Pound_T

Projectors | 198-264 V
1 arrayLED 13 W DC - 15.5 W AC | CRI 90
82227M60
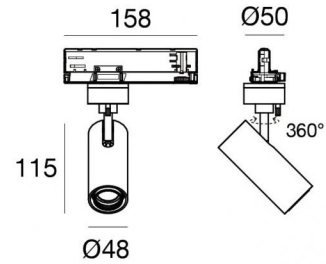
Technical data

Type	Track
Installation position	Ceiling
Installation environment	Indoor
Light Source	LED
Circuit structure	arrayLED
Optics	Medium Wide Flood
Light emission direction	frontal
Nominal power	13 W DC
Total Power	15.5 W
Source lumens	1487 lm
Nominal input voltage	220 - 240 V AC
Input voltage range	198 - 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	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
Optics technology	Anti - Glare

Finishing casing

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

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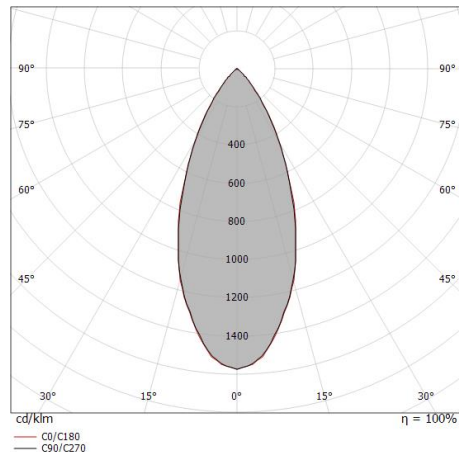Projectors | 198-264 V | 1 arrayLED 13 W DC - 15.5 W AC | CRI 90 | Base
82227M60

Single emission projectors for indoor application. The super warm white LED light source with a medium wide flood light distribution is composed of 1 arrayled LEDs with CCT of 2700 K and a CRI 90; the source luminous flux is 1487 lm, with a 114.4 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 0.39 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

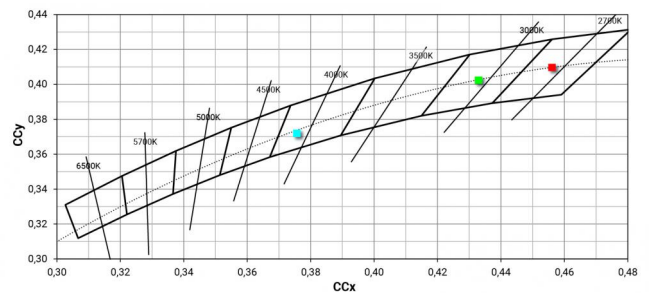|	
Light Output Ratio (LOR)	62 %
Source lumens	1487 lm
Delivered lumens	926 lm
Consumption	15.5 W
Luminaire efficacy	59 lm/W
Colour temperature	2700 K
Standard Deviation of Colour Matching	2 Step MacAdam
Colour rendering index	90 Ra
Colour Rendering Index	60 R9
Black Body Locus	On
Standard Operating 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	23.7
UGR transversal	23.6
X=4H	Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

C0/C180 optics	44°
Light distribution simmetry	Symmetrical

COLOR VECTOR GRAPHIC

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

0.5	0.40 / 0.41	E(0°) / E(C90) 22.0° / E(C0) 22.5°	5825 / 2335 / 2313
1.0	0.81 / 0.83	E(0°) / E(C90) 22.0° / E(C0) 22.5°	1456 / 584 / 578
1.5	1.21 / 1.24	E(0°) / E(C90) 22.0° / E(C0) 22.5°	647 / 259 / 257
2.0	1.62 / 1.66	E(0°) / E(C90) 22.0° / E(C0) 22.5°	364 / 146 / 145
2.5	2.02 / 2.07	E(0°) / E(C90) 22.0° / E(C0) 22.5°	233 / 93 / 93
3.0	2.42 / 2.49	E(0°) / E(C90) 22.0° / E(C0) 22.5°	162 / 65 / 64

Distance [m]   Cone diameter [m]   Illuminance [lx]
— C0/C180 (Half-peak divergence: 45.0°)
— C90/C270 (Half-peak divergence: 44.0°)

