

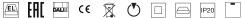
Projectors | 176-264 V AC /176-280 V DC 1 arrayLED 23 W DC - 26 W AC | CRI 90 81989W85





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	23 W DC
Total Power	26 W
Source lumens	3287 lm
Nominal input voltage	220 - 240 V AC
Input voltage range	176 - 264 V AC
Frequency	50 - 60 Hz
CCT / Tone	3000 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	0.735 Kg
Electrostatic discharge protection	Yes
Surge protection	2 KV





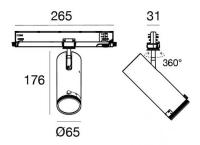












Finishing casing	
Material	Die-cast Aluminium EN AB - 46100
Colour	White
Processing	Powder coating

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

Anti - Glare

Optics technology



Projectors | 176-264 V AC /176-280 V DC | 1 arrayLED 23 W DC - 26 W AC | CRI 90 | Angle Max 81989W85

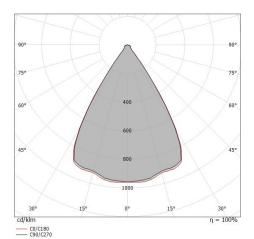
Single emission projectors for indoor application. The warm white LED light source with a adjustable focus light distribution is composed of 1 arrayled LEDs with CCT of 3000 K and a CRI 90; the source luminous flux is 3287 lm, with a 142.9 lm/W nominal luminous efficacy.

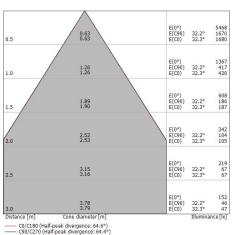
The device body is made of die-cast aluminium en ab - 46100 and features a white finish, processed by means of powder coating. The ingress protection degree is IP20; the total weight is of 0.735 kg.

The total absorbed power is 26 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)	43 %
Source lumens	3287 lm
Delivered lumens	1428 lm
Consumption	26 W
Luminaire efficacy	54 lm/W
Colour temperature	3000 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

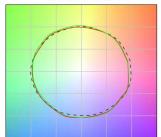
LED Life / Failure Ratio

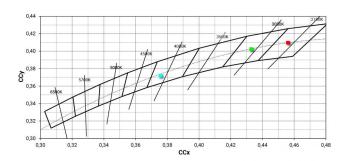
L70 B10 C0 252000h (at Tj 65 Ta 25)

UGR	
UGR axial	24.3
UGR transversal	24.3
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL	
C0/C180 optics	64°
Light distribution simmetry	Symmetrical

COLOR VECTOR GRAPHIC







Projectors | 176-264 V AC /176-280 V DC | 1 arrayLED 23 W DC - 26 W AC | CRI 90 | Angle

81989W85

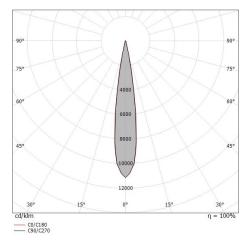
Single emission projectors for indoor application. The warm white LED light source with a adjustable focus light distribution is composed of 1 arrayled LEDs with CCT of 3000 K and a CRI 90; the source luminous flux is 3287 lm, with a 142.9 lm/W nominal luminous efficacy.

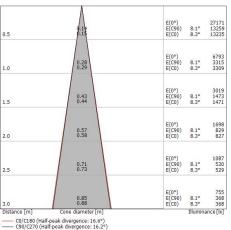
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The total absorbed power is 26 W.

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)	18 %
Source lumens	3287 lm
Delivered lumens	611 lm
Consumption	26 W
Luminaire efficacy	23 lm/W
Colour temperature	3000 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

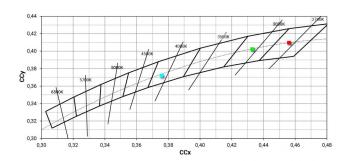
L70 B10 C0 252000h (at Tj 65 Ta 25)

UGR	
UGR axial	14.4
UGR transversal	14.8
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL	
C0/C180 optics	16°
Light distribution simmetry	Symmetrical

