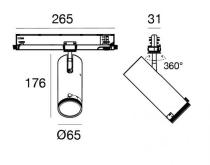
Projectors | 176-264 V AC /176-280 V DC 1 arrayLED 23 W DC - 26 W AC | CRI 90 81990M85





Technical data	
Туре	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	3139 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	0.735 Kg
Electrostatic discharge protection	Yes
Surge protection	2 KV
Optics technology	Anti - Glare

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Finishing casin	g
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 23 W DC - 26 W AC | CRI 90 | Angle Max 81990M85

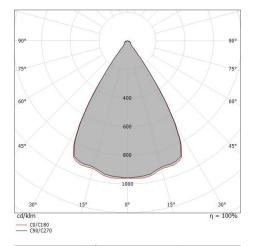
Single emission projectors for indoor application. The super warm white LED light source with a adjustable focus light distribution is composed of 1 arrayled LEDs with CCT of 2700 K and a CRI 90; the source luminous flux is 3139 lm, with a 136.5 lm/W nominal luminous efficacy.

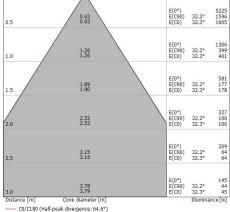
The device body is made of die-cast aluminium en ab - 46100 and features a black finish, processed by means of powder coating. The ingress protection degree is IP20; the total weight is of 0.735 kg.

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.





C0/C180 (Half-peak divergence: 64.6°) C90/C270 (Half-peak divergence: 64.4°)

Energy efficiency class

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

Illuminotechnical Features	
Light Output Ratio (LOR)	43 %
Source lumens	3139 lm
Delivered lumens	1364 lm
Consumption	26 W
Luminaire efficacy	52 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

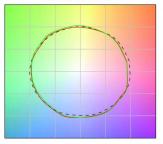
L70 B10 C0 252000h (at Tj 65 Ta 25)

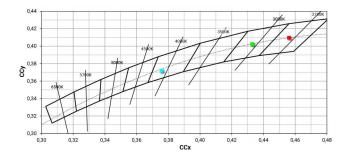
UGR	
UGR axial	24.1
UGR transversal	24.2
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

C0/C180 optics	64°
Light distribution simmetry	Symmetrical

COLOR VECTOR GRAPHIC





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

Min

81990M85

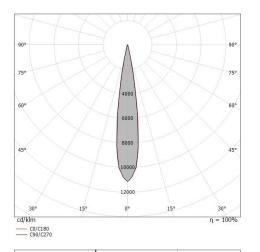
Single emission projectors for indoor application. The super warm white LED light source with a adjustable focus light distribution is composed of 1 arrayled LEDs with CCT of 2700 K and a CRI 90; the source luminous flux is 3139 lm, with a 136.5 lm/W nominal luminous efficacy.

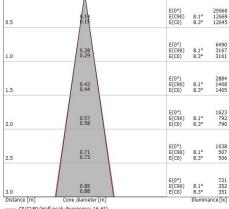
The device body is made of die-cast aluminium en ab - 46100 and features a black finish, processed by means of powder coating. The ingress protection degree is IP20; the total weight is of 0.735 kg.

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.





C0/C180 (Half-peak divergence: 16.6°) C90/C270 (Half-peak divergence: 16.2°)

Energy efficiency class

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

Illuminotechnical Features	
Light Output Ratio (LOR)	18 %
Source lumens	3139 lm
Delivered lumens	583 lm
Consumption	26 W
Luminaire efficacy	22 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

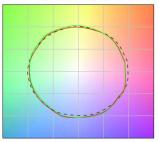
L70 B10 C0 252000h (at Tj 65 Ta 25)

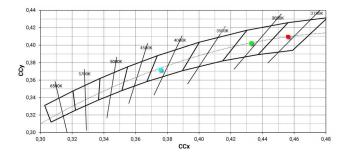
UGR	
UGR axial	14.2
UGR transversal	14.6
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

C0/C180 optics	16°
Light distribution simmetry	Symmetrical

COLOR VECTOR GRAPHIC

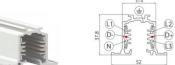




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Pound_Focus | Projectors | Accessories 81990M85