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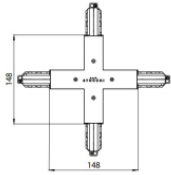|		**Code**
	Optics Light distribution: spot,Cover material: uv resistant polycarbonate	99805
	Optics Light distribution: medium flood,Cover material: ,uv resistant polycarbonate,uv resistant polycarbonate,uv resistant polycarbonate	99806
	Optics Light distribution: flood,Cover material: ,uv resistant polycarbonate,uv resistant polycarbonate,uv resistant polycarbonate	99807
	Anti-glare Anti-glare Type: 45° cylindrical screen. Material:Pom-C, colour:Black.	99773
	Anti-glare Anti-glare Type: cylindrical screen. Material:Pom-C, colour:Black.	99774
	Diffuser Diffuser Type: elliptical filter. Material:Pom-C, colour:Black.	99775
	Anti-glare Anti-glare Type: honeycomb louvre. Material:Pom-C, colour:Black.	99776
	Anti-glare Anti-glare Type: cross louvres. Material:Pom-C, colour:Black.	99777

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82227M60

			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 - 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 Length: 2000mm; Type of track: Standard. Material:Aluminium, colour:Black, processing:Coating.		Black	83340
	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
	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

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	Track	Finish	Code
	Length: 3000mm; Type of track: Standard.	White	83338
	Material:Aluminium, colour:White, processing:Coating.		

	Junction - Black power supply junction - centrale (9010/B)	Finish	Code
	Type linear.	Black	81043
	Material:PC, colour:black.		

	Junction - White power supply junction - central (9010/W)	Finish	Code
	Type linear.	White	81042
	Material:PC, colour:white.		

	Junction - Left white T junction - external (9013/W)	Finish	Code
	Type linear.	White	81051
	Material:PC, colour:white.		

	Junction - Black left T junction - external (9013/B)	Finish	Code
	Type linear.	Black	81052
	Material:PC, colour:black.		

	Power supply - White left power supply header (9002/W)	Code
	Material:PC, colour:white.	81036

	Junction - Flexible white junction (9018/W)	Finish	Code
	Type flexible curve.	White	81066
	Material:PC, colour:white.		

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

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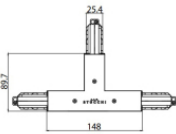|			Finish	Code
		Track - Three-phase Recessed White DALI Track, 1 m (9000-1/W-R) Length: 1000mm; Type of track: Standard. Material:Aluminium, colour:White, processing:Coating.	White	80990
		Junction - White electrical junction - internal (9003/W) Type linear. Material:PC, colour:white.	White	81039
		Junction - Right white T junction - external (9014/W) Type linear. Material:PC, colour:white.	White	81054
		Junction - White L junction - internal (9011/W) Type linear. Material:PC, colour:white.	White	81045
		Junction - Black electrical junction - internal (9003/B) Type linear. Material:PC, colour:black.	Black	81040
		Junction - White L junction - external (9012/W) Type linear. Material:PC, colour:white.	White	81048
		Junction - Black L junction - external (9012/B) Type linear. Material:PC, colour:black.	Black	81049
		Closing cap - Black end cap 9004/B Material:PC, colour:black.		81000

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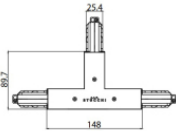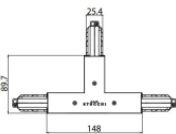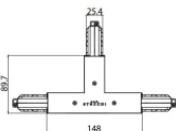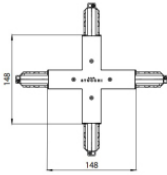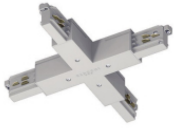|			Finish	Code
		Junction - Black X junction (9017/B) Type linear. Material:PC, colour:black.	Black	81064
		Junction - Left white T junction - internal (9015/W) Type linear. Material:PC, colour:white.	White	81057
		Junction - Left black T junction - internal (9015/B) Type linear. Material:PC, colour:black.	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.		81002
		Closing cap - Recessed black end cap 9004-R/B Material:PC, colour:black.		81003
		Ceiling rose - 1.5m white pendant luminaires kit + bracket (9000-KIT5-1,5-W) Material:plastic, colour:white.		81012

