Pound_T

Projectors | 198-264 V
1 arrayLED 23 W DC - 26 W AC | CRI 90
82230M30

158

Ø50

360°

166

Ø65
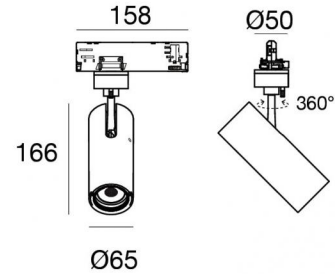
Technical data	
Type	Track
Installation position	Ceiling
Installation environment	Indoor
Light Source	LED
Circuit structure	arrayLED
Optics	Medium Flood
Light emission direction	frontal
Nominal power	23 W DC
Total Power	26 W
Source lumens	3139 lm
Nominal input voltage	220 - 240 V AC
Input voltage range	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	0.612 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

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Projectors | 198-264 V | 1 arrayLED 23 W DC - 26 W AC | CRI 90 | Base
82230M30

Single emission projectors for indoor application. The super warm white LED light source with a medium flood 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 0.612 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)	67 %
Source lumens	3139 lm
Delivered lumens	2131 lm
Consumption	26 W
Luminaire efficacy	81 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

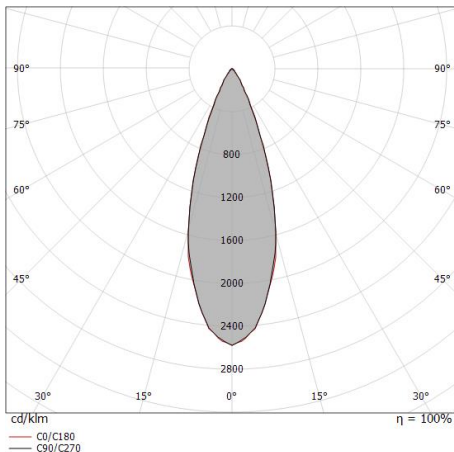L70 B10 C0 252000h (at Tj 65 Ta 25)

UGR

UGR axial	18.5
UGR transversal	18.4
X=4H	Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

C0/C180 optics	35°
Light distribution simmetry	Symmetrical

cd/klm
η = 100%
— C0/C180
— C90/C270

			E(0°)		21942
0.5	0.31		E(C0)	17.4°	9576
1.0	0.63		E(0°)		5485
			E(C0)	17.4°	2394
1.5	0.94		E(0°)		2438
			E(C0)	17.4°	1064
2.0	1.25		E(0°)		1371
			E(C0)	17.4°	598
2.5	1.57		E(0°)		878
			E(C0)	17.4°	383
3.0	1.88		E(0°)		609
			E(C0)	17.4°	266

Distance [m]   Cone diameter [m]   Illuminance [lx]
— C0/C180 (Half-peak divergence: 34.8°)

COLOR VECTOR GRAPHIC

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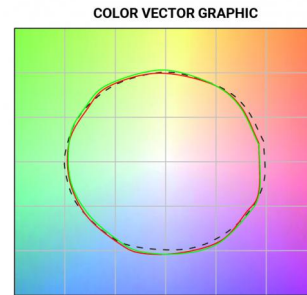
		Code
	Optics Light distribution: spot,Cover material: uv resistant polycarbonate	99827
	Optics Light distribution: medium flood,Cover material: ,uv resistant polycarbonate,uv resistant polycarbonate,uv resistant polycarbonate	99828
	Optics Light distribution: flood,Cover material: ,uv resistant polycarbonate,uv resistant polycarbonate,uv resistant polycarbonate	99829
	Anti-glare Anti-glare Type: cross louvres. Material:Pom-C, colour:Black.	99779
	Anti-glare Anti-glare Type: honeycomb louvre. Material:Pom-C, colour:Black.	99780
	Diffuser Diffuser Type: elliptical filter. Material:Pom-C, colour:Black.	99781
	Anti-glare Anti-glare Type: 45° cylindrical screen. Material:Pom-C, colour:Black.	99782
	Anti-glare Anti-glare Type: cylindrical screen. Material:Pom-C, colour:Black.	99783

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			Finish	Code
		Track Length: 1000mm; Type of track: Standard. Material:Aluminium, colour:White, processing:Coating.	White	83336
		Track Length: 1000mm; Type of track: Standard. Material:Aluminium, colour:Black, processing:Coating.	Black	83339
		Track Length: 3000mm; Type of track: Standard. Material:Aluminium, colour:Black, processing:Coating.	Black	83341
		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 - 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 - 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
		Power supply - White Right power supply header (9001/W) Material:PC, colour:white.		81033
		Power supply - Black left power supply header (9002/B) Material:PC, colour:black.		81037

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			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
		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
		Power supply - White left power supply header (9002/W) Material:PC, colour:white.		81036
		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
		Track Length: 2000mm; Type of track: Standard. Material:Aluminium, colour:White, processing:Coating.	White	83337
		Track Length: 2000mm; Type of track: Standard. Material:Aluminium, colour:Black, processing:Coating.	Black	83340

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			Finish	Code
	Junction - Flexible white junction (9018/W) Type flexible curve. Material:PC, colour:white.		White	81066
	Closing cap - White end cap 9004/W Material:PC, colour:white.			80999
	Junction - White electrical junction - internal (9003/W) Type linear. Material:PC, colour:white.		White	81039
	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
	Junction - Right white T junction - external (9014/W) Type linear. Material:PC, colour:white.		White	81054
	Junction - Black electrical junction - internal (9003/B) Type linear. Material:PC, colour:black.		Black	81040
	Junction - White L junction - internal (9011/W) Type linear. Material:PC, colour:white.		White	81045
	Junction - Flexible black junction (9018/B) Type flexible curve. Material:PC, colour:black.		Black	81067

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				Code
	Power supply - Black Right power supply header (9001/B)			81034
	Material:PC, colour:black.			

