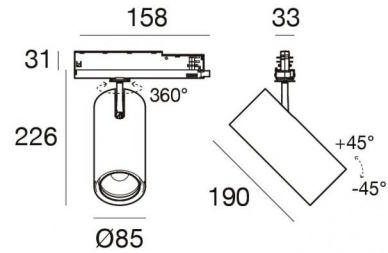




Projectors | 176-264 V | 1 arrayLED 34 W DC - 39 W AC | CRI 98
81640M60



Technical data	
Type	Track
Installation position	Ceiling
Installation environment	Indoor
Light Source	LED
Circuit structure	arrayLED
Optics	Medium Wide Flood
Light emission direction	frontal
Nominal power	34 W DC
Total Power	39 W
Source lumens	4460 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	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	No
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	0.92 Kg
Electrostatic discharge protection	Yes
Surge protection	2 KV
Optics technology	Anti - Glare

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



Projectors | 176-264 V | 1 arrayLED 34 W DC - 39 W AC | CRI 98 | Base 81640M60

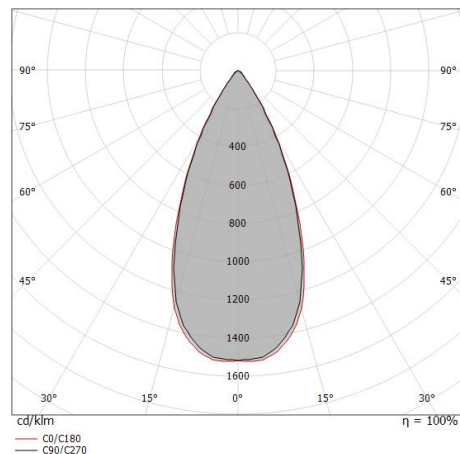
Single emission projectors for indoor application. The super warm white LED light source with a medium wide flood light distribution is composed of 1 arrayed LEDs with CCT of 2700 K and a CRI 98; the source luminous flux is 4460 lm, with a 131.2 lm/W nominal luminous efficacy.

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 0.92 kg.

The total absorbed power is 39 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	0.43 0.43	E(0°) 19625 E(C90) 7637 E(C0) 7672
1.0	0.86 0.87	E(0°) 4906 E(C90) 1909 E(C0) 1918
1.5	1.29 1.30	E(0°) 2181 E(C90) 949 E(C0) 852
2.0	1.71 1.74	E(0°) 1227 E(C90) 477 E(C0) 479
2.5	2.14 2.17	E(0°) 785 E(C90) 305 E(C0) 307
3.0	2.57 2.61	E(0°) 545 E(C90) 212 E(C0) 213

— C0/C180 (Half-peak divergence: 47.0°)
— C90/C270 (Half-peak divergence: 46.4°)

Energy efficiency class

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

Illuminotechnical Features

Light Output Ratio (LOR)	72 %
Source lumens	4460 lm
Delivered lumens	3232 lm
Consumption	39 W
Luminaire efficacy	82 lm/W
Colour temperature	2700 K
Standard Deviation of Colour Matching	2 Step MacAdam
Colour rendering index	98 Ra
Black Body Locus	On
Standard Operating Ambient Temperature	-20 / +50°C
Ordinary temperature on the glass	40°C

LED Life / Failure Ratio

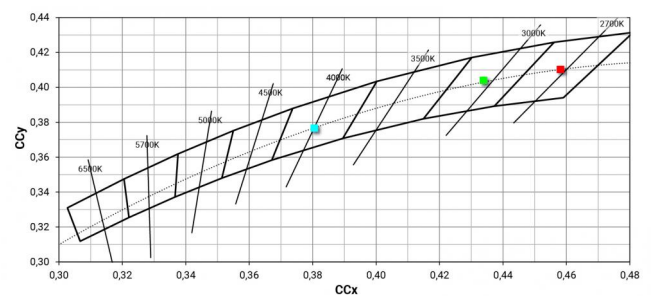
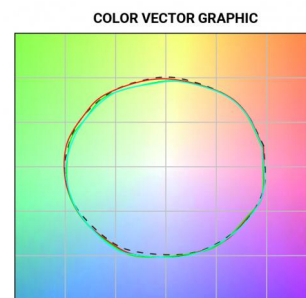
L70 B10 C0 252000h (at Tj 65 Ta 25)

UGR

UGR axial	22
UGR transversal	22.1
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL


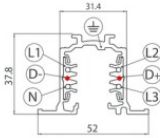
C0/C180 optics	46°
Light distribution simmetry	Symmetrical