COLOR VECTOR GRAPHIC







37.8	Track Length: 1000mm; Type of track: Standard. Material:Aluminium, colour:White, processing:Coating.	Finish Code White 83336
37.8	Track Length: 2000mm; Type of track: Standard. Material:Aluminium, colour:White, processing:Coating.	Finish Code White 83337
37.8	Track Length: 3000mm; Type of track: Standard. Material:Aluminium, colour:White, processing:Coating.	Finish Code White 83338
37.8	Track Length: 1000mm; Type of track: Standard. Material:Aluminium, colour:Black, processing:Coating.	Finish Code Black 83339
37.8	Track Length: 2000mm; Type of track: Standard. Material:Aluminium, colour:Black, processing:Coating.	Finish Code Black 83340
37.8	Track Length: 3000mm; Type of track: Standard. Material:Aluminium, colour:Black, processing:Coating.	Finish Code Black 83341
31.4 (a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	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
31.4 (1) (2) (3) (2) (3) (2) (4) (4) (5) (6) (6) (7) (7) (7) (7) (7) (7) (7) (7) (7) (7	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.	Finish Code White 80991



Pound_Focus | Projectors | Accessories 81989W85



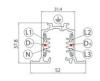


Track - Trhee-phase Recessed White DALI Track, 3 m (9000-3/W-R) Length: 3000mm; Type of track: Standard.

Material:Aluminium, colour:White, processing:Coating.

Finish White **Code** 80992





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.

Finish

Code 80993





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.

Finish

Code

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

80995





Power supply - White Right power supply header (9001/W) Material:PC, colour:white.

Code

81033





Power supply - Black Right power supply header (9001/B) Material:PC, colour:black.

Code

81034



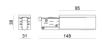


Power supply - White left power supply header (9002/W) Material:PC, colour:white.

Code

81036





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

Code



Pound_Focus | Projectors | Accessories **81989W85**



Type linear.

Material:PC, colour:black.



Pound_Focus | Projectors | Accessories 81989W85

510 C C 141	

Closing cap - White end cap 9004/W

Material:PC, colour:white.

Code

80999

Closing cap - Black end cap 9004/B

Material:PC, colour:black.

Code

81000





Junction - White electrical junction - internal (9003/W)

Type linear.

Material:PC, colour:white.

Finish White

Code

81039





Junction - Black electrical junction - internal (9003/B)

Type linear.

Material:PC, colour:black.

Finish

Code

81040





Junction - White L junction - internal (9011/W)

Type linear.

Material:PC, colour:white.

Finish White

Code

81045





Junction - Black L junction - internal (9011/B)

Type linear.

Material:PC, colour:black.

Finish

Code

81046





Junction - White L junction - external (9012/W)

Type linear.

Material:PC, colour:white.

Finish White

Code 81048



Junction - Black L junction - external (9012/B)

Type linear.

Material:PC, colour:black.

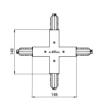
Finish

Code



Pound_Focus | Projectors | Accessories **81989W85**





Junction - White X junction (9017/W)

Type linear.

Material:PC, colour:white.

Finish White **Code** 81063





Junction - Black X junction (9017/B)

Type linear.

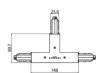
Material:PC, colour:black.

Finish

Code

81064





Junction - Left white T junction - internal (9015/W)

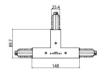
Type linear.

Material:PC, colour:white.

Finish White Code

81057





Junction - Left black T junction - internal (9015/B)

Type linear.

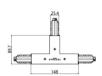
Material:PC, colour:black.

Finish

Code

81058





Junction - Right White T junction - internal (9016/W)

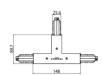
Type linear.

Material:PC, colour:white.

Finish White Code

81060





Junction - Right black T junction - internal (9016/B)

Type linear.

Material:PC, colour:black.

Finish

Code

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



		Ceiling rose - 1.5m white pendant luminaires kit + bracket (9000-KIT5-1,5-W) Material:plastic, colour:white.		Code 81012
	20051 20	Ceiling rose - 1.5m black pendant luminaires kit + bracket ((9000-KIT5-1,5-B) Material:plastic, colour:black.		Code 81014
	232 232 25 25 26 35	Ceiling rose - 5m white pendant luminaires kit + bracket (9000-KIT5-5-W) Material:plastic, colour:white.		Code 81013
*		Ceiling rose - 5m black pendant luminaires kit + bracket (9000-KIT5-5-B) Material:plastic, colour:black.		Code 81015
		Suspensions - White rigid suspension 1m (S-9000-P3-W) Material:plastic, colour:white.		Code 81021
3		Suspensions - Black rigid suspension 1m (S-9000-P3-B) Material:plastic, colour:black.		Code 81022
	z	Bracket - Anodized fixing bracket (S-9000/131) L=35mm, H=14mm, D=24mm. Material:Aluminium, colour:translucent.	Finish Anod. Al.	Code 81086
	z (24 40	Bracket - White fixing braket (S-9000/131-W) L=35mm, H=14mm, D=24mm. Material:Aluminium, colour:white, processing:Coating.	Finish White	Code 81087



