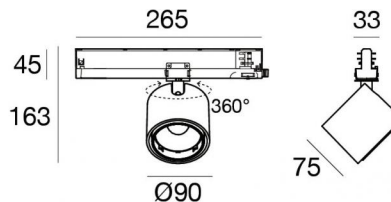
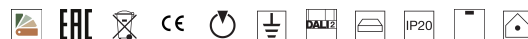


Scheinwerfer | 176-264 V AC /176-280 V DC  
1 arrayLED 24 W DC - 27 W AC | CRI 98  
**82896W15**



| Technische Daten                                    |                   |
|-----------------------------------------------------|-------------------|
| Typ                                                 | Schiene           |
| Installationsposition                               | Decke             |
| Installationsumgebung                               | Indoor            |
| Lichtquelle                                         | LED               |
| Circuit structure                                   | arrayLED          |
| Optik                                               | Spot              |
| Light emission direction                            | frontal           |
| Lampe Nennleistung                                  | 24 W DC           |
| Gesamtleistung                                      | 27 W              |
| Lichtstrom (Lichtquelle)                            | 3749 lm           |
| Nominale Eingangsspannung                           | 220 - 240 V AC    |
| Eingangsspannungsbereich                            | 176 - 264 V AC    |
| Frequency                                           | 50 - 60 Hz        |
| Ähnlichste Farbtemperatur / Tone                    | 3000 K            |
| Farbwiedergabeindex                                 | 98 Ra             |
| Gleichstrom/Gleichspannung                          | AC                |
| Isolierklasse                                       | 1                 |
| 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                                        | 0.625 Kg          |
| Schutz vor elektrostatischen Entladungen            | Ja                |
| Schutz vor Stoßspannungen                           | 3 KV              |

#### Oberfläche Oberfläche Gehäuse

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

Scheinwerfer | 176-264 V AC /176-280 V DC | 1 arrayLED 24 W DC - 27 W AC | CRI 98  
82896W15

Single emission projectors for indoor application. The warm white LED light source with a spot light distribution is composed of 1 arrayLEDs with CCT of 3000 K and a CRI 98; the source luminous flux is 3749 lm, with a 156.2 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 0.625 kg.

The total absorbed power is 27 W

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

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

#### Energieeffizienzklasse

Dieses Produkt enthält eine Lichtquelle der Energieeffizienzklasse E.

#### Illuminotechnical Eigenschaften

|                                       |                |
|---------------------------------------|----------------|
| Light Output Ratio (LOR)              | 59 %           |
| Lichtstrom (Lichtquelle)              | 3749 lm        |
| Leuchten Lichtstrom                   | 2246 lm        |
| Consumption                           | 27 W           |
| Leuchten Lichtausbeute                | 83 lm/W        |
| Farbtemperatur                        | 3000 K         |
| Standard Deviation of Colour Matching | 2 Step MacAdam |
| Farbwiedergabeindex                   | 98 Ra          |
| Black Body Locus                      | Below          |
| 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 )

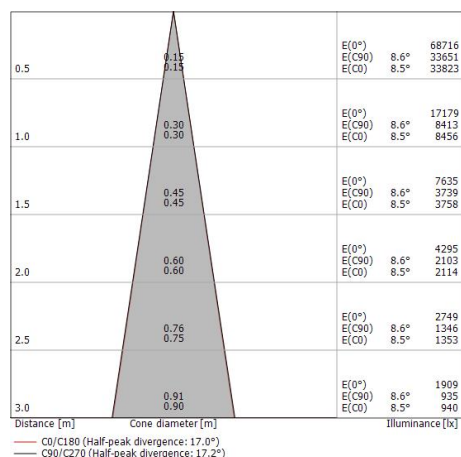
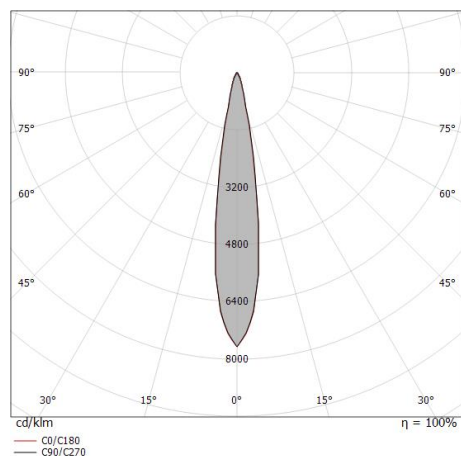
L90 B10 C0 69745h (at Tj 65 Ta 25 )