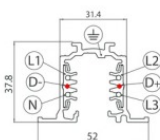



	<p>Optics - SPOT Light distribution: spot,Cover material: uv resistant polycarbonate</p>	<p>Code <u>C-U300015</u></p>	
	<p>Optics - WIDE FLOOD Light distribution: medium flood,Cover material: uv resistant polycarbonate</p>	<p>Code <u>C-U300017</u></p>	
	<p>Anti-glare Anti-glare Type: honeycomb louvre. Material:Pom-C, colour:Black.</p>	<p>Code <u>C-U300014</u></p>	
	<p>Anti-glare Anti-glare Type: cylindrical screen. Material:Pom-C, colour:Black.</p>	<p>Code <u>C-U300029</u></p>	
	<p>Anti-glare Anti-glare Type: 45° cylindrical screen. Material:Pom-C, colour:Black.</p>	<p>Code <u>C-U300030</u></p>	
		<p>Track Length: 1000mm; Type of track: Standard. Material:Aluminium, colour:White, processing:Coating.</p>	<p>Finish Code White 83336</p>
		<p>Track Length: 3000mm; Type of track: Standard. Material:Aluminium, colour:White, processing:Coating.</p>	<p>Finish Code White 83338</p>
		<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>	<p>Finish Code White 80990</p>


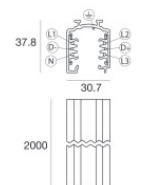



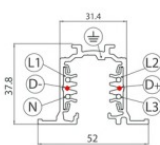
		<p>Track - Three-phase Recessed White DALI Track, 2 m (9000-2/W-R) Length: 2000mm; Type of track: Standard. Material:Aluminium, colour:White, processing:Coating.</p>	<table border="1"> <thead> <tr> <th>Finish</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>White</td> <td>80991</td> </tr> </tbody> </table>	Finish	Code	White	80991
Finish	Code						
White	80991						


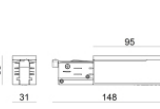
	<p>Diffuser - Not compatible with 60° optics</p>	<table border="1"> <thead> <tr> <th>Code</th> </tr> </thead> <tbody> <tr> <td>C-U300013</td> </tr> </tbody> </table>	Code	C-U300013
Code				
C-U300013				


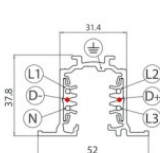
		<p>Track - Three-phase Recessed Grey DALI Track, 1 m (9000-1/B-R) Length: 1000mm; Type of track: Standard. Material:Aluminium, colour:Black, processing:Coating.</p>	<table border="1"> <thead> <tr> <th>Finish</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>Black</td> <td>80993</td> </tr> </tbody> </table>	Finish	Code	Black	80993
Finish	Code						
Black	80993						

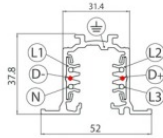
	<p>Optics - FLOOD Light distribution: flood,Cover material: uv resistant polycarbonate</p>	<table border="1"> <thead> <tr> <th>Code</th> </tr> </thead> <tbody> <tr> <td>C-U300016</td> </tr> </tbody> </table>	Code	C-U300016
Code				
C-U300016				

		<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 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						

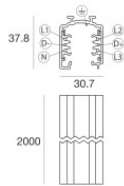
		<p>Power supply - Black Right power supply header (9001/B) Material:PC, colour:black.</p>	<table border="1"> <thead> <tr> <th>Code</th> </tr> </thead> <tbody> <tr> <td>81034</td> </tr> </tbody> </table>	Code	81034
Code					
81034					

		<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						



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.

Finish	Code
Black	80995



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

Finish	Code
White	83337



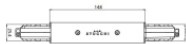
Junction - Black power supply junction - centrale (9010/B)
Type linear.
Material:PC, colour:black.

Finish	Code
Black	81043



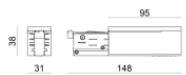
Junction - Flexible black junction (9018/B)
Type flexible curve.
Material:PC, colour:black.

Finish	Code
Black	81067



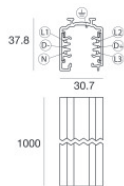
Junction - White power supply junction - central (9010/W)
Type linear.
Material:PC, colour:white.

Finish	Code
White	81042



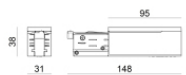
Power supply - Black left power supply header (9002/B)
Material:PC, colour:black.

