Pound_Focus

Projectors | 176-264 V AC /176-280 V DC
1 arrayLED 23 W DC - 26 W AC | CRI 98
82439M85
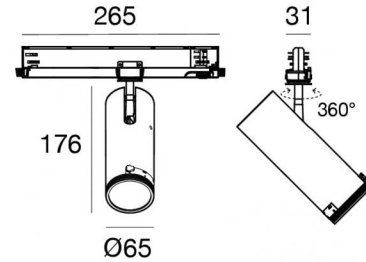
Technical data	
Type	Track
Installation position	Ceiling
Installation environment	Indoor
Light Source	LED
Circuit structure	arrayLED
Optics	Adjustable Focus
Light emission direction	frontal
Nominal power	23 W DC
Total Power	26 W
Source lumens	2827 lm
Nominal input voltage	220 - 240 V AC
Input voltage 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	DALI - 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

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.

linealight.com

Pound_Focus

Projectors | 176-264 V AC /176-280 V DC | 1 arrayLED 23 W DC - 26 W AC | CRI 98 | Angle Max
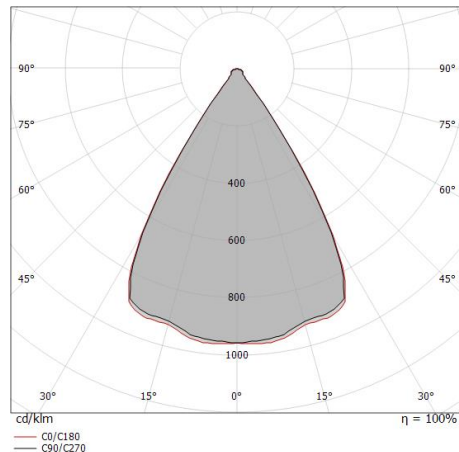**82439M85**

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 98; the source luminous flux is 2827 lm, with a 122.9 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.

Energy efficiency class

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

Illuminotechnical Features

Light Output Ratio (LOR)	42 %
Source lumens	2827 lm
Delivered lumens	1195 lm
Consumption	26 W
Luminaire efficacy	45 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

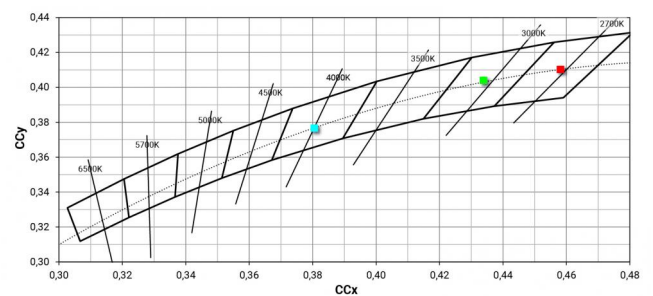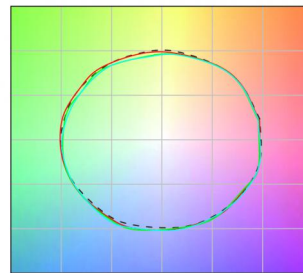## LED Life / Failure Ratio

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

UGR

UGR axial	23.6
UGR transversal	23.7
X=4H	Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

C0/C180 optics	64°
Light distribution simmetry	Symmetrical

cd/klm   η = 100%
— C0/C180
— C90/C270

COLOR VECTOR GRAPHIC

Distance [m]	Cone diameter [m]	Illuminance [lx]
0.5	0.63 / 0.63	E(0°) 4578 / E(C90) 32.2° 1398 / E(C0) 32.3° 1407
1.0	1.26 / 1.26	E(0°) 1145 / E(C90) 32.2° 350 / E(C0) 32.3° 352
1.5	1.89 / 1.90	E(0°) 509 / E(C90) 32.2° 155 / E(C0) 32.3° 156
2.0	2.52 / 2.53	E(0°) 286 / E(C90) 32.2° 87 / E(C0) 32.3° 88
2.5	3.15 / 3.16	E(0°) 183 / E(C90) 32.2° 56 / E(C0) 32.3° 56
3.0	3.78 / 3.79	E(0°) 127 / E(C90) 32.2° 39 / E(C0) 32.3° 39