#### UGR

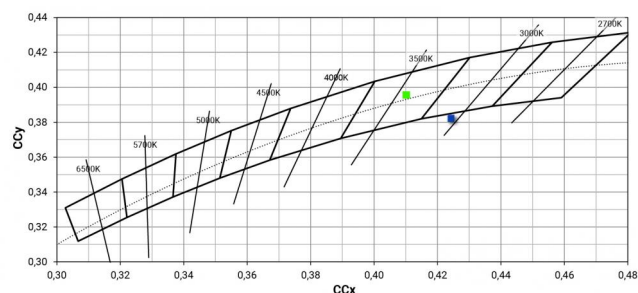
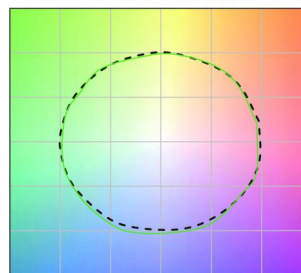
|                   |          |
|-------------------|----------|
| UGR axial         | 17.1     |
| UGR transversal   | 17.1     |
| X=4H   Y=8H       | S=0.25H  |
| Reflection factor | 70/50/20 |

#### OPTICAL

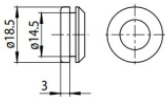
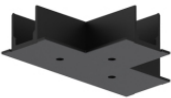
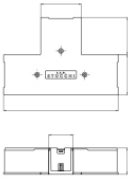
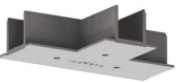
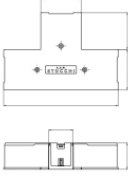
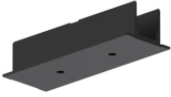
|                             |             |
|-----------------------------|-------------|
| Optik C0/C180               | 17°         |
| Light distribution simmetry | Symmetrical |



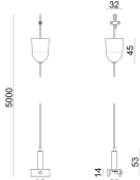
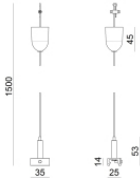
#### COLOR VECTOR GRAPHIC



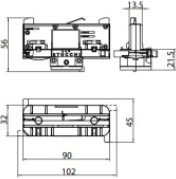
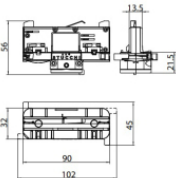
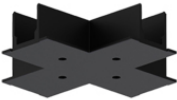
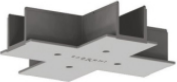
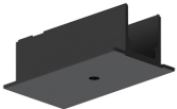
Optus\_T | Projectors | Accessories  
82896W15

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

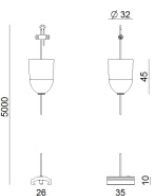
Optus\_T | Projectors | Accessories  
82896W15

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

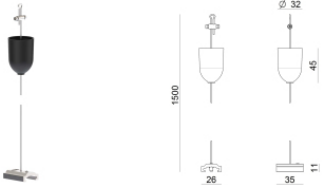
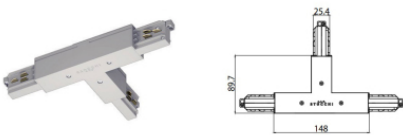
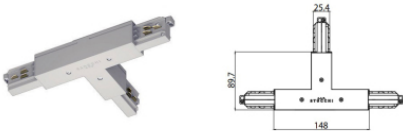
Optus\_T | Projectors | Accessories  
82896W15

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

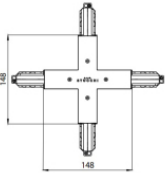
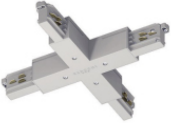
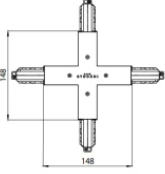
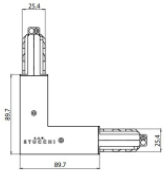
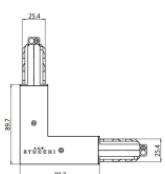
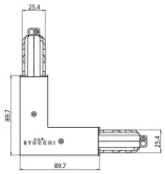
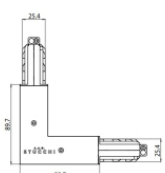
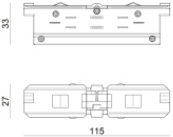
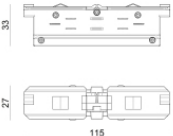
Optus\_T | Projectors | Accessories  
82896W15

