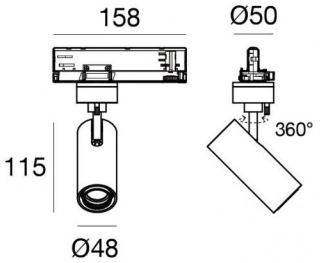
Scheinwerfer | 198-264 V
1 arrayLED 13 W DC - 14 W AC | CRI 90
82228N60





Technische Daten	
Typ	Schiene
Installationsposition	Decke
Installationsumgebung	Indoor
Lichtquelle	LED
Circuit structure	arrayLED
Optik	Medium Wide Flood
Light emission direction	frontal
Lampe Nennleistung	13 W DC
Gesamtleistung	14 W
Lichtstrom (Lichtquelle)	1637 lm
Nominale Eingangsspannung	220 - 240 V AC
Eingangsspannungsbereich	198 - 264 V AC
Frequency	50 - 60 Hz
Ähnlichste Farbtemperatur / Tone	4000 K
Farbwiedergabeindex	90 Ra
Gleichstrom/Gleichspannung	AC
Isolierklasse	2
IP	IP20
Glühdrahtprüfung	850°
Direkte Montage auf normal entflammbaren Oberflächen	Ja
CE	Ja
Einschließlich Driver	Driver
Leuchte dimmbar	Dimming on Board
Schwenkbarkeit	Orientabile
Gesamtwinkel (vertikale Ebene)	90 °
Gesamtwinkel (horizontale Ebene)	360 °
Drehbarkeit	Nein
Begehbarkeit	Nein
Überrollbarkeit	Nein
Einschließlich Kabel	Nein
Harzbeschichtung	Nein
Typ Lichtabstrahlung	Einflammig
Nettogewicht	0.39 Kg
Schutz vor elektrostatischen Entladungen	Ja
Schutz vor Stoßspannungen	2 KV
Optiktechnologie	Anti - Glare

Oberfläche Oberfläche Gehäuse	
Material	Stranggepresstes Aluminium EN AB - 46100
Farbe	Text black RAL9005
Bearbeitungstyp	Pulverbeschichtung mit duroplastischen Pulvern

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Scheinwerfer | 198-264 V | 1 arrayLED 13 W DC - 14 W AC | CRI 90
82228N60

Single emission projectors for indoor application. The natural white LED light source with a medium wide flood light distribution is composed of 1 arrayled LEDs with CCT of 4000 K and a CRI 90; the source luminous flux is 1637 lm, with a 125.9 lm/W nominal luminous efficacy.

The device body is made of die-cast aluminium en ab - 46100 and features a text black ral9005 finish, processed by means of powder coating with thermosetting powders.

The ingress protection degree is IP20; the total weight is of 0.39 kg.

The total absorbed power is 14 W

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

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

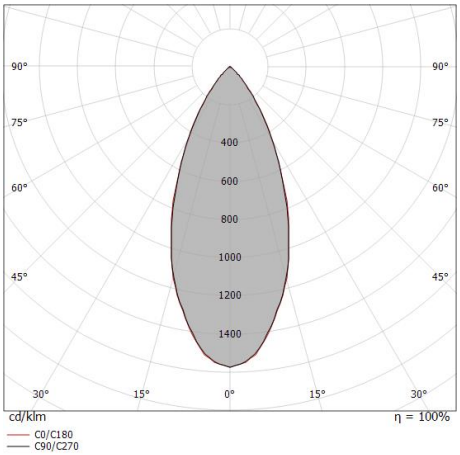
Energieeffizienzklasse
Dieses Produkt enthält eine Lichtquelle der Energieeffizienzklasse D.

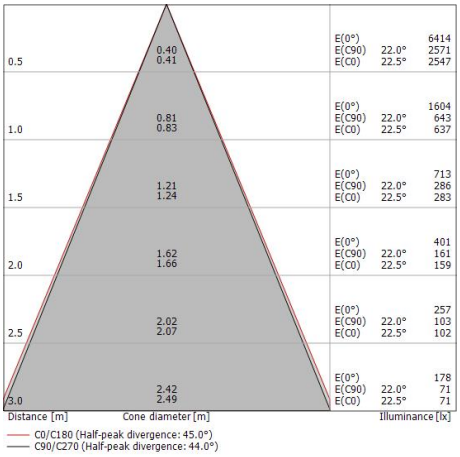
Illuminotechnical Eigenschaften	
Light Output Ratio (LOR)	62 %
Lichtstrom (Lichtquelle)	1637 lm
Leuchten Lichtstrom	1020 lm
Consumption	14 W
Leuchten Lichtausbeute	72 lm/W
Farbtemperatur	4000 K
Standard Deviation of Colour Matching	2 Step MacAdam
Farbwiedergabeindex	90 Ra
Colour Rendering Index	60 R9
Black Body Locus	On
Standardumgebungstemperatur	-20 / +50°C
Typische Temperatur am Glas	40°C

