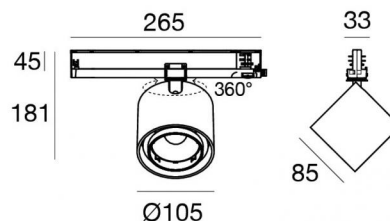


Scheinwerfer | 176-264 V AC /176-280 V DC
1 arrayLED 34 W DC - 39 W AC | CRI 98
81816N60



Technische Daten	
Typ	Schiene
Installationsposition	Decke
Installationsumgebung	Indoor
Lichtquelle	LED
Circuit structure	arrayLED
Optik	Medium Wide Flood
Light emission direction	frontal
Lampe Nennleistung	34 W DC
Gesamtleistung	39 W
Lichtstrom (Lichtquelle)	5161 lm
Nominale Eingangsspannung	220 - 240 V AC
Eingangsspannungsbereich	176 - 264 V AC
Frequency	50 - 60 Hz
Ähnlichste Farbtemperatur / Tone	4000 K
Farbwiedergabeindex	98 Ra
Gleichstrom/Gleichspannung	AC
Isolierklasse	2
IP	IP20
Glühdrahtprüfung	850°
Direkte Montage auf normal entflammaren Oberflächen	Ja
CE	Ja
Einschließlich Driver	Driver
Leuchte dimmbar	DALI-2 - PUSH DIM
Schwenkbarkeit	Orientabile
Gesamtwinkel (vertikale Ebene)	90 °
Gesamtwinkel (horizontale Ebene)	360 °
Drehbarkeit	Nein
Begehrbarkeit	Nein
Überrollbarkeit	Nein
Einschließlich Kabel	Nein
Harzbeschichtung	Nein
Typ Lichtabstrahlung	Einflammig
Nettogewicht	0.920 Kg
Schutz vor elektrostatischen Entladungen	Ja
Schutz vor Stoßspannungen	2 KV

Oberfläche Oberfläche Gehäuse	
Material	Stranggepresstes Aluminium EN AB - 46100
Farbe	Text white RAL9003
Bearbeitungstyp	Pulverbeschichtung mit duroplastischen Pulvern

Scheinwerfer | 176-264 V AC /176-280 V DC | 1 arrayLED 34 W DC - 39 W AC | CRI 98
81816N60

Single emission projectors for indoor application. The natural white LED light source with a medium wide flood light distribution is composed of 1 arrayLEDs with CCT of 4000 K and a CRI 98; the source luminous flux is 5161 lm, with a 151.8 lm/W nominal luminous efficacy.

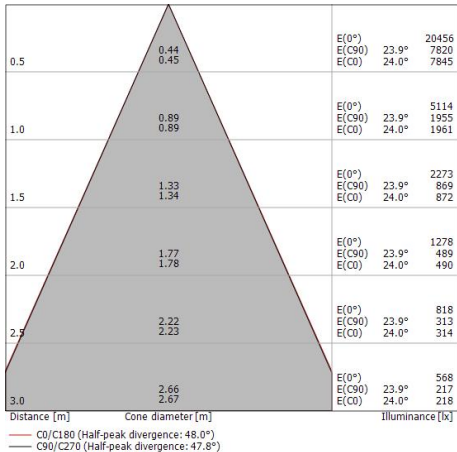
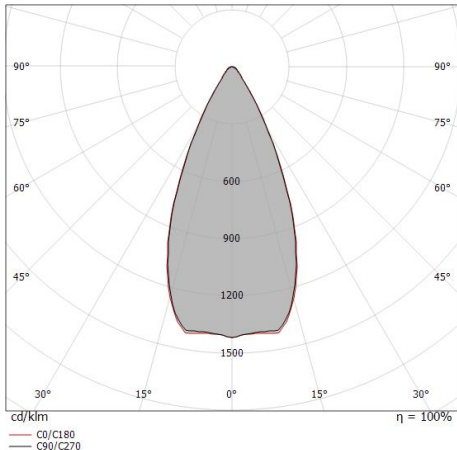
The device body is made of die-cast aluminium en ab - 46100 and features a text white ral9003 finish, processed by means of powder coating with thermosetting powders.