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

linealight.com

Pound_Focus

Projectors | 176-264 V AC /176-280 V DC | 1 arrayLED 23 W DC - 26 W AC | CRI 98 | Angle
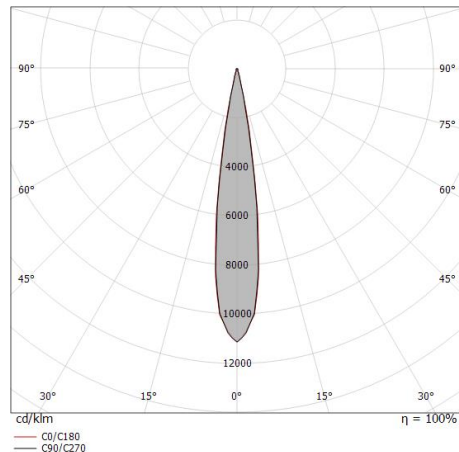Min

82439M85

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 98; the source luminous
flux is 2827 lm, with a 122.9 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.

Energy efficiency class

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

Illuminotechnical Features

Light Output Ratio (LOR)	18 %
Source lumens	2827 lm
Delivered lumens	512 lm
Consumption	26 W
Luminaire efficacy	19 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

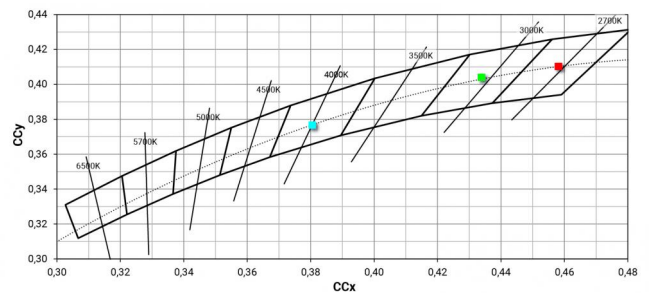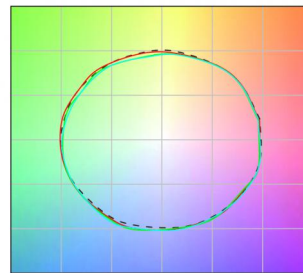### LED Life / Failure Ratio

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

UGR

UGR axial	13.8
UGR transversal	14.1
X=4H	Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

C0/C180 optics	16°
Light distribution simmetry	Symmetrical
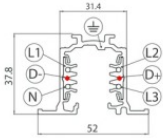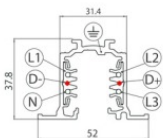
cd/klm
η = 100%
— C0/C180
— C90/C270

COLOR VECTOR GRAPHIC

Distance [m]	Cone diameter [m]		Illuminance [lx]
0.5	0.14 / 0.15	E(0°) / E(C90) 8.1° / E(C0) 8.3°	22759 / 11107 / 11086
1.0	0.28 / 0.29	E(0°) / E(C90) 8.1° / E(C0) 8.3°	5690 / 2777 / 2771
1.5	0.43 / 0.44	E(0°) / E(C90) 8.1° / E(C0) 8.3°	2529 / 1234 / 1232
2.0	0.57 / 0.58	E(0°) / E(C90) 8.1° / E(C0) 8.3°	1422 / 694 / 693
2.5	0.71 / 0.73	E(0°) / E(C90) 8.1° / E(C0) 8.3°	910 / 444 / 443
3.0	0.85 / 0.88	E(0°) / E(C90) 8.1° / E(C0) 8.3°	632 / 309 / 308

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

linealight.com

Pound_Focus

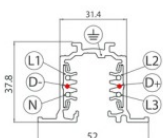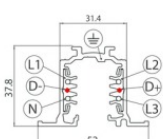|			Finish	Code
		Track Length: 1000mm; Type of track: Standard. Material:Aluminium, colour:White, processing:Coating.	White	83336
		Track Length: 2000mm; Type of track: Standard. Material:Aluminium, colour:White, processing:Coating.	White	83337
		Track Length: 3000mm; Type of track: Standard. Material:Aluminium, colour:White, processing:Coating.	White	83338
		Track Length: 1000mm; Type of track: Standard. Material:Aluminium, colour:Black, processing:Coating.	Black	83339
		Track Length: 2000mm; Type of track: Standard. Material:Aluminium, colour:Black, processing:Coating.	Black	83340
		Track Length: 3000mm; Type of track: Standard. Material:Aluminium, colour:Black, processing:Coating.	Black	83341
		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.	White	80990
		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.	White	80991