LED Life / Failure Ratio
L70 B10 C0 231262h (at Tj 65 Ta 25)
L80 B10 C0 144799h (at Tj 65 Ta 25)
L90 B10 C0 68534h (at Tj 65 Ta 25)

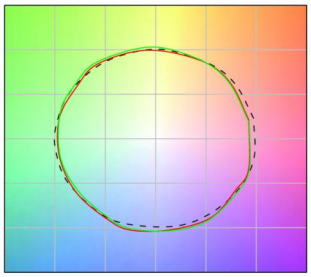
UGR	
UGR axial	24
UGR transversal	23.9
X=4H | Y=8H	S=0.25H
Reflection factor	70/50/20

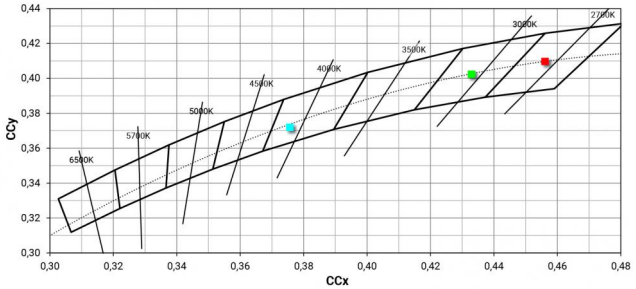
OPTICAL	
Optik C0/C180	44°
Light distribution simmetry	Symmetrical





COLOR VECTOR GRAPHIC





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Pound_T | Projectors | Accessories
82228N60



Optik
Lichtverteilung: spot,Material Verkleidung: uv beständiges polycarbonat

Code
99805



Optik
Lichtverteilung: medium flood,Material Verkleidung: uv beständiges polycarbonat

Code
99806



Optik
Lichtverteilung: flood,Material Verkleidung: uv beständiges polycarbonat

Code
99807



Blendschutz
Blendschutzart: schermo cilindrico 45°.
Material:Pom-C, farbe:Schwarz.

Code
99773



Blendschutz
Blendschutzart: schermo cilindrico.
Material:Pom-C, farbe:Schwarz.

Code
99774



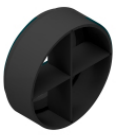
Diffusor
Diffusorart: filtro ellittico.
Material:Pom-C, farbe:Schwarz.

Code
99775



Blendschutz
Blendschutzart: wabenraster.
Material:Pom-C, farbe:Schwarz.

Code
99776



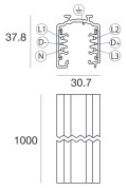
Blendschutz
Blendschutzart: frangiluce a croce.
Material:Pom-C, farbe:Schwarz.

Code
99777

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Pound_T | Projectors | Accessories
82228N60

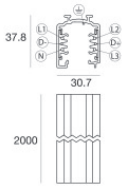




Schiene
Länge: 1000mm; Typ Schiene: Standard.
Material:Aluminium, farbe:Text white RAL9003, bearbeitungstyp :Lackierung.

Code
83336

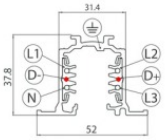




Schiene
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Material:Aluminium, farbe:Text white RAL9003, bearbeitungstyp :Lackierung.

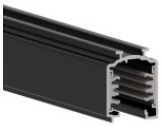
Code
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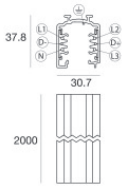




Schiene
Länge: 2000mm; Typ Schiene: Standard.
Material:Aluminium, farbe:Text white RAL9003, bearbeitungstyp :Lackierung.

Code
80991

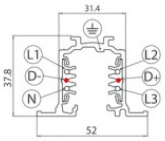




Schiene
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Material:Aluminium, farbe:Text black RAL9005, bearbeitungstyp :Lackierung.

