Pound_Focus

Projectors | 198-264 V
1 arrayLED 13 W DC - 15.5 W AC | CRI 90
82106W85
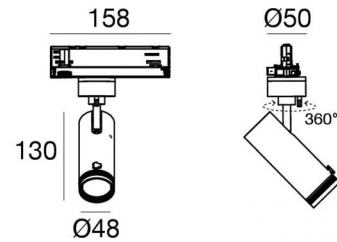
Technical data	
Type	Track
Installation position	Ceiling
Installation environment	Indoor
Light Source	LED
Circuit structure	arrayLED
Optics	Adjustable Focus
Light emission direction	frontal
Nominal power	13 W DC
Total Power	15.5 W
Source lumens	1578 lm
Nominal input voltage	220 - 240 V AC
Input voltage range	198 - 264 V AC
Frequency	50 - 60 Hz
CCT / Tone	3000 K
Colour rendering index	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	Dimming on Board
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

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

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Projectors | 198-264 V | 1 arrayLED 13 W DC - 15.5 W AC | CRI 90 | Angle Max
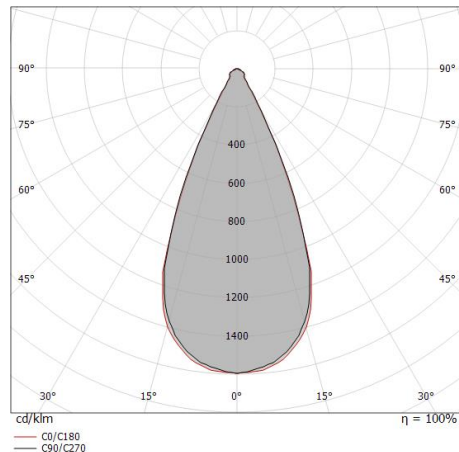**82106W85**

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 1578 lm, with a 121.4 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 0.39 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.

Energy efficiency class

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

Illuminotechnical Features

Light Output Ratio (LOR)	30 %
Source lumens	1578 lm
Delivered lumens	478 lm
Consumption	15.5 W
Luminaire efficacy	30 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	22.9
UGR transversal	22.7
X=4H	Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

C0/C180 optics	46°
Light distribution simmetry	Symmetrical

COLOR VECTOR GRAPHIC

cd/klm   η = 100%

— C0/C180
— C90/C270

Distance [m]	Cone diameter [m]		Illuminance [lx]	
0.5	0.43 / 0.43	E(0°) / E(C90) 23.3° / E(C0) 23.1°	3045 / 1184 / 1188
1.0	0.86 / 0.85	E(0°) / E(C90) 23.3° / E(C0) 23.1°	761 / 296 / 297
1.5	1.29 / 1.28	E(0°) / E(C90) 23.3° / E(C0) 23.1°	338 / 132 / 132
2.0	1.72 / 1.71	E(0°) / E(C90) 23.3° / E(C0) 23.1°	190 / 74 / 74
2.5	2.15 / 2.13	E(0°) / E(C90) 23.3° / E(C0) 23.1°	122 / 47 / 48
3.0	2.58 / 2.56	E(0°) / E(C90) 23.3° / E(C0) 23.1°	85 / 33 / 33

— C0/C180 (Half-peak divergence: 46.2°)
— C90/C270 (Half-peak divergence: 46.6°)

Pound_Focus

Projectors | 198-264 V | 1 arrayLED 13 W DC - 15.5 W AC | CRI 90 | Angle Min

82106W85

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 1578 lm, with a 121.4 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 0.39 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.