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

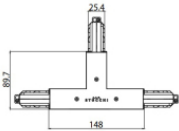
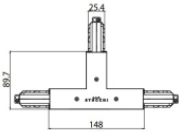
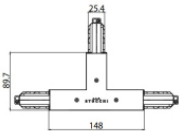
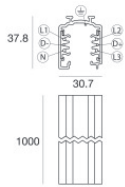
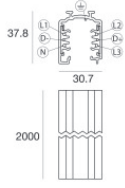
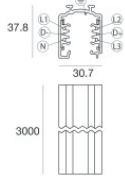
Optus\_T | Projectors | Accessories  
82896W15

|                                                                                     |                                                                                                                                                                  |                                     |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
|    | <p>Deckenrosette - Schwarzes Aufhängungsset 1,5 m + Halterung (9000-KIT5-1,5-B)</p> <p>Einschließlich Driver: Nein.</p> <p>Material:Kunststoff, farbe:Black.</p> | <p><b>Code</b><br/><u>81014</u></p> |
|    | <p>Deckenrosette - Weißes Aufhängungsset 1,5 m + Halterung (9000-KIT5-1,5-W)</p> <p>Einschließlich Driver: Nein.</p> <p>Material:Kunststoff, farbe:Weiß.</p>     | <p><b>Code</b><br/><u>81012</u></p> |
|   | <p>Endkappe</p> <p>Material:PC, farbe:Black.</p>                                                                                                                 | <p><b>Code</b><br/><u>81003</u></p> |
|   | <p>Endkappe</p> <p>Material:PC, farbe:Weiß.</p>                                                                                                                  | <p><b>Code</b><br/><u>81002</u></p> |
|  | <p>Kabelverbindung</p> <p>Typ linear.</p> <p>Material:PC, farbe:Black.</p>                                                                                       | <p><b>Code</b><br/><u>81061</u></p> |
|   | <p>Kabelverbindung</p> <p>Typ linear.</p> <p>Material:PC, farbe:Weiß.</p>                                                                                        | <p><b>Code</b><br/><u>81060</u></p> |
|  | <p>Kabelverbindung</p> <p>Typ linear.</p> <p>Material:PC, farbe:Black.</p>                                                                                       | <p><b>Code</b><br/><u>81058</u></p> |
|   | <p>Kabelverbindung</p> <p>Typ linear.</p> <p>Material:PC, farbe:Weiß.</p>                                                                                        | <p><b>Code</b><br/><u>81057</u></p> |

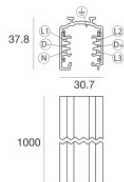
Optus\_T | Projectors | Accessories  
82896W15

|                                                                                     |                                                                                     |                                                                            |                          |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------|--------------------------|
|    |    | <p>Kabelverbindung</p> <p>Typ linear.</p> <p>Material:PC, farbe:Black.</p> | <p>Code</p> <p>81064</p> |
|    |    | <p>Kabelverbindung</p> <p>Typ linear.</p> <p>Material:PC, farbe:Weiß.</p>  | <p>Code</p> <p>81063</p> |
|    |   | <p>Kabelverbindung</p> <p>Typ linear.</p> <p>Material:PC, farbe:Black.</p> | <p>Code</p> <p>81049</p> |
|  |  | <p>Kabelverbindung</p> <p>Typ linear.</p> <p>Material:PC, farbe:Weiß.</p>  | <p>Code</p> <p>81048</p> |
|  |  | <p>Kabelverbindung</p> <p>Typ linear.</p> <p>Material:PC, farbe:Black.</p> | <p>Code</p> <p>81046</p> |
|  |  | <p>Kabelverbindung</p> <p>Typ linear.</p> <p>Material:PC, farbe:Weiß.</p>  | <p>Code</p> <p>81045</p> |
|  |  | <p>Kabelverbindung</p> <p>Typ linear.</p> <p>Material:PC, farbe:Black.</p> | <p>Code</p> <p>81040</p> |
|  |  | <p>Kabelverbindung</p> <p>Typ linear.</p> <p>Material:PC, farbe:Weiß.</p>  | <p>Code</p> <p>81039</p> |