The ingress protection degree is IP20; the total weight is of 0.920 kg.

The total absorbed power is 39 W

The device features protection class II and can be ceiling-mounted.

Compliant with the EN 60598-1 standard and its specific provisions.



Energieeffizienzklasse

Dieses Produkt enthält eine Lichtquelle der Energieeffizienzklasse D.

Illuminotechnical Eigenschaften

Light Output Ratio (LOR)	69 %
Lichtstrom (Lichtquelle)	5161 lm
Leuchten Lichtstrom	3602 lm
Consumption	39 W
Leuchten Lichtausbeute	92 lm/W
Farbtemperatur	4000 K
Standard Deviation of Colour Matching	2 Step MacAdam
Farbwiedergabeindex	98 Ra
Black Body Locus	On
Standardumgebungstemperatur	-20 / +50°C
Typische Temperatur am Glas	40°C

LED Life / Failure Ratio

L70 B10 C0 235315h (at Tj 65 Ta 25)

L80 B10 C0 147343h (at Tj 65 Ta 25)

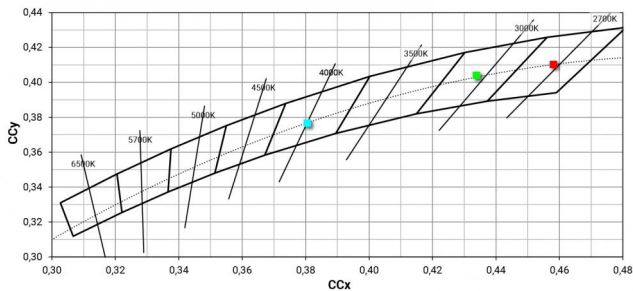
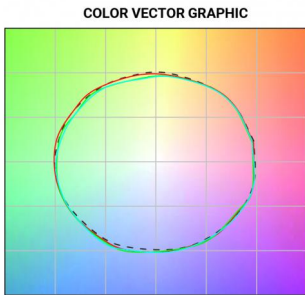
L90 B10 C0 69745h (at Tj 65 Ta 25)

UGR

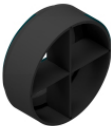
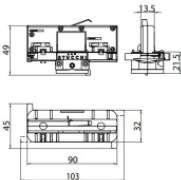
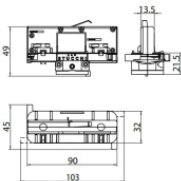
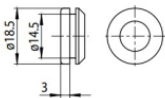
UGR axial	25
UGR transversal	25
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

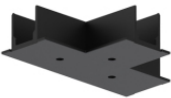
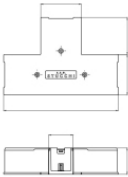
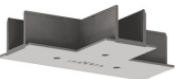
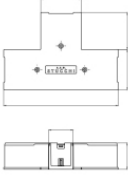
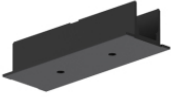
Optik C0/C180	48°
Light distribution simmetry	Symmetrical



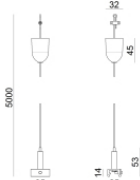
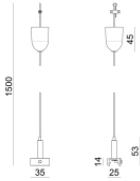
Optus_T | Projectors | Accessories
81816N60

	Blendschutz Blendschutzart: frangiluce a croce. Material:Pom-C, farbe:Schwarz.	Code C-U300031
	Blendschutz Blendschutzart: wabenraster. Material:Pom-C, farbe:Schwarz.	Code C-U300014
	Diffusor - Es ist nicht mit 60°-Optiken kompatibel	Code C-U300013
	Blendschutz Blendschutzart: schermo cilindrico. Material:Pom-C, farbe:Schwarz.	Code C-U300029
	Blendschutz Blendschutzart: schermo cilindrico 45°. Material:Pom-C, farbe:Schwarz.	Code C-U300030
 		Code 81095
 		Code 81094
 	Endkappe Material:Schwarz, farbe:Black.	Code 81085