Energy efficiency class

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

Illuminotechnical Features

Light Output Ratio (LOR)	13 %
Source lumens	1578 lm
Delivered lumens	207 lm
Consumption	15.5 W
Luminaire efficacy	13 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	16.6
UGR transversal	16
X=4H | Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

C0/C180 optics	14°
Light distribution simmetry	Symmetrical
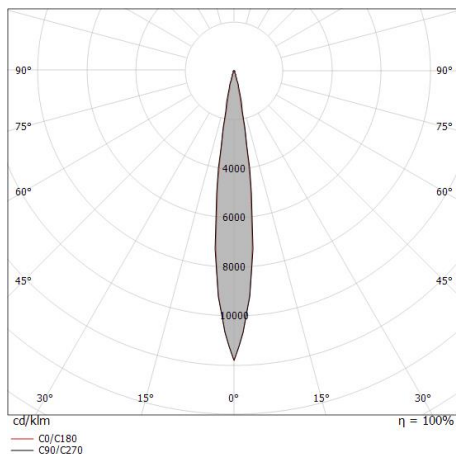
COLOR VECTOR GRAPHIC

cd/klm η = 100%
— C0/C180
— C90/C270

		E(0°)	9734
0.5	0.13 / 0.12	E(C90) 7.2°	4791
		E(C0) 7.0°	4784
1.0	0.25 / 0.25	E(0°)	2434
		E(C90) 7.2°	1198
		E(C0) 7.0°	1196
1.5	0.38 / 0.37	E(0°)	1082
		E(C90) 7.2°	532
		E(C0) 7.0°	532
2.0	0.51 / 0.49	E(0°)	608
		E(C90) 7.2°	299
		E(C0) 7.0°	299
2.5	0.63 / 0.61	E(0°)	389
		E(C90) 7.2°	192
		E(C0) 7.0°	191
3.0	0.76 / 0.74	E(0°)	270
		E(C90) 7.2°	133
		E(C0) 7.0°	133

Distance [m] Cone diameter [m] Illuminance [lx]
— C0/C180 (Half-peak divergence: 14.0°)
— C90/C270 (Half-peak divergence: 14.4°)

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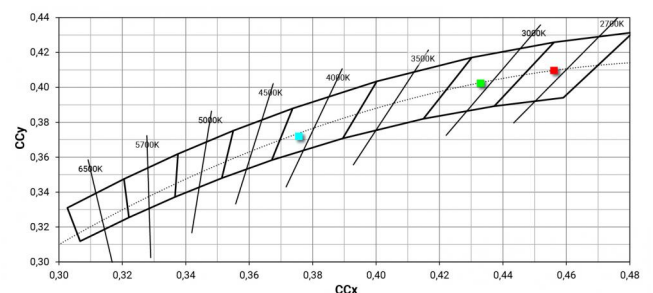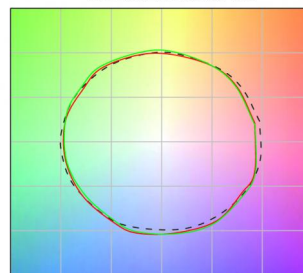
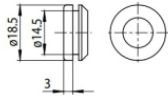|				Code
		Power supply - White Right power supply header (9001/W) Material:PC, colour:white.		**Code** 81033
		Power supply - White left power supply header (9002/W) Material:PC, colour:white.		**Code** 81036
		Power supply - Black left power supply header (9002/B) Material:PC, colour:black.		**Code** 81037
		Power supply - Black Right power supply header (9001/B) Material:PC, colour:black.		**Code** 81034
		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
		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

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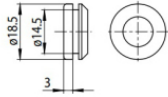
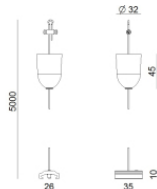|			**Code**
	Closing cap - White gasket (S-9001/115-W) Material:white.		**81084**
	Closing cap - Black gasket (S-9001/115-B) Material:black, colour:black.		**81085**
	Ceiling rose - 1.5m white pendant luminaires kit + bracket (9000-KIT5-1,5-W) Material:plastic, colour:white.		**81012**
	Ceiling rose - 1.5m black pendant luminaires kit + bracket ((9000-KIT5-1,5-B) Material:plastic, colour:black.		**81014**
	Ceiling rose - 5m white pendant luminaires kit + bracket (9000-KIT5-5-W) Material:plastic, colour:white.		**81013**
	Ceiling rose - 5m black pendant luminaires kit + bracket (9000-KIT5-5-B) Material:plastic, colour:black.		**81015**
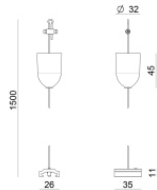
		Finish	**Code**
	Bracket - Anodized fixing bracket (S-9000/131) L=35mm, H=14mm, D=24mm. Material:Aluminium, colour:translucent.	Anod. Al.	**81086**
	Bracket - Anodized stiffening bracket (S-9000/333) L=180mm, H=24mm, D=26mm. Material:Aluminium, colour:Anodised Aluminum, processing:Anodisation.		**81024**