37.8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Track Length: 1000mm; Type of track: Standard. Material:Aluminium, colour:White, processing:Coating.	Finish White	Code 83336
	Track Length: 2000mm; Type of track: Standard. Material:Aluminium, colour:White, processing:Coating.	Finish White	Code 83337
37.8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Track Length: 3000mm; Type of track: Standard. Material:Aluminium, colour:White, processing:Coating.	Finish White	Code 83338
37.8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Track Length: 1000mm; Type of track: Standard. Material:Aluminium, colour:Black, processing:Coating.	Finish Black	Code 83339
37.8 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Track Length: 2000mm; Type of track: Standard. Material:Aluminium, colour:Black, processing:Coating.	Finish Black	Code 83340
37.8 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Track Length: 3000mm; Type of track: Standard. Material:Aluminium, colour:Black, processing:Coating.	Finish Black	Code 83341
8 L2 1 00 1 0 1	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 White	Code 80990



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

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Code

80991



Pound_Focus | Projectors | Accessories 81990M85

	31.4		Finish	Code
		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.	White	80992
	SIA SIA SIA SIA SIA SIA SIA SIA SIA SIA	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 Black	Code 80993
	914 92 92	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 Black	Code 80994
	922	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 Black	Code 80995
and a second	95 95 95 95 95 95 95 95 95 95	Power supply - White Right power supply header (9001/W) Material:PC, colour:white.		Code 81033
	8 1 148	Power supply - Black Right power supply header (9001/B) Material:PC, colour:black.		Code 81034
and a second	8 1 1 1 1 1 1 1 1 1 1	Power supply - White left power supply header (9002/W) Material:PC, colour:white.		Code 81036
	95 31 148	Power supply - Black left power supply header (9002/B) Material:PC, colour:black.		Code 81037

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Pound_Focus | Projectors | Accessories 81990M85

	2 Contraction 0 within 0 contraction 2	Junction - White power supply junction - central (9010/W) Type linear. Material:PC, colour:white.	Finish White	Code 81042
	2 (Martin 0 with 0 month)	Junction - Black power supply junction - centrale (9010/B) Type linear. Material:PC, colour:black.	Finish Black	Code 81043
the fulling frage		Junction - Flexible white junction (9018/W) Type flexible curve. Material:PC, colour:white.	Finish White	Code 81066
		Junction - Flexible black junction (9018/B) Type flexible curve. Material:PC, colour:black.	Finish Black	Code 81067
	25.4 • • • • • • • • • • • • • • • • • • •	Junction - Left white T junction - external (9013/W) Type linear. Material:PC, colour:white.	Finish White	Code 81051
	25.4 • • • • • • • • • • • • • • • • • • •	Junction - Black left T junction - external (9013/B) Type linear. Material:PC, colour:black.	Finish Black	Code 81052
	25.4 • • • • • • • • • • • • • • • • • • •	Junction - Right white T junction - external (9014/W) Type linear. Material:PC, colour:white.	Finish White	Code 81054
	254 • mmu •	Junction - Right black T junction - external (9014/B) Type linear. Material:PC, colour:black.	Finish Black	Code 81055

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Pound_Focus | Projectors | Accessories 81990M85

svätteral		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
A THE	£	Junction - White electrical junction - internal (9003/W) Type linear. Material:PC, colour:white.	FinishCodeWhite81039
	2 2 2 2 2 2 2 2 2 2 2 2 2 2	Junction - Black electrical junction - internal (9003/B) Type linear. Material:PC, colour:black.	FinishCodeBlack81040
		Junction - White L junction - internal (9011/W) Type linear. Material:PC, colour:white.	FinishCodeWhite81045
		Junction - Black L junction - internal (9011/B) Type linear. Material:PC, colour:black.	FinishCodeBlack81046
		Junction - White L junction - external (9012/W) Type linear. Material:PC, colour:white.	FinishCodeWhite81048
		Junction - Black L junction - external (9012/B) Type linear. Material:PC, colour:black.	Finish Code Black 81049

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Pound_Focus | Projectors | Accessories 81990M85