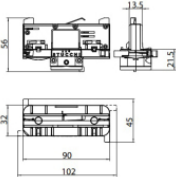
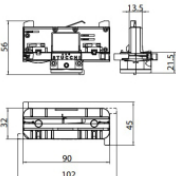
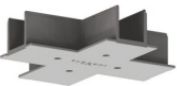
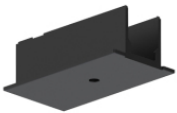
Optus_T | Projectors | Accessories
81816N60

		Endkappe Material:Weiß.	Code 81084
		Drahtabdeckung Material:Schwarz, farbe:Black.	Code 83250
		Drahtabdeckung Material:Weiß.	Code 83249
		Drahtabdeckung Material:PC, farbe:Black.	Code 81079
		Drahtabdeckung Material:PC, farbe:Weiß.	Code 81078
		Drahtabdeckung Material:PC, farbe:Black.	Code 81073
		Drahtabdeckung Material:PC, farbe:Weiß.	Code 81072
		Klammer L=180mm, H=24mm, D=20mm. Material:Aluminium, farbe:Schwarz RAL 9005, bearbeitungstyp :Lackierung.	Code 81026

Optus_T | Projectors | Accessories
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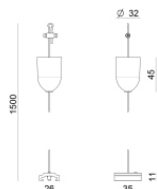
		Klammer L=180mm, H=24mm, D=20mm. Material:Aluminium, farbe:Weiß RAL 9010, bearbeitungstyp :Lackierung.	Code 81025
		Klammer L=180mm, H=24mm, D=26mm. Material:Aluminium, farbe:Anodised aluminium, bearbeitungstyp :Eloxierung.	Code 81024
		Hängeleuchten Material:Kunststoff, farbe:Black.	Code 81019
		Hängeleuchten Material:Kunststoff, farbe:Weiß.	Code 81018
		Hängeleuchten Material:Kunststoff, farbe:Black.	Code 81009
		Hängeleuchten Material:Kunststoff, farbe:Weiß.	Code 81007
		Hängeleuchten Material:Kunststoff, farbe:Black.	Code 81008
		Hängeleuchten Material:Kunststoff, farbe:Weiß.	Code 81006

Optus_T | Projectors | Accessories
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		Werkzeug - Schneidezange S?9000/T Material:Gummi, farbe:Black.	Code <u>81005</u>
			Code <u>81093</u>
			Code <u>81091</u>
		Drahtabdeckung Material:PC, farbe:Black.	Code <u>81082</u>
		Drahtabdeckung Material:PC, farbe:Weiß.	Code <u>81081</u>
		Drahtabdeckung Material:PC, farbe:Black.	Code <u>81076</u>
		Drahtabdeckung Material:PC, farbe:Weiß.	Code <u>81075</u>
		Drahtabdeckung Material:PC, farbe:Black.	Code <u>81070</u>

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		Drahtabdeckung Material:PC, farbe:Weiß.	Code 81069
		Klammer L=35mm, H=14mm, D=24mm. Material:Aluminium, farbe:Text black RAL9005, bearbeitungstyp :Lackierung.	Code 81088
		Klammer L=35mm, H=14mm, D=24mm. Material:Aluminium, farbe:Weiß, bearbeitungstyp :Lackierung.	Code 81087
		Klammer L=35mm, H=14mm, D=24mm. Material:Aluminium, farbe:Polished aluminium.	Code 81086
		Hängeleuchten Material:Kunststoff, farbe:Black.	Code 81022
		Hängeleuchten Material:Kunststoff, farbe:Weiß.	Code 81021
		Deckenrosette - Schwarzes Aufhängungsset 5 m + Halterung (9000-KIT5-5-B) Einschließlich Driver: Nein. Material:Kunststoff, farbe:Black.	Code 81015
		Deckenrosette - Weißes Aufhängungsset 5 m + Halterung (9000-KIT5-5-W) Einschließlich Driver: Nein. Material:Kunststoff, farbe:Weiß.	Code 81013

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81816N60

Deckenrosette - Schwarzes Aufhängungsset 1,5 m + Halterung (9000-KIT5-1,5-B)

Einschließlich Driver: Nein.