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Pound_Focus

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			Finish	Code
	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
	Bracket - White fixing braket (S-9000/131-W) L=35mm, H=14mm, D=24mm. Material:Aluminium, colour:white, processing:Coating.		White	81087
	Bracket - Black fixing braket (S-9000/131-B) L=35mm, H=14mm, D=24mm. Material:Aluminium, colour:Black, processing:Coating.		Black	81088
	Junction - White electrical junction - internal (9003/W) Type linear. Material:PC, colour:white.		White	81039
	Junction - Black electrical junction - internal (9003/B) Type linear. Material:PC, colour:black.		Black	81040
	Junction - White power supply junction - central (9010/W) Type linear. Material:PC, colour:white.		White	81042
	Junction - White L junction - internal (9011/W) Type linear. Material:PC, colour:white.		White	81045

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			Finish	Code
	Junction - White L junction - external (9012/W) Type linear. Material:PC, colour:white.		White	81048
	Junction - Flexible white junction (9018/W) Type flexible curve. Material:PC, colour:white.		White	81066
	Junction - White X junction (9017/W) Type linear. Material:PC, colour:white.		White	81063
	Junction - Left white T junction - external (9013/W) Type linear. Material:PC, colour:white.		White	81051
	Junction - Right white T junction - external (9014/W) Type linear. Material:PC, colour:white.		White	81054
	Junction - Left white T junction - internal (9015/W) Type linear. Material:PC, colour:white.		White	81057
	Junction - Right White T junction - internal (9016/W) Type linear. Material:PC, colour:white.		White	81060
	Junction - Black power supply junction - centrale (9010/B) Type linear. Material:PC, colour:black.		Black	81043

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			Finish	Code
	Junction - Black L junction - internal (9011/B) Type linear. Material:PC, colour:black.		Black	81046
	Junction - Black L junction - external (9012/B) Type linear. Material:PC, colour:black.		Black	81049
	Junction - Flexible black junction (9018/B) Type flexible curve. Material:PC, colour:black.		Black	81067
	Junction - Black X junction (9017/B) Type linear. Material:PC, colour:black.		Black	81064
	Junction - Black left T junction - external (9013/B) Type linear. Material:PC, colour:black.		Black	81052
	Junction - Right black T junction - external (9014/B) Type linear. Material:PC, colour:black.		Black	81055
	Junction - Left black T junction - internal (9015/B) Type linear. Material:PC, colour:black.		Black	81058
	Junction - Right black T junction - internal (9016/B) Type linear. Material:PC, colour:black.		Black	81061

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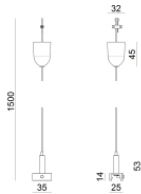
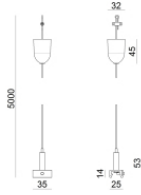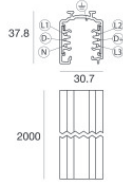|		**Code**
	Suspensions - 1.5m white pendant luminaires kit (9000-KIT3-1,5-W) Material:plastic, colour:white.	81006
	Suspensions - 5m white pendant luminaires kit (9000-KIT3-5-W) Material:plastic, colour:white.	81007
	Suspensions - 1.5m black pendant luminaires kit (9000-KIT3-1,5-B) Material:plastic, colour:black.	81008
	Suspensions - 5m black pendant luminaires kit (9000-KIT3-5-B) Material:plastic, colour:black.	81009
	Suspensions - White rigid suspension clip (S-9000-P2-W) Material:plastic, colour:white.	81018
	Suspensions - Black rigid suspension clip (S-9000-P2-B) Material:plastic, colour:black.	81019
	Suspensions - White rigid suspension 1m (S-9000-P3-W) Material:plastic, colour:white.	81021
	Suspensions - Black rigid suspension 1m (S-9000-P3-B) Material:plastic, colour:black.	81022

