		<p>Closing cap - White gasket (S-9001/115-W) Material:white.</p>	<p><b>Code</b> 81084</p>
		<p>Cable cover - Black cover for recessed T junction (S-9013-R/6-B) Material:PC, colour:black.</p>	<p><b>Code</b> 81079</p>
		<p>Cable cover - Black cover for recessed junction (S-9010-R/6-B) Material:PC, colour:black.</p>	<p><b>Code</b> 81073</p>

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**83799W15**



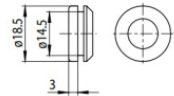
Suspensions - 1.5m white pendant luminaires kit (9000-KIT3-1,5-W)  
 Material:plastic, colour:white.

**Code**  
81006



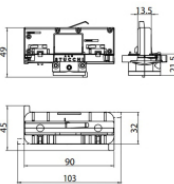
White three-phase adapter (9009-4/W)

**Code**  
81091



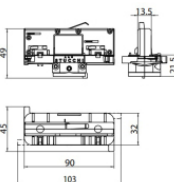
Closing cap - Black gasket (S-9001/115-B)  
 Material:black, colour:black.

**Code**  
81085



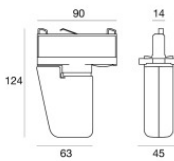
White three-phase/DALI adapter (9009/W)

**Code**  
81094



Black three-phase/DALI adapter (9009/B)

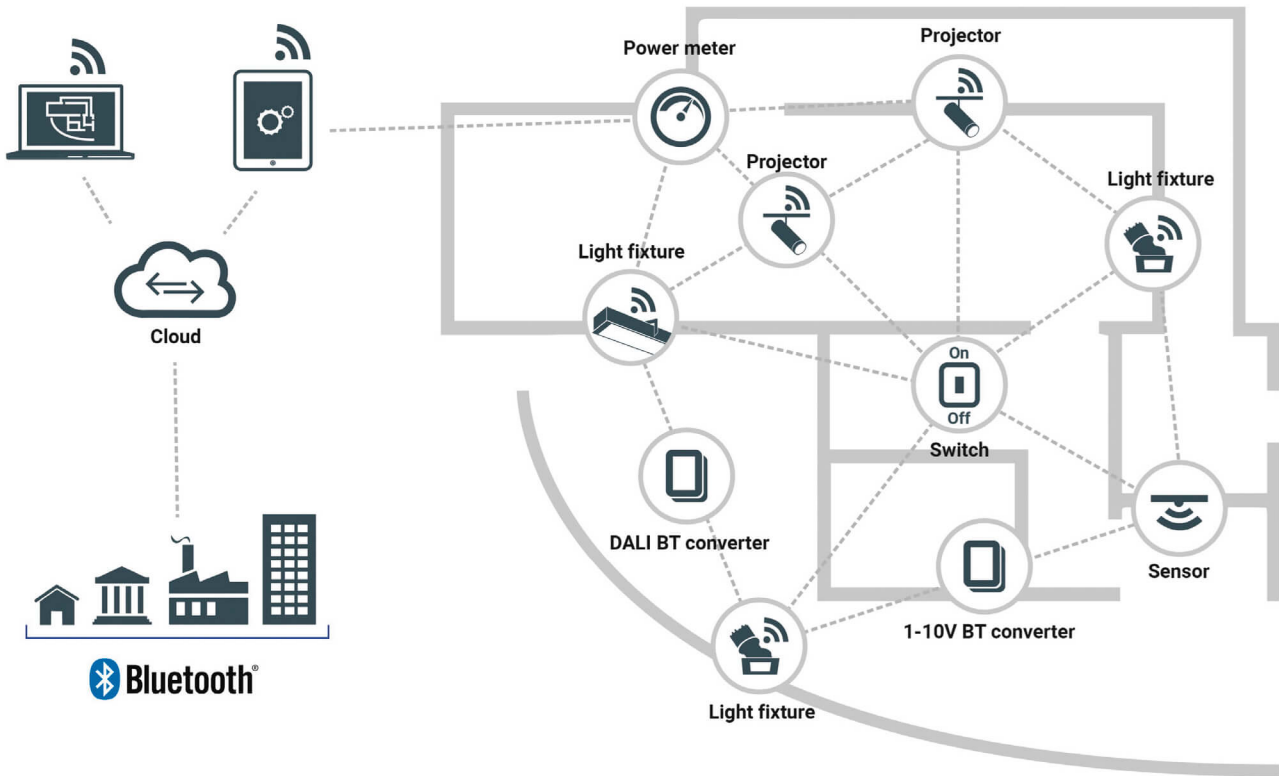
**Code**  
81095



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

### Wiring Diagram



#### Identify

The first time the device is turned on and every time it gets resetted, the system identify the lamps. The identification consists in an animation called "Attention event" with a 40% dimming for 500ms, 100% dimming for 500ms. The blue status LED blinks during identification too, 500msON/500ms OFF.

#### Bluetooth - Factory reset for Bluetooth device

A factory reset of the bluetooth device will change the device status in the network mesh from provisioned to not provisioned, all the network settings will be lost. This feature is necessary to reset the connection of a device which cannot be longer controlled. To perform the factory reset action on the device a magnet must be placed on the shown symbol on the box containing the bluetooth module. Keep contact for 5 seconds. Once the factory reset operation is done the system will identify the device.



