Optus_T V2
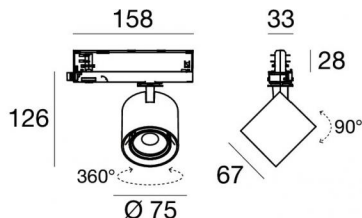
Projectors | 176-264 V AC /176-280 V DC
1 arrayLED 10 W DC - 12 W AC | CRI 90
C00997BBMSP

Technical data	
Type	Track
Installation position	Ceiling
Installation environment	Indoor
Light Source	LED
Circuit structure	arrayLED
Optics	Spot
Light emission direction	frontal
Nominal power	10 W DC
Total Power	12 W
Source lumens	1817 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	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	No
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	2 KV

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.

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Projectors | 176-264 V AC /176-280 V DC | 1 arrayLED 10 W DC - 12 W AC | CRI 90 | Base
C00997BBMSP

Single emission projectors for indoor application. The super warm white LED light source with a spot light distribution is composed of 1 arrayled LEDs with CCT of 2700 K and a CRI 90; the source luminous flux is 1817 lm, with a 181.7 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 0.412 kg.

The total absorbed power is 12 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)	70 %
Source lumens	1817 lm
Delivered lumens	1287 lm
Consumption	12 W
Luminaire efficacy	107 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	14.5
UGR transversal	14.6
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
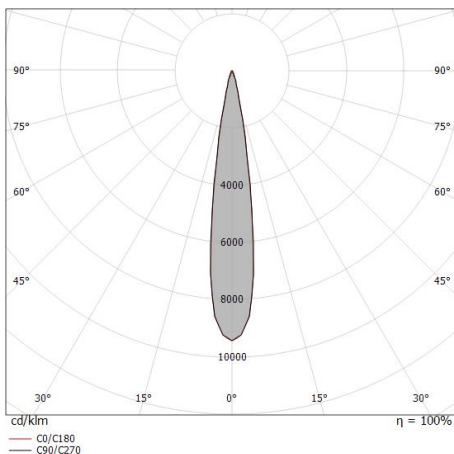
Distance [m]	Cone diameter [m]		Illuminance [lx]		
0.5	0.14 / 0.14	E(0°) E(C90) E(C0)	8.2° 8.1°	48530 23948 23912	
1.0	0.29 / 0.28	E(0°) E(C90) E(C0)	8.2° 8.1°	12132 5987 5978	
1.5	0.43 / 0.43	E(0°) E(C90) E(C0)	8.2° 8.1°	5392 2661 2657	
2.0	0.58 / 0.57	E(0°) E(C90) E(C0)	8.2° 8.1°	3033 1497 1495	
2.5	0.72 / 0.71	E(0°) E(C90) E(C0)	8.2° 8.1°	1941 958 956	
3.0	0.86 / 0.85	E(0°) E(C90) E(C0)	8.2° 8.1°	1348 665 664	

Distance [m]   Cone diameter [m]   Illuminance [lx]
— C0/C180 (Half-peak divergence: 16.2°)
— C90/C270 (Half-peak divergence: 16.4°)

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Optus_T V2 | Projectors | Accessories
C00997BBMSP

	Optics	**Code**
	Light distribution: adjustable,Cover material: uv resistant polycarbonate	C-U100002

	Optics	**Code**
	Light distribution: adjustable,Cover material: ,uv resistant polycarbonate,uv resistant polycarbonate,uv resistant polycarbonate	C-U100003

	Optics	**Code**
	Light distribution: adjustable,Cover material: ,uv resistant polycarbonate,uv resistant polycarbonate,uv resistant polycarbonate	C-U100004

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

Ø35.5

Code
99841

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

Code
C-U300043

Diffuser
Diffuser Type: elliptical filter

Code
C-U300044

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

Code
C-U300045

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

Code
C-U300046

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			Code
	Anti-glare Anti-glare Type: cross louvres. Material:Pom-C, colour:Black.		C-U300047

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

		Finish	Code
	Track Length: 1000mm; Type of track: Standard. Material:Aluminium, colour:White, processing:Coating.	White	83336

		Finish	Code
	Track Length: 2000mm; Type of track: Standard. Material:Aluminium, colour:White, processing:Coating.	White	83337

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

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

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

		Finish	Code
	Track Length: 3000mm; Type of track: Standard. Material:Aluminium, colour:Black, processing:Coating.	Black	83341