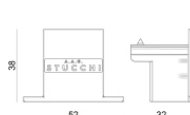
Material:Kunststoff, farbe:Black.

Code81014

Deckenrosette - Weißes Aufhängungsset 1,5 m + Halterung (9000-KIT5-1,5-W)

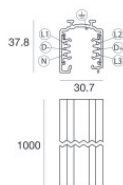
Einschließlich Driver: Nein.

Material:Kunststoff, farbe:Weiß.

Code81012

Endkappe

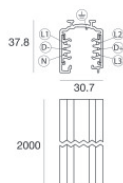
Material:PC, farbe:Black.

Code81003

Schiene

Länge: 1000mm; Typ Schiene: Standard.

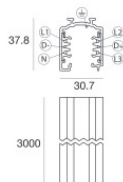
Material:Aluminium, farbe:Text white RAL9003, bearbeitungstyp :Lackierung.

Code83336

Schiene

Länge: 2000mm; Typ Schiene: Standard.

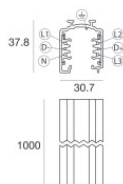
Material:Aluminium, farbe:Text white RAL9003, bearbeitungstyp :Lackierung.

Code83337

Schiene

Länge: 3000mm; Typ Schiene: Standard.

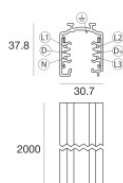
Material:Aluminium, farbe:Text white RAL9003, bearbeitungstyp :Lackierung.

Code83338

Schiene

Länge: 1000mm; Typ Schiene: Standard.

Material:Aluminium, farbe:Text black RAL9005, bearbeitungstyp :Lackierung.

Code83339

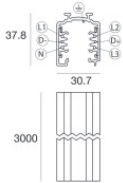
Schiene

Länge: 2000mm; Typ Schiene: Standard.

Material:Aluminium, farbe:Text black RAL9005, bearbeitungstyp :Lackierung.

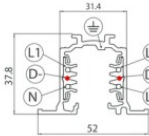
Code83340

Optus_T | Projectors | Accessories
81816N60



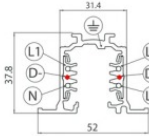
Schiene
Länge: 3000mm; Typ Schiene: Standard.
Material:Aluminium, farbe:Text black RAL9005, bearbeitungstyp :Lackierung.

Code
83341



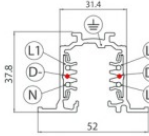
Schiene
Länge: 1000mm; Typ Schiene: Standard.
Material:Aluminium, farbe:Text white RAL9003, bearbeitungstyp :Lackierung.

Code
80990



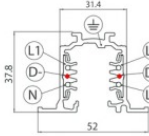
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Material:Aluminium, farbe:Text white RAL9003, bearbeitungstyp :Lackierung.

Code
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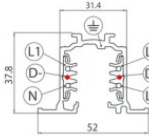
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Code
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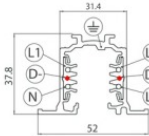
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Material:Aluminium, farbe:Text black RAL9005, bearbeitungstyp :Lackierung.

Code
80993



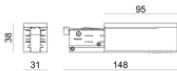
Schiene
Länge: 2000mm; Typ Schiene: Standard.
Material:Aluminium, farbe:Text black RAL9005, bearbeitungstyp :Lackierung.

Code
80994



Schiene
Länge: 3000mm; Typ Schiene: Standard.
Material:Aluminium, farbe:Text black RAL9005, bearbeitungstyp :Lackierung.