	24 49	Bracket - Black fixing braket (S-9000/131-B) L=35mm, H=14mm, D=24mm. Material:Aluminium, colour:Black, processing:Coating.	Finish Black	Code 81088
	# 10 m 10	Cable cover - White recessed cover (S-9001-R/6-W) Material:PC, colour:white.		Code 81069
	# 10 m o	Cable cover - Black recessed cover (S-9001-R/6-B) Material:PC, colour:black.		Code 81070
	o (xx/Mxm)o	Cable cover - White cover for recessed L junction (S-9011-R/6-W) Material:PC, colour:white.		Code 81075
	o Latification	Cable cover Material:PC, colour:black.		Code 81076
- 1-4-1-1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Cable cover - White cover for recessed X junction (S-9017-R/6-W) Material:PC, colour:white.		Code 81081
	0 0 III 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Cable cover - Black cover for recessed X junction (S-9017-R/6-B) Material:PC, colour:black.		Code 81082
	S 99	White three-phase adapter (9009-4/W)		Code 81091



	Black trhee-phase adapter (9009-4/B)	Code 81093
	Tool - Cutter S-9000/T	Code 81005
	Suspensions - 1.5m white pendant luminaires kit (9000-KIT3-1,5-W) Material:plastic, colour:white.	Code 81006
332 3 ³ 2	Suspensions - 1.5m black pendant luminaires kit (9000-KIT3-1,5-B) Material:plastic, colour:black.	Code 81008
	Suspensions - 5m white pendant luminaires kit (9000-KIT3-5-W) Material:plastic, colour:white.	Code 81007
32. 32. 32. 33. 35. 35. 35. 35. 36. 37. 38. 38. 38. 38. 38. 38. 38. 38	Suspensions - 5m black pendant luminaires kit (9000-KIT3-5-B) Material:plastic, colour:black.	Code 81009
	Suspensions - White rigid suspension clip (S-9000-P2-W) Material:plastic, colour:white.	Code 81018
	Suspensions - Black rigid suspension clip (S-9000-P2-B) Material:plastic, colour:black.	Code 81019



24 189	Bracket - Anodized stiffening bracket (S-9000/333) L=180mm, H=24mm, D=26mm. Material:Aluminium, colour:Anodised Aluminum, processing:Anodisation.	Finish Coo 810	ode 024
24 180	Bracket - White stiffening bracket (S-9000/333-W) L=180mm, H=24mm, D=20mm. Material:Aluminium, colour:white RAL 9010, processing:Coating.	Finish Coo White 810	ode 025
24 189	Bracket - Black stiffening bracket (S-9000/333-B) L=180mm, H=24mm, D=20mm. Material:Aluminium, colour:black RAL 9005, processing:Coating.	Finish Coo Black 810	
• SEE 0	Cable cover - White cover for recessed junction (S-9010-R/6-W) Material:PC, colour:white.	Co o 810	ode 072
• MARKEL •	Cable cover - Black cover for recessed junction (S-9010-R/6-B) Material:PC, colour:black.	Co o 810	ode 073
+ (1215/201) +	Cable cover - White cover for recessed T junction (S-9013-R/6-W) Material:PC, colour:white.	Co o 810	ode 078
+ (asi85as) +	Cable cover - Black cover for recessed T junction (S-9013-R/6-B) Material:PC, colour:black.	Co o 810	ode 079
	Cable cover Material:white.	C oo	



	Cable cover Material:black, colour:black.	Code 83250
9,45	Closing cap - White gasket (S-9001/115-W) Material:white.	Code 81084
9,45	Closing cap - Black gasket (S-9001/115-B) Material:black, colour:black.	Code 81085
	White three-phase/DALI adapter (9009/W)	Code 81094
33.5 30.5 103.5	Black three-phase/DALI adapter (9009/B)	Code 81095
124	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