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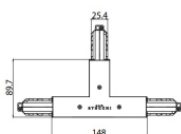|			Finish	Code
		Track - Three-phase Recessed White DALI Track, 1 m (9000-1/W-R) Length: 1000mm; Type of track: Standard. Material:Aluminium, colour:White, processing:Coating.	White	80990
		Track - Three-phase Recessed White DALI Track, 2 m (9000-2/W-R) Length: 2000mm; Type of track: Standard. Material:Aluminium,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

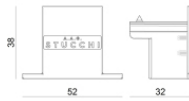|			**Finish**	**Code**
	Junction - White power supply junction - central (9010/W) Type linear. Material:PC, colour:white.		White	81042
	Junction - Black power supply junction - centrale (9010/B) Type linear. Material:PC, colour:black.		Black	81043
	Junction - Flexible white junction (9018/W) Type flexible 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

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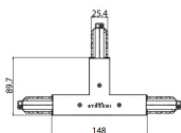
			Finish	Code
	Junction - Right white T junction - external (9014/W) Type linear. Material:PC, colour:white.		White	81054
	Junction - Right black T junction - external (9014/B) Type linear. Material:PC, colour:black.		Black	81055
	Closing cap - White end cap 9004/W Material:PC, colour:white.			**Code** 80999
	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.		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
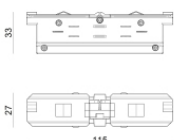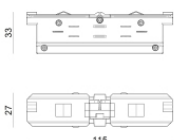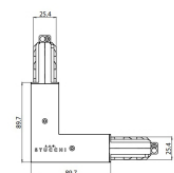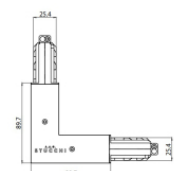
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			Finish	Code
	Junction - White L junction - external (9012/W) Type linear. Material:PC, colour:white.		White	81048
	Junction - Black L junction - external (9012/B) Type linear. Material:PC, colour:black.		Black	81049
	Junction - White X junction (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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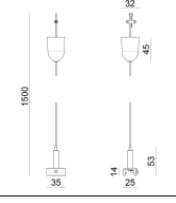|		**Code**
	Closing cap - Recessed white end cap 9004-R/W Material:PC, colour:white.	81002
	Closing cap - Recessed black end cap 9004-R/B Material:PC, colour:black.	81003
	Ceiling rose - 1.5m white pendant luminaires kit + bracket (9000-KIT5-1,5-W) Material:plastic, colour:white.	81012
	Ceiling rose - 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
	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
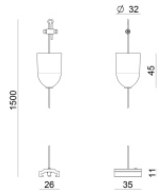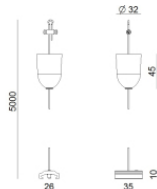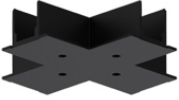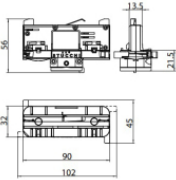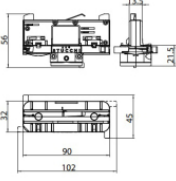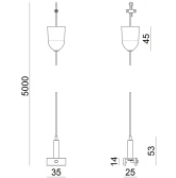
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			Finish	**Code**
	Bracket - Anodized fixing bracket (S-9000/131) L=35mm, H=14mm, D=24mm. Material:Aluminium, colour:translucent.		Anod. Al.	81086

			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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		Cable cover - Black cover for recessed X junction (S-9017-R/6-B) Material:PC, colour:black.	**Code** 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) Material:plastic, colour:white.	81018

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

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

		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

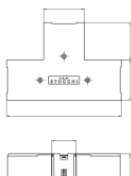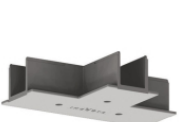|		**Finish**	**Code**
	Bracket - Black stiffening bracket (S-9000/333-B) L=180mm, H=24mm, D=20mm. Material:Aluminium, colour:black RAL 9005, processing:Coating.	Black	81026

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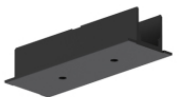
		Code
	Cable cover - Black cover for recessed junction (S-9010-R/6-B) Material:PC, colour:black.	81073

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

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	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

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