linealight.com

Pound_Focus

Pound_Focus | Projectors | Accessories
82439M85

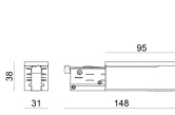|			Finish	Code
		Track - Thee-phase Recessed White DALI Track, 3 m (9000-3/W-R) Length: 3000mm; Type of track: Standard. Material:Aluminium, colour:White, processing:Coating.	White	80992
		Track - Three-phase Recessed Grey DALI Track, 1 m (9000-1/B-R) Length: 1000mm; Type of track: Standard. Material:Aluminium, colour:Black, processing:Coating.	Black	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.	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.	Black	80995
		Power supply - White Right power supply header (9001/W) Material:PC, colour:white.		81033
		Power supply - Black Right power supply header (9001/B) Material:PC, colour:black.		81034
		Power supply - White left power supply header (9002/W) Material:PC, colour:white.		81036
		Power supply - Black left power supply header (9002/B) Material:PC, colour:black.		81037

linealight.com

Pound_Focus

Pound_Focus | Projectors | Accessories
82439M85

|			Finish	Code
	Junction - White power supply junction - central (9010/W) Type linear. Material:PC, colour:white.		White	81042
	Junction - Black power supply junction - centrale (9010/B) Type linear. Material:PC, colour:black.		Black	81043
	Junction - Flexible white junction (9018/W) Type flexible curve. Material:PC, colour:white.		White	81066
	Junction - Flexible black junction (9018/B) Type flexible curve. Material:PC, colour:black.		Black	81067
	Junction - Left white T junction - external (9013/W) Type linear. Material:PC, colour:white.		White	81051
	Junction - Black left T junction - external (9013/B) Type linear. Material:PC, colour:black.		Black	81052
	Junction - Right white T junction - external (9014/W) Type linear. Material:PC, colour:white.		White	81054
	Junction - Right black T junction - external (9014/B) Type linear. Material:PC, colour:black.		Black	81055

linealight.com

Pound_Focus | Projectors | Accessories
82439M85

				Code
	Closing cap - White end cap 9004/W Material:PC, colour:white.			**Code** 80999

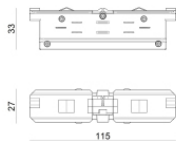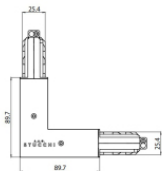|				Code
	Closing cap - Black end cap 9004/B Material:PC, colour:black.			**Code** 81000
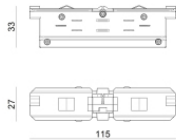
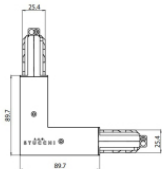|	Junction - White electrical junction - internal (9003/W) Type linear. Material:PC, colour:white.	**Finish** White	**Code** 81039

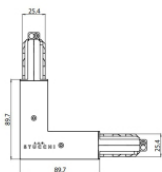|	Junction - Black electrical junction - internal (9003/B) Type linear. Material:PC, colour:black.	**Finish** Black	**Code** 81040

	Junction - White L junction - internal (9011/W) Type linear. Material:PC, colour:white.	**Finish** White	**Code** 81045

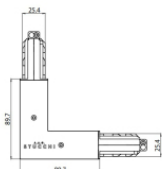|	Junction - Black L junction - internal (9011/B) Type linear. Material:PC, colour:black.	**Finish** Black	**Code** 81046