Code
83340

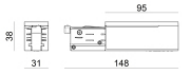




Schiene
Länge: 3000mm; Typ Schiene: Standard.
Material:Aluminium, farbe:Text black RAL9005, bearbeitungstyp :Lackierung.

Code
80995

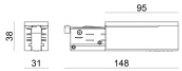




Stromversorgung
Material:PC, farbe:Weiß.

Code
81033

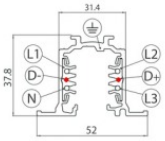




Stromversorgung
Material:PC, farbe:Black.

Code
81034





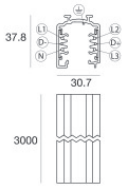
Schiene
Länge: 2000mm; Typ Schiene: Standard.
Material:Aluminium, farbe:Text black RAL9005, bearbeitungstyp :Lackierung.

Code
80994

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Pound_T | Projectors | Accessories
82228N60





Schiene
Länge: 3000mm; Typ Schiene: Standard.
Material:Aluminium, farbe:Text white RAL9003, bearbeitungstyp :Lackierung.

Code
83338





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

Code
81043

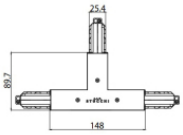




Kabelverbindung
Typ linear.
Material:PC, farbe:Weiß.

Code
81042

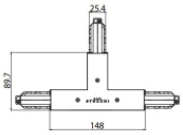




Kabelverbindung
Typ linear.
Material:PC, farbe:Weiß.

Code
81051

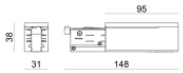




Kabelverbindung
Typ linear.
Material:PC, farbe:Black.

Code
81052

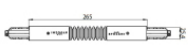




Stromversorgung
Material:PC, farbe:Weiß.

Code
81036





Kabelverbindung
Typ flexible curve.
Material:PC, farbe:Weiß.

Code
81066



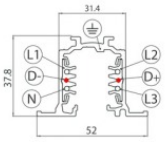
Endkappe
Material:PC, farbe:Weiß.

Code
80999

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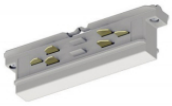
Pound_T | Projectors | Accessories
82228N60

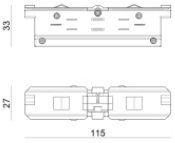




Schiene
Länge: 1000mm; Typ Schiene: Standard.
Material:Aluminium, farbe:Text white RAL9003, bearbeitungstyp :Lackierung.

Code
80990

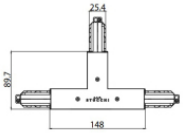




Kabelverbindung
Typ linear.
Material:PC, farbe:Weiß.

Code
81039

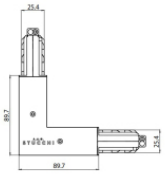




Kabelverbindung
Typ linear.
Material:PC, farbe:Weiß.

Code
81054

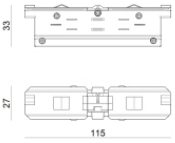




Kabelverbindung
Typ linear.
Material:PC, farbe:Weiß.

Code
81045

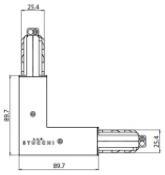




Kabelverbindung
Typ linear.
Material:PC, farbe:Black.

Code
81040

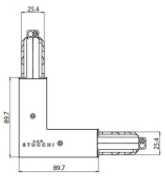




Kabelverbindung
Typ linear.
Material:PC, farbe:Weiß.

Code
81048





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

Code
81049

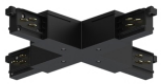


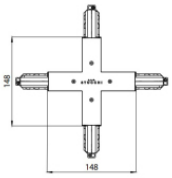
Endkappe
Material:PC, farbe:Black.

Code
81000

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Pound_T | Projectors | Accessories
82228N60

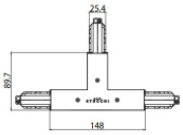




Kabelverbindung
Typ linear.
Material:PC, farbe:Black.

Code
81064

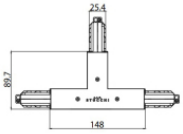




Kabelverbindung
Typ linear.
Material:PC, farbe:Weiß.

Code
81057

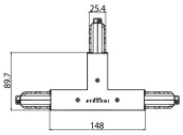




Kabelverbindung
Typ linear.
Material:PC, farbe:Black.

