Optus_T

Projectors | 176-264 V AC /176-280 V DC
1 arrayLED 16 W DC - 18 W AC | CRI 98
77054W30
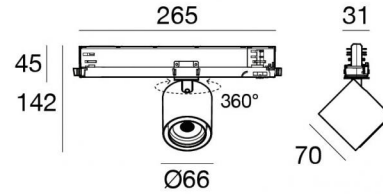
Technical data

Type	Track
Installation position	Ceiling
Installation environment	Indoor
Light Source	LED
Circuit structure	arrayLED
Optics	Medium Flood
Light emission direction	frontal
Nominal power	16 W DC
Total Power	18 W
Source lumens	2150 lm
Nominal input voltage	220 - 240 V AC
Input voltage range	176 - 264 V AC
Frequency	50 - 60 Hz
CCT / Tone	3000 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-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	0.412 Kg
Electrostatic discharge protection	Yes
Surge protection	3 KV

Finishing casing

Material	Die-cast Aluminium EN AB - 46100
Colour	White
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.

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Projectors | 176-264 V AC /176-280 V DC | 1 arrayLED 16 W DC - 18 W AC | CRI 98 | Base
77054W30

Single emission projectors for indoor application. The warm white LED light source with a medium flood light distribution is composed of 1 arrayled LEDs with CCT of 3000 K and a CRI 98; the source luminous flux is 2150 lm, with a 134.4 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 0.412 kg.

The total absorbed power is 18 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 F.

Illuminotechnical Features

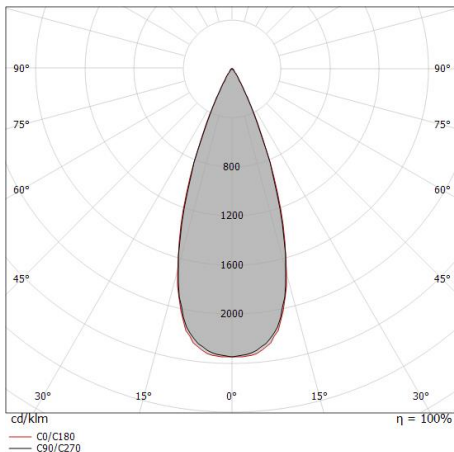|	
Light Output Ratio (LOR)	72 %
Source lumens	2150 lm
Delivered lumens	1557 lm
Consumption	18 W
Luminaire efficacy	86 lm/W
Colour temperature	3000 K
Standard Deviation of Colour Matching	2 Step MacAdam
Colour rendering index	98 Ra
Black Body Locus	Below
Standard Operating Ambient Temperature	-20 / +50°C
Ordinary temperature on the glass	40°C

LED Life / Failure Ratio

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

UGR

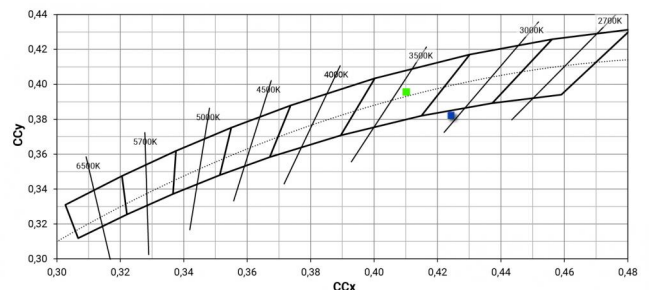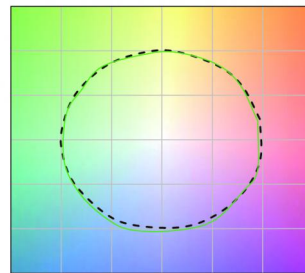|	
UGR axial	18
UGR transversal	18
X=4H	Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

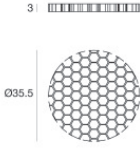|	
C0/C180 optics	38°
Light distribution simmetry	Symmetrical

cd/klm
η = 100%
— C0/C180
— C90/C270

Distance [m]   Cone diameter [m]   Illuminance [lx]
— C0/C180 (Half-peak divergence: 38.4°)
— C90/C270 (Half-peak divergence: 38.2°)

COLOR VECTOR GRAPHIC

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	Code
Anti-glare - Accessory for focal kit with code 83347. Anti-glare Type: honeycomb louvre. Material:Pom-C, colour:Black.	**Code** 99841