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			Code
		Cable cover - White recessed cover (S-9001-R/6-W) Material:PC, colour:white.	**Code** 81069
		Cable cover - White cover for recessed junction (S-9010-R/6-W) Material:PC, colour:white.	**Code** 81072
		Cable cover - White cover for recessed L junction (S-9011-R/6-W) Material:PC, colour:white.	**Code** 81075
		Cable cover - White cover for recessed T junction (S-9013-R/6-W) Material:PC, colour:white.	**Code** 81078
		Cable cover - White cover for recessed X junction (S-9017-R/6-W) Material:PC, colour:white.	**Code** 81081
		Cable cover - Black recessed cover (S-9001-R/6-B) Material:PC, colour:black.	**Code** 81070
		Cable cover - Black cover for recessed junction (S-9010-R/6-B) Material:PC, colour:black.	**Code** 81073
		Cable cover Material:PC, colour:black.	**Code** 81076

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			Code
		Cable cover - Black cover for recessed T junction (S-9013-R/6-B) Material:PC, colour:black.	81079
		Cable cover - Black cover for recessed X junction (S-9017-R/6-B) Material:PC, colour:black.	81082
		Cable cover Material:white.	83249
		Cable cover Material:black, colour:black.	83250
		White three-phase/DALI adapter (9009/W)	81094
		White three-phase adapter (9009-4/W)	81091
		Black three-phase/DALI adapter (9009/B)	81095
		Black trhee-phase adapter (9009-4/B)	81093

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			Code
		Tool - Cutter S-9000/T	81005

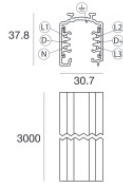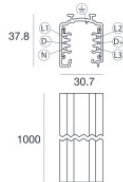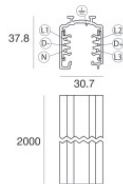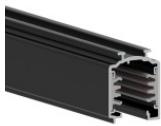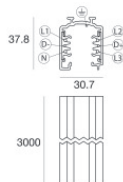|			Finish	Code
		Track - Three-phase Recessed White DALI Track, 1 m (9000-1/W-R) Length: 1000mm; Type of track: Standard. Material:Aluminium, colour:White, processing:Coating.	White	80990
		Track - Three-phase Recessed White DALI Track, 2 m (9000-2/W-R) Length: 2000mm; Type of track: Standard. Material:Aluminium, colour:White, processing:Coating.	White	80991
		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
		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
		Track Length: 1000mm; Type of track: Standard. Material:Aluminium, colour:White, processing:Coating.	White	83336

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			Finish	Code
	Track Length: 2000mm; Type of track: Standard. Material:Aluminium, colour:White, processing:Coating.	37.8 / 30.7 / 2000	White	83337
	Track Length: 3000mm; Type of track: Standard. Material:Aluminium, colour:White, processing:Coating.	37.8 / 30.7 / 3000	White	83338
	Track Length: 1000mm; Type of track: Standard. Material:Aluminium, colour:Black, processing:Coating.	37.8 / 30.7 / 1000	Black	83339
	Track Length: 2000mm; Type of track: Standard. Material:Aluminium, colour:Black, processing:Coating.	37.8 / 30.7 / 2000	Black	83340
	Track Length: 3000mm; Type of track: Standard. Material:Aluminium, colour:Black, processing:Coating.	37.8 / 30.7 / 3000	Black	83341
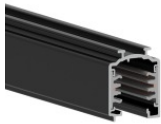
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