Code
81058

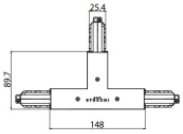




Kabelverbindung
Typ linear.
Material:PC, farbe:Weiß.

Code
81060





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

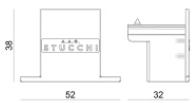
Code
81061



Endkappe
Material:PC, farbe:Weiß.

Code
81002





Endkappe
Material:PC, farbe:Black.

Code
81003

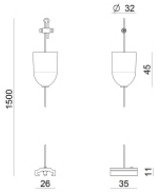


Deckenrosette - Weißes Aufhängungsset 1,5 m + Halterung (9000-KIT5-1,5-W)
Einschließlich Driver: Nein.
Material:Kunststoff, farbe:Weiß.

Code
81012

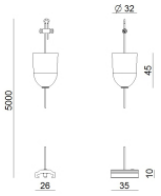
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Pound_T | Projectors | Accessories
82228N60

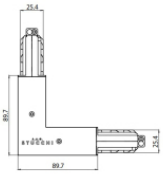
Deckenrosette - Schwarzes Aufhängungsset 1,5 m + Halterung (9000-KIT5-1,5-B)
Einschließlich Driver: Nein.
Material:Kunststoff, farbe:Black.

Code
81014

Deckenrosette - Weißes Aufhängungsset 5 m + Halterung (9000-KIT5-5-W)
Einschließlich Driver: Nein.
Material:Kunststoff, farbe:Weiß.

Code
81013

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

Code
81046



Hängeleuchten
Material:Kunststoff, farbe:Weiß.

Code
81021



Hängeleuchten
Material:Kunststoff, farbe:Black.

Code
81022




Klammer
L=35mm, H=14mm, D=24mm.
Material:Aluminium, farbe:Polished aluminium.

Code
81086




Klammer
L=35mm, H=14mm, D=24mm.
Material:Aluminium, farbe:Weiß, bearbeitungstyp :Lackierung.

Code
81087

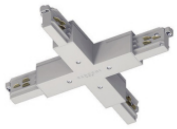


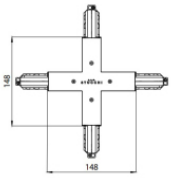

Klammer
L=35mm, H=14mm, D=24mm.
Material:Aluminium, farbe:Text black RAL9005, bearbeitungstyp :Lackierung.

Code
81088

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Pound_T | Projectors | Accessories
82228N60





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

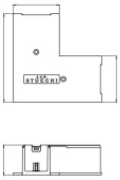
Code
81063



Deckenrosette - Schwarzes Aufhängungsset 5 m + Halterung (9000-KIT5-5-B)
Einschließlich Driver: Nein.
Material:Kunststoff, farbe:Black.

Code
81015

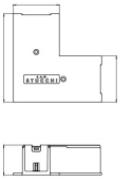




Drahtabdeckung
Material:PC, farbe:Weiß.

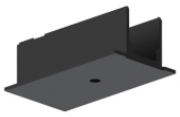
Code
81075





Drahtabdeckung
Material:PC, farbe:Black.

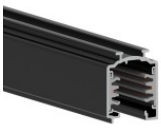
Code
81076

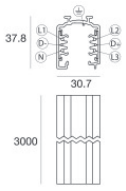




Drahtabdeckung
Material:PC, farbe:Black.

Code
81070

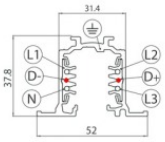




Schiene
Länge: 3000mm; Typ Schiene: Standard.
Material:Aluminium, farbe:Text black RAL9005, bearbeitungstyp :Lackierung.

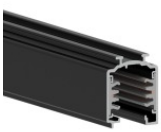
Code
83341

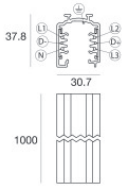




Schiene
Länge: 3000mm; Typ Schiene: Standard.
Material:Aluminium, farbe:Text white RAL9003, bearbeitungstyp :Lackierung.

Code
80992





Schiene
Länge: 1000mm; Typ Schiene: Standard.
Material:Aluminium, farbe:Text black RAL9005, bearbeitungstyp :Lackierung.

Code
83339

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Pound_T | Projectors | Accessories
82228N60



Werkzeug - Schneidezange S?9000/T
Material:Gummi, farbe:Black.