	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** Black	**Code** 81049

linealight.com

Pound_Focus | Projectors | Accessories
82439M85

				Finish	**Code**
		Junction - White X junction (9017/W) Type linear. Material:PC, colour:white.		White	81063
		Junction - Black X junction (9017/B) Type linear. Material:PC, colour:black.		Black	81064
		Junction - Left white T junction - internal (9015/W) Type linear. Material:PC, colour:white.		White	81057
		Junction - Left black T junction - internal (9015/B) Type linear. Material:PC, colour:black.		Black	81058
		Junction - Right White T junction - internal (9016/W) Type linear. Material:PC, colour:white.		White	81060
		Junction - Right black T junction - internal (9016/B) Type linear. Material:PC, colour:black.		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

linealight.com

Pound_Focus

			Code
	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

			Finish	Code
	Bracket - Anodized fixing bracket (S-9000/131) L=35mm, H=14mm, D=24mm. Material:Aluminium, colour:translucent.		Anod. Al.	**Code** 81086
	Bracket - White fixing braket (S-9000/131-W) L=35mm, H=14mm, D=24mm. Material:Aluminium, colour:white, processing:Coating.		White	**Code** 81087

linealight.com

Pound_Focus

			Finish	Code
	Bracket - Black fixing braket (S-9000/131-B) L=35mm, H=14mm, D=24mm. Material:Aluminium, colour:Black, processing:Coating.		Black	81088

			Code
	Cable cover - White recessed cover (S-9001-R/6-W) Material:PC, colour:white.		81069

			Code
	Cable cover - Black recessed cover (S-9001-R/6-B) Material:PC, colour:black.		81070

			Code
	Cable cover - White cover for recessed L junction (S-9011-R/6-W) Material:PC, colour:white.		81075

			Code
	Cable cover Material:PC, colour:black.		81076

			Code
	Cable cover - White cover for recessed X junction (S-9017-R/6-W) Material:PC, colour:white.		81081

			Code
	Cable cover - Black cover for recessed X junction (S-9017-R/6-B) Material:PC, colour:black.		81082

			Code
	White three-phase adapter (9009-4/W)		81091

linealight.com

Pound_Focus

Pound_Focus | Projectors | Accessories
82439M85
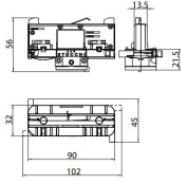
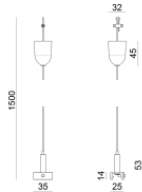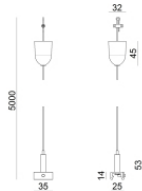|		Code
	Black trhee-phase adapter (9009-4/B)	**Code** 81093
	Tool - Cutter S-9000/T	**Code** 81005
	Suspensions - 1.5m white pendant luminaires kit (9000-KIT3-1,5-W) Material:plastic, colour:white.	**Code** 81006
	Suspensions - 1.5m black pendant luminaires kit (9000-KIT3-1,5-B) Material:plastic, colour:black.	**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
	Suspensions - Black rigid suspension clip (S-9000-P2-B) Material:plastic, colour:black.	**Code** 81019

linealight.com

Pound_Focus

	Finish	Code
Bracket - Anodized stiffening bracket (S-9000/333) L=180mm, H=24mm, D=26mm. Material:Aluminium, colour:Anodised Aluminum, processing:Anodisation.		81024
Bracket - White stiffening bracket (S-9000/333-W) L=180mm, H=24mm, D=20mm. Material:Aluminium, colour:white RAL 9010, processing:Coating.	White	81025
Bracket - Black stiffening bracket (S-9000/333-B) L=180mm, H=24mm, D=20mm. Material:Aluminium, colour:black RAL 9005, processing:Coating.	Black	81026

	Code
Cable cover - White cover for recessed junction (S-9010-R/6-W) Material:PC, colour:white.	81072
Cable cover - Black cover for recessed junction (S-9010-R/6-B) Material:PC, colour:black.	81073
Cable cover - White cover for recessed T junction (S-9013-R/6-W) Material:PC, colour:white.	81078
Cable cover - Black cover for recessed T junction (S-9013-R/6-B) Material:PC, colour:black.	81079
Cable cover Material:white.	83249

linealight.com

Pound_Focus

Pound_Focus | Projectors | Accessories
82439M85

			Code
	Cable cover Material:black, colour:black.		83250

			Code
	Closing cap - White gasket (S-9001/115-W) Material:white.		81084

			Code
	Closing cap - Black gasket (S-9001/115-B) Material:black, colour:black.		81085

			Code
	White three-phase/DALI adapter (9009/W)		81094

			Code
	Black three-phase/DALI adapter (9009/B)		81095

			Code
	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.		C-E700008

linealight.com