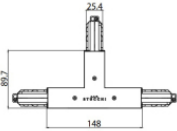
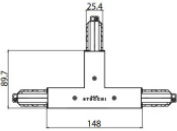
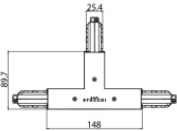
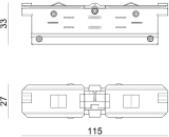
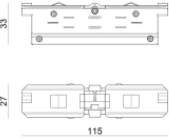
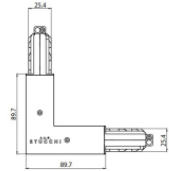
Code
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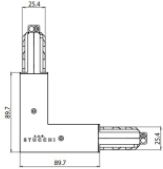
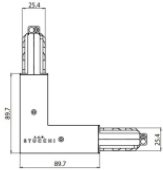
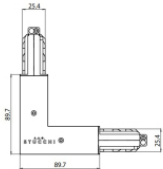
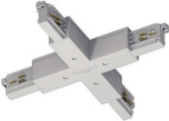
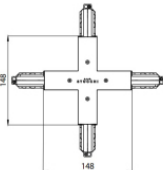
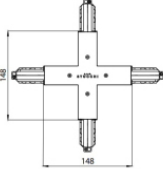
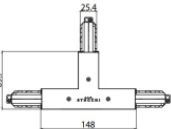
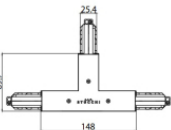
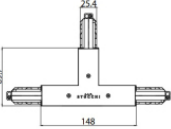
Stromversorgung
Material:PC, farbe:Weiß.

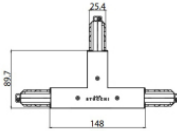
Code
81033

Optus_T | Projectors | Accessories
81816N60

		Kabelverbindung Typ linear. Material:PC, farbe:Black.	Code <u>81052</u>
		Kabelverbindung Typ linear. Material:PC, farbe:Weiß.	Code <u>81054</u>
		Kabelverbindung Typ linear. Material:PC, farbe:Black.	Code <u>81055</u>
		Endkappe Material:PC, farbe:Weiß.	Code <u>80999</u>
		Endkappe Material:PC, farbe:Black.	Code <u>81000</u>
		Kabelverbindung Typ linear. Material:PC, farbe:Weiß.	Code <u>81039</u>
		Kabelverbindung Typ linear. Material:PC, farbe:Black.	Code <u>81040</u>
		Kabelverbindung Typ linear. Material:PC, farbe:Weiß.	Code <u>81045</u>

Optus_T | Projectors | Accessories
81816N60

		Kabelverbindung Typ linear. Material:PC, farbe:Black.	Code <u>81046</u>
		Kabelverbindung Typ linear. Material:PC, farbe:Weiß.	Code <u>81048</u>
		Kabelverbindung Typ linear. Material:PC, farbe:Black.	Code <u>81049</u>
		Kabelverbindung Typ linear. Material:PC, farbe:Weiß.	Code <u>81063</u>
		Kabelverbindung Typ linear. Material:PC, farbe:Black.	Code <u>81064</u>
		Kabelverbindung Typ linear. Material:PC, farbe:Weiß.	Code <u>81057</u>
		Kabelverbindung Typ linear. Material:PC, farbe:Black.	Code <u>81058</u>
		Kabelverbindung Typ linear. Material:PC, farbe:Weiß.	Code <u>81060</u>

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Kabelverbindung
Typ linear.
Material:PC, farbe:Black.

Code
81061



Endkappe
Material:PC, farbe:Weiß.

Code
81002



Optik - SPOT
Lichtverteilung: spot,Material Verkleidung: uv beständiges polycarbonat

Code
C-U300015



Optik - FLOOD
Lichtverteilung: flood,Material Verkleidung: uv beständiges polycarbonat

Code
C-U300016



Optik - WIDE FLOOD
Lichtverteilung: medium flood,Material Verkleidung: uv beständiges polycarbonat

Code
C-U300017



Optik - Kit mit variabler Brennweite
Lichtverteilung: einstellbar,Material Verkleidung: extra-helles glas - gehärtet

Code
C-U300034