Code
81005





Kabelverbindung
Typ flexible curve.
Material:PC, farbe:Black.

Code
81067





Drahtabdeckung
Material:PC, farbe:Weiß.

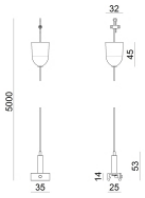
Code
81069



Hängeleuchten
Material:Kunststoff, farbe:Weiß.

Code
81007

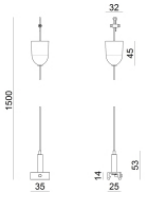




Hängeleuchten
Material:Kunststoff, farbe:Black.

Code
81009





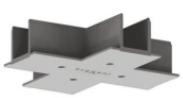
Hängeleuchten
Material:Kunststoff, farbe:Black.

Code
81008



Hängeleuchten
Material:Kunststoff, farbe:Black.

Code
81019





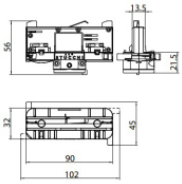
Drahtabdeckung
Material:PC, farbe:Weiß.

Code
81081

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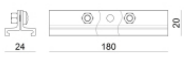
Pound_T | Projectors | Accessories
82228N60





Code
81093

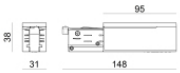




Klammer
L=180mm, H=24mm, D=20mm.
Material:Aluminium, farbe:Schwarz RAL 9005, bearbeitungstyp :Lackierung.

Code
81026

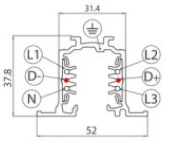




Stromversorgung
Material:PC, farbe:Black.

Code
81037





Schiene
Länge: 1000mm; Typ Schiene: Standard.
Material:Aluminium, farbe:Text black RAL9005, bearbeitungstyp :Lackierung.

Code
80993

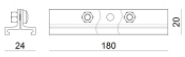




Drahtabdeckung
Material:PC, farbe:Black.

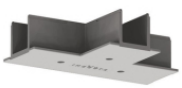
Code
81082

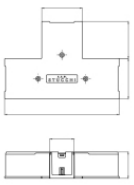




Klammer
L=180mm, H=24mm, D=20mm.
Material:Aluminium, farbe:Weiß RAL 9010, bearbeitungstyp :Lackierung.

Code
81025





Drahtabdeckung
Material:PC, farbe:Weiß.

Code
81078



Hängeleuchten
Material:Kunststoff, farbe:Weiß.

Code
81018

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Pound_T | Projectors | Accessories
82228N60



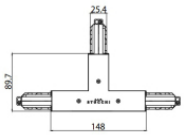
Drahtabdeckung
Material:Schwarz, farbe:Black.

Code
83250

Drahtabdeckung
Material:Weiß.

Code
83249





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

Code
81055





Drahtabdeckung
Material:PC, farbe:Weiß.

Code
81072

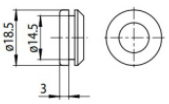




Klammer
L=180mm, H=24mm, D=26mm.
Material:Aluminium, farbe:Anodised aluminium, bearbeitungstyp :Eloxierung.

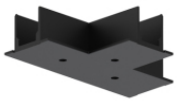
Code
81024

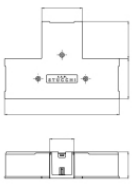




Endkappe
Material:Weiß.

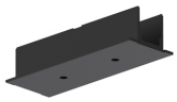
Code
81084





Drahtabdeckung
Material:PC, farbe:Black.

Code
81079





Drahtabdeckung
Material:PC, farbe:Black.

Code
81073

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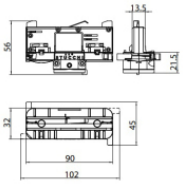
Pound_T | Projectors | Accessories
82228N60



Hängeleuchten
Material:Kunststoff, farbe:Weiß.

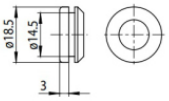
Code
81006





Code
81091

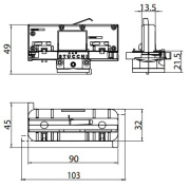




Endkappe
Material:Schwarz, farbe:Black.

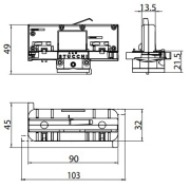
Code
81085





Code
81094





Code
81095

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