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

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

		Code
Closing cap - Black end cap 9004/B		81000
Material:PC, colour:black.		

		Finish	**Code**
Junction - Left black T junction - internal (9015/B)		Black	81058
Type linear.			
Material:PC, colour:black.			

		Finish	**Code**
Junction - Right black T junction - internal (9016/B)		Black	81061
Type linear.			
Material:PC, colour:black.			

		Code
Closing cap - Recessed white end cap 9004-R/W		81002
Material:PC, colour:white.		

		Finish	**Code**
Junction - Left white T junction - internal (9015/W)		White	81057
Type linear.			
Material:PC, colour:white.			

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

			Finish	Code
	Junction - Right White T junction - internal (9016/W) Type linear. Material:PC, colour:white.		White	81060

			Finish	Code
	Junction - Black L junction - external (9012/B) Type linear. Material:PC, colour:black.		Black	81049

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

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

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

		Code
	Closing cap - Recessed black end cap 9004-R/B Material:PC, colour:black.	81003

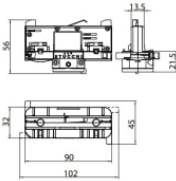|		Code
	Ceiling rose - 5m white pendant luminaires kit + bracket (9000-KIT5-5-W) Material:plastic, colour:white.	81013

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		Code
	Ceiling rose - 1.5m white pendant luminaires kit + bracket (9000-KIT5-1,5-W) Material:plastic, colour:white.	**Code** 81012

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

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

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

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

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

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

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

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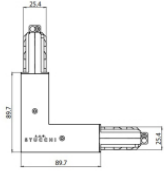
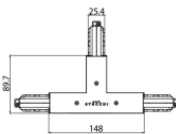|		Finish	Code
Junction - White L junction - external (9012/W) Type linear. Material:PC, colour:white.		White	81048
Black trhee-phase adapter (9009-4/B)			81093
Suspensions - 1.5m white pendant luminaires kit (9000-KIT3-1,5-W) Material:plastic, colour:white.			81006
Cable cover - White recessed cover (S-9001-R/6-W) Material:PC, colour:white.			81069
Suspensions - 5m white pendant luminaires kit (9000-KIT3-5-W) Material:plastic, colour:white.			81007
Tool - Cutter S-9000/T			81005
Junction - Right black T junction - external (9014/B) Type linear. Material:PC, colour:black.		Black	81055
Suspensions - White rigid suspension clip (S-9000-P2-W) Material:plastic, colour:white.			81018

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

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

			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	**Code** 81026

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

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

			Finish	Code
		Junction - Black X junction (9017/B) Type linear. Material:PC, colour:black.	Black	**Code** 81064

		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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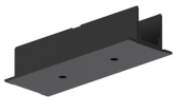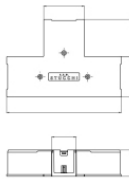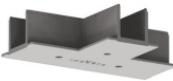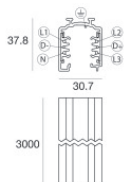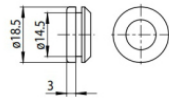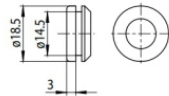|			Finish	Code
	Bracket - Anodized stiffening bracket (S-9000/333) L=180mm, H=24mm, D=26mm. Material:Aluminium, colour:Anodised Aluminum, processing:Anodisation.			81024
	Bracket - White stiffening bracket (S-9000/333-W) L=180mm, H=24mm, D=20mm. Material:Aluminium, colour:white RAL 9010, processing:Coating.		White	81025
	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
	Suspensions - Black rigid suspension clip (S-9000-P2-B) Material:plastic, colour:black.			81019
	Suspensions - 5m black pendant luminaires kit (9000-KIT3-5-B) Material:plastic, colour:black.			81009
	Cable cover Material:black, colour:black.			83250
	Track Length: 3000mm; Type of track: Standard. Material:Aluminium, colour:White, processing:Coating.		White	83338
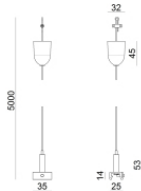
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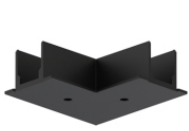
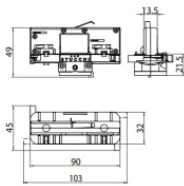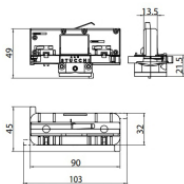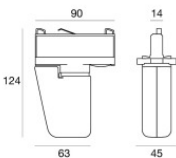|			
		Cable cover Material:PC, colour:black.	**Code** 81076
		Closing cap - White gasket (S-9001/115-W) Material:white.	**Code** 81084
		Closing cap - Black gasket (S-9001/115-B) Material:black, colour:black.	**Code** 81085
		White three-phase/DALI adapter (9009/W)	**Code** 81094
		Black three-phase/DALI 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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