#### Antenna

The antenna is incorporated into the article.

#### LED Blinking

The blue status LED placed on the box containing the Bluetooth interface performs a blink pattern depending on the lamp status.

#### Quick blinking/slow blinking

The LED blinks fast if the lamp is not connected to the network (every 300ms)  
The LED blinks slowly if the lamp is connected to the network (every 2s)

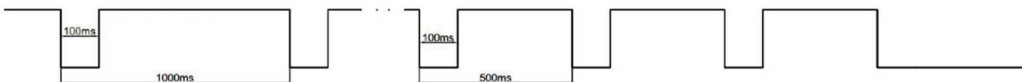
#### Unprovisioned



#### Provisioned



#### Factory Reset



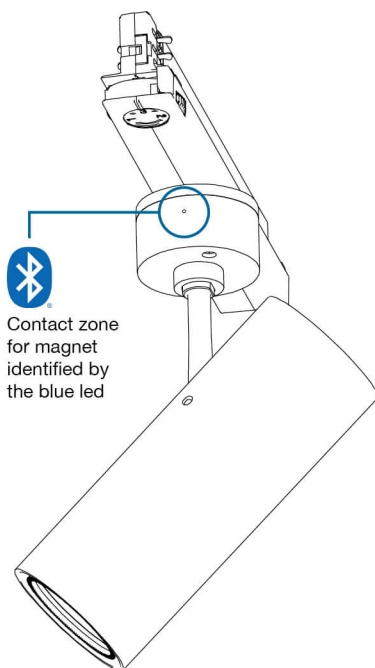
#### Mesh packet received



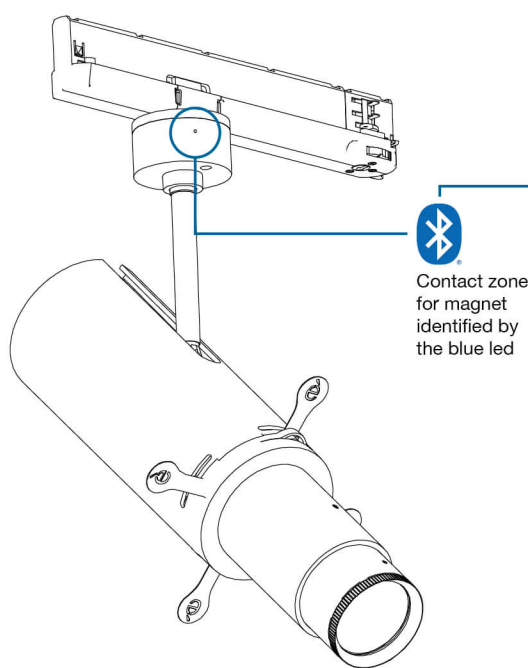
## Other informations

- If the device is encased in a box, the wireless range may be affected, especially by metallic surfaces. Wireless range must be verified.
- An unprovisioned device requires 30 seconds to be shown as available to provisioning after turning on
- The device successfully passed the SILVAIR test process
- Supporting EnOcean switch 83017
- Supporting Murata 83016 sensors
- The device can be operated with the SILVAIR app available for Apple phones and tablets
- Check the SILVAIR guide for more informations <https://silvair.com/resources/product-documents/>
- Linea Light has no responsibility for any third party instrument and does not provide any declaration, explicit or implicit, about the availability and/or the performances of said instrument.

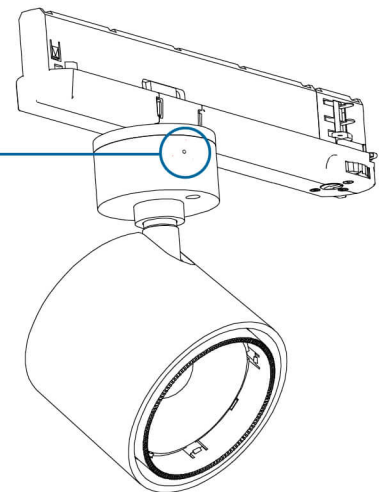
### POUND\_T POUND FOCUS



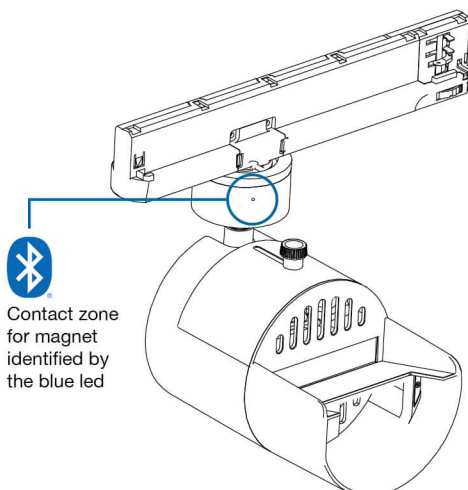
### POUND SHAPER



### OPTUS\_T



### OPTUS\_Ww



### Base NAVATA OPTUS NAVATA POUND SHAPER