		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 Black	Code 81064
	25.4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Junction - Left white T junction - internal (9015/W) Type linear. Material:PC, colour:white.	Finish White	Code 81057
	25.4 0 0 0 0 0 0 0 0 0 0 0 0 0	Junction - Left black T junction - internal (9015/B) Type linear. Material:PC, colour:black.	Finish Black	Code 81058
	25.4 	Junction - Right White T junction - internal (9016/W) Type linear. Material:PC, colour:white.	Finish White	Code 81060
	25.4 • • • • • •	Junction - Right black T junction - internal (9016/B) Type linear. Material:PC, colour:black.	Finish Black	Code 81061
sruccul		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
	Linea Light Group reserves the right, without	it any advance notice. to change the characteristics of their products, as well as the availability of the same at any time. No		

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Pound_Focus | Projectors | Accessories 81990M85

{j_i}				
		Ceiling rose - 1.5m white pendant luminaires kit + bracket (9000-KIT5-1,5-W) Material:plastic, colour:white.		Code 81012
		Ceiling rose - 1.5m black pendant luminaires kit + bracket ((9000-KIT5-1,5-B) Material:plastic, colour:black.		Code 81014
		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
		Suspensions - Black rigid suspension 1m (S-9000-P3-B) Material:plastic, colour:black.		Code 81022
66	王 1日 24 40	Bracket - Anodized fixing bracket (S-9000/131) L=35mm, H=14mm, D=24mm. Material:Aluminium, colour:translucent.	Finish Anod. Al.	Code 81086
	조 [[주군] 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
	Linea Light Group reserves the right without	ut any advance notice, to change the characteristics of their products, as well as the availability of the same at any time. No		

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Pound_Focus | Projectors | Accessories 81990M85

10/2	z () 24 40	Bracket - Black fixing braket (S-9000/131-B) L=35mm, H=14mm, D=24mm. Material:Aluminium, colour:Black, processing:Coating.	Finish Black	Code 81088
		Cable cover - White recessed cover (S-9001-R/6-W) Material:PC, colour:white.		Code 81069
		Cable cover - Black recessed cover (S-9001-R/6-B) Material:PC, colour:black.		Code 81070
		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
	0 100 100 100 100 100 100 100 100 100 1	Cable cover - White cover for recessed X junction (S-9017-R/6-W) Material:PC, colour:white.		Code 81081
		Cable cover - Black cover for recessed X junction (S-9017-R/6-B) Material:PC, colour:black.		Code 81082
- B - C		White three-phase adapter (9009-4/W)		Code 81091

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Pound_Focus | Projectors | Accessories 81990M85

	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
*	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
	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
4	Suspensions - Black rigid suspension clip (S-9000-P2-B) Material:plastic, colour:black.	Code 81019

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Pound_Focus | Projectors | Accessories 81990M85

s (0)	<u>عام (م) (م) (م) (م) (م) (م) (م) (م) (م) (م</u>	Bracket - Anodized stiffening bracket (S-9000/333) L=180mm, H=24mm, D=26mm. Material:Aluminium, colour:Anodised Aluminum, processing:Anodisation.	Finish	Code 81024
s. * . *	E 24 180 8	Bracket - White stiffening bracket (S-9000/333-W) L=180mm, H=24mm, D=20mm. Material:Aluminium, colour:white RAL 9010, processing:Coating.	Finish White	Code 81025
T. S. C.	E 8	Bracket - Black stiffening bracket (S-9000/333-B) L=180mm, H=24mm, D=20mm. Material:Aluminium, colour:black RAL 9005, processing:Coating.	Finish Black	Code 81026
	0 1100 0	Cable cover - White cover for recessed junction (S-9010-R/6-W) Material:PC, colour:white.		Code 81072
	• 12767 •	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
		Cable cover - Black cover for recessed T junction (S-9013-R/6-B) Material:PC, colour:black.		Code 81079
		Cable cover Material:white.		Code 83249

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Pound_Focus | Projectors | Accessories 81990M85

		Cable cover Material:black, colour:black.	Code 83250
0	0185 0145 0145 0145	Closing cap - White gasket (S-9001/115-W) Material:white.	Code 81084
0	0185 0145	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
	90 14 124 63 45	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