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			Code
	Ceiling rose - 1.5m black pendant luminaires kit + bracket ((9000-KIT5-1,5-B)		**Code**
	Material:plastic, colour:black.		81014

	Ceiling rose - 5m white pendant luminaires kit + bracket (9000-KIT5-5-W)		**Code**
	Material:plastic, colour:white.		81013

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

			Code
	Suspensions - White rigid suspension 1m (S-9000-P3-W)		**Code**
	Material:plastic, colour:white.		81021

			Code
	Suspensions - Black rigid suspension 1m (S-9000-P3-B)		**Code**
	Material:plastic, colour:black.		81022

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

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

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

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			Finish	Code
	Junction - White X junction (9017/W) Type linear. Material:PC, colour:white.		White	81063

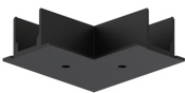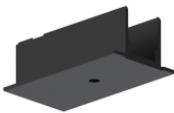|		Code
	Ceiling rose - 5m black pendant luminaires kit + bracket (9000-KIT5-5-B) Material:plastic, colour:black.	81015

		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 - Black recessed cover (S-9001-R/6-B) Material:PC, colour:black.	81070
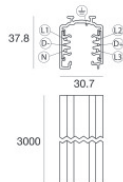
		Finish	Code
	Track Length: 3000mm; Type of track: Standard. Material:Aluminium, colour:Black, processing:Coating.	Black	83341

		Finish	Code
	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.	White	80992

		Finish	Code
	Track Length: 1000mm; Type of track: Standard. Material:Aluminium, colour:Black, processing:Coating.	Black	83339

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		Code
Tool - Cutter S-9000/T		81005

		Finish	**Code**
Junction - Flexible black junction (9018/B) Type flexible curve. Material:PC, colour:black.		Black	81067

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

	Code
Suspensions - 5m white pendant luminaires kit (9000-KIT3-5-W) Material:plastic, colour:white.	81007

	Code
Suspensions - 5m black pendant luminaires kit (9000-KIT3-5-B) Material:plastic, colour:black.	81009

	Code
Suspensions - 1.5m black pendant luminaires kit (9000-KIT3-1,5-B) Material:plastic, colour:black.	81008

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

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

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			Code
	Black trhee-phase adapter (9009-4/B)		81093

		Finish	**Code**
	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
	Power supply - Black left power supply header (9002/B) Material:PC, colour:black.		81037

		Finish	**Code**
	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

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

		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

			Code
	Cable cover - White cover for recessed T junction (S-9013-R/6-W) Material:PC, colour:white.		81078

			Code
	Suspensions - White rigid suspension clip (S-9000-P2-W) Material:plastic, colour:white.		81018

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		Code
	Cable cover Material:black, colour:black.	83250
	Cable cover Material:white.	83249

		Finish	**Code**
	Junction - Right black T junction - external (9014/B) Type linear. Material:PC, colour:black.	Black	81055

		Code
	Cable cover - White cover for recessed junction (S-9010-R/6-W) Material:PC, colour:white.	81072

		Finish	**Code**
	Bracket - Anodized stiffening bracket (S-9000/333) L=180mm, H=24mm, D=26mm. Material:Aluminium, colour:Anodised Aluminum, processing:Anodisation.		81024

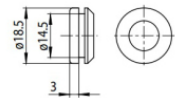|		**Code**
	Closing cap - White gasket (S-9001/115-W) Material:white.	81084
	Cable cover - Black cover for recessed T junction (S-9013-R/6-B) Material:PC, colour:black.	81079
	Cable cover - Black cover for recessed junction (S-9010-R/6-B) Material:PC, colour:black.	81073

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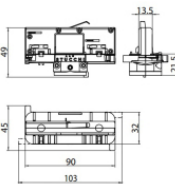Material:plastic, colour:white.

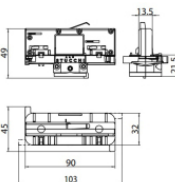**Code**
81006
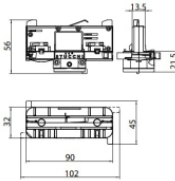
White three-phase adapter (9009-4/W)

Code
81091

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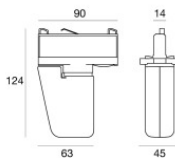Material:black, colour:black.

Code
81085

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

Code
81094

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

Code
81095

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

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