Code
81037



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

Finish	Code
Black	83339

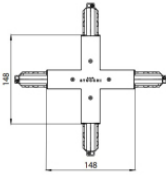
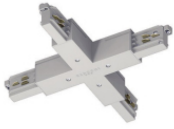


Power supply - White left power supply header (9002/W)
Material:PC, colour:white.

Code
81036



	<p>Closing cap - White end cap 9004/W Material:PC, colour:white.</p>	<p>Code <u>80999</u></p>	
		<p>Junction - Left white T junction - external (9013/W) Type linear. Material:PC, colour:white.</p>	<p>Finish White Code <u>81051</u></p>
		<p>Junction - White electrical junction - internal (9003/W) Type linear. Material:PC, colour:white.</p>	<p>Finish White Code <u>81039</u></p>
		<p>Junction - Flexible white junction (9018/W) Type flexible curve. Material:PC, colour:white.</p>	<p>Finish White Code <u>81066</u></p>
		<p>Junction - Right white T junction - external (9014/W) Type linear. Material:PC, colour:white.</p>	<p>Finish White Code <u>81054</u></p>
		<p>Power supply - White Right power supply header (9001/W) Material:PC, colour:white.</p>	<p>Code <u>81033</u></p>
		<p>Track Length: 3000mm; Type of track: Standard. Material:Aluminium, colour:Black, processing:Coating.</p>	<p>Finish Black Code <u>83341</u></p>
		<p>Junction - White L junction - external (9012/W) Type linear. Material:PC, colour:white.</p>	<p>Finish White Code <u>81048</u></p>



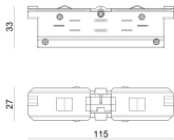
Junction - White X junction (9017/W)
Type linear.
Material:PC, colour:white.

Finish	Code
White	81063



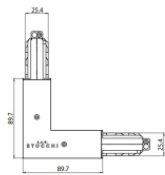
Closing cap - Black end cap 9004/B
Material:PC, colour:black.

Code
81000



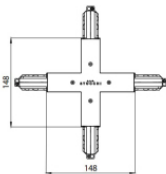
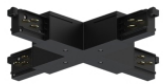
Junction - Black electrical junction - internal (9003/B)
Type linear.
Material:PC, colour:black.

Finish	Code
Black	81040



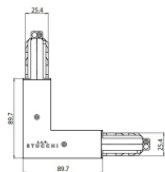
Junction - Black L junction - internal (9011/B)
Type linear.
Material:PC, colour:black.

Finish	Code
Black	81046



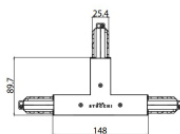
Junction - Black X junction (9017/B)
Type linear.
Material:PC, colour:black.

Finish	Code
Black	81064



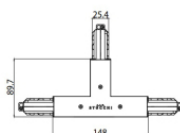
Junction - Black L junction - external (9012/B)
Type linear.
Material:PC, colour:black.

Finish	Code
Black	81049



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

Finish	Code
Black	81061



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

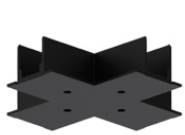
Finish	Code
White	81060



		<p>Closing cap - Recessed black end cap 9004-R/B Material:PC, colour:black.</p>	<p>Code 81003</p>
		<p>Ceiling rose - 1.5m white pendant luminaire kit + bracket (9000-KIT5-1,5-W) Material:plastic, colour:white.</p>	<p>Code 81012</p>
		<p>Closing cap - Recessed white end cap 9004-R/W Material:PC, colour:white.</p>	<p>Code 81002</p>
		<p>Ceiling rose - 5m black pendant luminaire kit + bracket (9000-KIT5-5-B) Material:plastic, colour:black.</p>	<p>Code 81015</p>
		<p>Junction - Black left T junction - external (9013/B) Type linear. Material:PC, colour:black.</p>	<p>Finish Black Code 81052</p>
		<p>Suspensions - White rigid suspension 1m (S-9000-P3-W) Material:plastic, colour:white.</p>	<p>Code 81021</p>
		<p>Junction - Right black T junction - external (9014/B) Type linear. Material:PC, colour:black.</p>	<p>Finish Black Code 81055</p>
		<p>Suspensions - Black rigid suspension 1m (S-9000-P3-B) Material:plastic, colour:black.</p>	<p>Code 81022</p>