Ø35.5 3

	Code
Anti-glare Anti-glare Type: cylindrical screen. Material:Pom-C, colour:Black.	**Code** 83342

	Code
Anti-glare Anti-glare Type: 45° cylindrical screen. Material:Pom-C, colour:Black.	**Code** 83343

	Code
Anti-glare Anti-glare Type: cross louvres. Material:Pom-C, colour:Black.	**Code** 83344

	Code
Anti-glare Anti-glare Type: elliptical filter. Material:Pom-C, colour:Black.	**Code** 83345

	Code
Anti-glare Anti-glare Type: honeycomb louvre. Material:Pom-C, colour:Black.	**Code** 83346

	Code
Optics Light distribution: adjustable,Cover material: aluminium	**Code** 83347

	Code
Optics Light distribution: spot,Cover material: ,uv resistant polycarbonate,uv resistant polycarbonate,uv resistant polycarbonate	**Code** 83348

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		Optics		Code
		Light distribution: medium flood,Cover material: ,uv resistant polycarbonate,uv resistant polycarbonate,uv resistant polycarbonate		83349

		Optics		Code
		Light distribution: flood,Cover material: ,uv resistant polycarbonate,uv resistant polycarbonate,uv resistant polycarbonate		83350

			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 |

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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
		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
		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

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	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

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

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

	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

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

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

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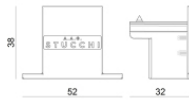|			Finish	Code
	Junction - Right white T junction - external (9014/W) Type linear. Material:PC, colour:white.		White	81054
	Junction - Right black T junction - external (9014/B) Type linear. Material:PC, colour:black.		Black	81055
	Closing cap - White end cap 9004/W Material:PC, colour:white.			80999
	Closing cap - Black end cap 9004/B Material:PC, colour:black.			81000
	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 L junction - internal (9011/W) Type linear. Material:PC, colour:white.		White	81045
	Junction - Black L junction - internal (9011/B) Type linear. Material:PC, colour:black.		Black	81046

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			Finish	Code
	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
	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

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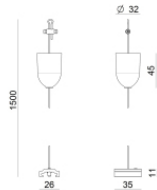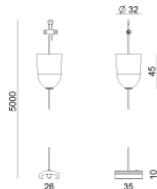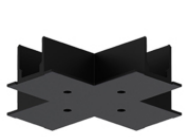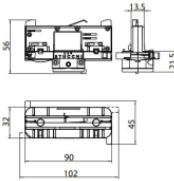|	Code
Closing cap - Recessed white end cap 9004-R/W Material:PC, colour:white.	**Code** 81002
Closing cap - Recessed black end cap 9004-R/B Material:PC, colour:black.	**Code** 81003
Ceiling rose - 1.5m white pendant luminaires kit + bracket (9000-KIT5-1,5-W) Material:plastic, colour:white.	**Code** 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

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

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

		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

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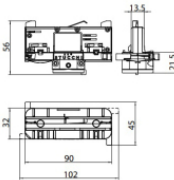# Optus_T

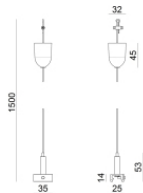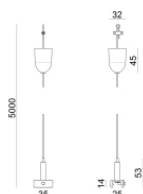|				Code
		Cable cover - Black cover for recessed X junction (S-9017-R/6-B) Material:PC, colour:black.		81082
		White three-phase adapter (9009-4/W)		**Code** 81091
		Black trhee-phase adapter (9009-4/B)		**Code** 81093
		Tool - Cutter S-9000/T		**Code** 81005
		Suspensions - 1.5m white pendant luminaires 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

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

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

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

			Finish	**Code**
	Bracket - White stiffening bracket (S-9000/333-W)		White	81025
	L=180mm, H=24mm, D=20mm.			
	Material:Aluminium, colour:white RAL 9010, processing:Coating.			

			Finish	**Code**
	Bracket - Black stiffening bracket (S-9000/333-B)		Black	81026
	L=180mm, H=24mm, D=20mm.			
	Material:Aluminium, colour:black RAL 9005, processing:Coating.			

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

				Code
	Cable cover - Black cover for recessed junction (S-9010-R/6-B)			81073
	Material:PC, colour:black.			

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

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