		<p>Junction - White L junction - internal (9011/W) Type linear. Material:PC, colour:white.</p>	<p>Finish White</p>	<p>Code 81045</p>
		<p>Cable cover - White recessed cover (S-9001-R/6-W) Material:PC, colour:white.</p>		<p>Code 81069</p>
		<p>Cable cover - Black recessed cover (S-9001-R/6-B) Material:PC, colour:black.</p>		<p>Code 81070</p>
		<p>Ceiling rose - 1.5m black pendant luminaires kit + bracket ((9000-KIT5-1,5-B) Material:plastic, colour:black.</p>		<p>Code 81014</p>
		<p>Junction - Left white T junction - internal (9015/W) Type linear. Material:PC, colour:white.</p>	<p>Finish White</p>	<p>Code 81057</p>
		<p>Cable cover - White cover for recessed L junction (S-9011-R/6-W) Material:PC, colour:white.</p>		<p>Code 81075</p>
		<p>Bracket - White fixing bracket (S-9000/131-W) L=35mm, H=14mm, D=24mm. Material:Aluminium, colour:white, processing:Coating.</p>	<p>Finish White</p>	<p>Code 81087</p>
		<p>Junction - Left black T junction - internal (9015/B) Type linear. Material:PC, colour:black.</p>	<p>Finish Black</p>	<p>Code 81058</p>



Cable cover - Black cover for recessed X junction (S-9017-R/6-B)
Material:PC, colour:black.

Code
81082



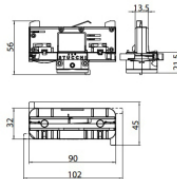
Tool - Cutter S-9000/T

Code
81005



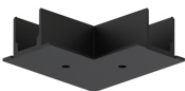
Bracket - Black fixing braket (S-9000/131-B)
L=35mm, H=14mm, D=24mm.
Material:Aluminium, colour:Black, processing:Coating.

Finish
Black **Code**
81088



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

Code
81091



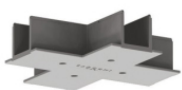
Cable cover
Material:PC, colour:black.

Code
81076



Bracket - Anodized fixing bracket (S-9000/131)
L=35mm, H=14mm, D=24mm.
Material:Aluminium, colour:translucent.

Finish
Anod. Al. **Code**
81086



Cable cover - White cover for recessed X junction (S-9017-R/6-W)
Material:PC, colour:white.

Code
81081



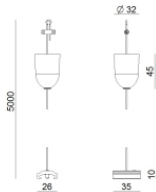
Suspensions - Black rigid suspension clip (S-9000-P2-B)
Material:plastic, colour:black.

Code
81019



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

Code
81018



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

Code
81013



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

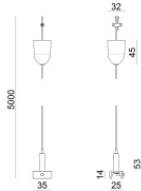
Material:Aluminium, colour:Anodised Aluminum, processing:Anodisation.

Finish
 **Code**
81024



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

Code
81006



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

Code
81009




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

Code
81007



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

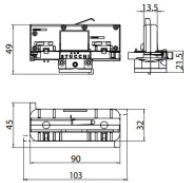


		<p>Black three-phase adapter (9009-4/B)</p>	<p>Code <u>81093</u></p>
		<p>Cable cover - White cover for recessed T junction (S-9013-R/6-W) Material:PC, colour:white.</p>	<p>Code <u>81078</u></p>
		<p>Suspensions - 1.5m black pendant luminaires kit (9000-KIT3-1,5-B) Material:plastic, colour:black.</p>	<p>Code <u>81008</u></p>
		<p>Cable cover - Black cover for recessed T junction (S-9013-R/6-B) Material:PC, colour:black.</p>	<p>Code <u>81079</u></p>
		<p>Cable cover - White cover for recessed junction (S-9010-R/6-W) Material:PC, colour:white.</p>	<p>Code <u>81072</u></p>
		<p>Cable cover - Black cover for recessed junction (S-9010-R/6-B) Material:PC, colour:black.</p>	<p>Code <u>81073</u></p>
		<p>Cable cover Material:black, colour:black.</p>	<p>Code <u>83250</u></p>
		<p>Cable cover Material:white.</p>	<p>Code <u>83249</u></p>



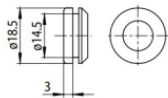
Closing cap - Black gasket (S-9001/115-B)
 Material:black, colour:black.

Code
81085



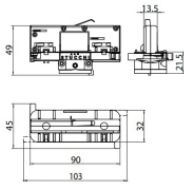
White three-phase/DALI adapter (9009/W)

Code
81094



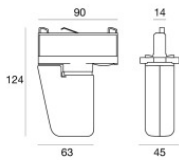
Closing cap - White gasket (S-9001/115-W)
 Material:white.

Code
81084



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