Optus\_T | Projectors | Accessories  
82896W15

|                                                                                     |                                                                                     |                                                                                                                                |                             |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
|    |                                                                                     | Endkappe<br>Material:PC, farbe:Black.                                                                                          | <b>Code</b><br><u>81000</u> |
|    |                                                                                     | Endkappe<br>Material:PC, farbe:Weiß.                                                                                           | <b>Code</b><br><u>80999</u> |
|    |   | Kabelverbindung<br>Typ linear.<br>Material:PC, farbe:Black.                                                                    | <b>Code</b><br><u>81055</u> |
|   |  | Kabelverbindung<br>Typ linear.<br>Material:PC, farbe:Weiß.                                                                     | <b>Code</b><br><u>81054</u> |
|  |  | Kabelverbindung<br>Typ linear.<br>Material:PC, farbe:Black.                                                                    | <b>Code</b><br><u>81052</u> |
|   |  | Schiene<br>Länge: 1000mm; Typ Schiene: Standard.<br>Material:Aluminium, farbe:Text white RAL9003, bearbeitungstyp :Lackierung. | <b>Code</b><br><u>83336</u> |
|   |  | Schiene<br>Länge: 2000mm; Typ Schiene: Standard.<br>Material:Aluminium, farbe:Text white RAL9003, bearbeitungstyp :Lackierung. | <b>Code</b><br><u>83337</u> |
|   |  | Schiene<br>Länge: 3000mm; Typ Schiene: Standard.<br>Material:Aluminium, farbe:Text white RAL9003, bearbeitungstyp :Lackierung. | <b>Code</b><br><u>83338</u> |

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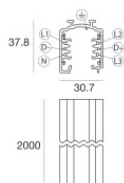
Schiene

Länge: 1000mm; Typ Schiene: Standard.

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

Code

83339



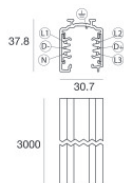
Schiene

Länge: 2000mm; Typ Schiene: Standard.

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

Code

83340



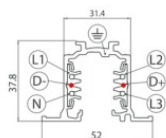
Schiene

Länge: 3000mm; Typ Schiene: Standard.

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

Code

83341



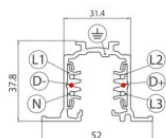
Schiene

Länge: 1000mm; Typ Schiene: Standard.

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

Code

80990



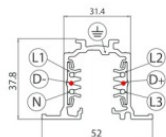
Schiene

Länge: 2000mm; Typ Schiene: Standard.

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

Code

80991



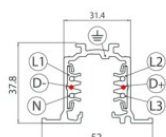
Schiene

Länge: 3000mm; Typ Schiene: Standard.

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

Code

80992



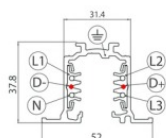
Schiene

Länge: 1000mm; Typ Schiene: Standard.

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

Code

80993



Schiene

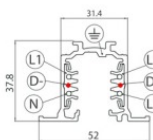
Länge: 2000mm; Typ Schiene: Standard.

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

Code

80994

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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



Stromversorgung

Material:PC, farbe:Weiß.

**Code**

81036



Stromversorgung

Material:PC, farbe:Black.

**Code**

81037



Kabelverbindung

Typ linear.

Material:PC, farbe:Weiß.

**Code**

81042



Kabelverbindung

Typ linear.

Material:PC, farbe:Black.

**Code**

81043



Kabelverbindung

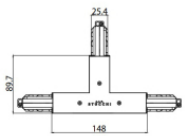
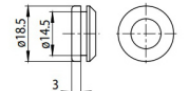
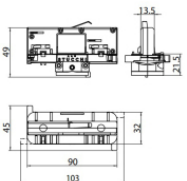
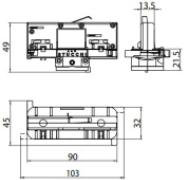
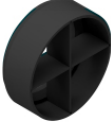
Typ flexible curve.

Material:PC, farbe:Weiß.

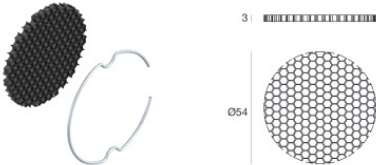
**Code**

81066

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|                                                                                     |                                                                                     |                                                                                                                        |                      |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------|
|     |    | Kabelverbindung<br>Typ flexible curve.<br>Material:PC, farbe:Black.                                                    | <b>Code</b><br>81067 |
|     |    | Kabelverbindung<br>Typ linear.<br>Material:PC, farbe:Weiß.                                                             | <b>Code</b><br>81051 |
|   |    | Endkappe<br>Material:Schwarz, farbe:Black.                                                                             | <b>Code</b><br>81085 |
|   |  |                                                                                                                        | <b>Code</b><br>81094 |
|   |  |                                                                                                                        | <b>Code</b><br>81095 |
|  |                                                                                     | Optik - Fokus-Kit (min 16° max 42°)<br>Lichtverteilung: einstellbar,Material Verkleidung: extra-helles glas - gehärtet | <b>Code</b><br>99843 |
|  |                                                                                     | Diffusor<br>Diffusorart: filtro ellittico.<br>Material:Pom-C, farbe:Schwarz.                                           | <b>Code</b><br>99797 |
|  |                                                                                     | Blendschutz<br>Blendschutzart: frangiluce a croce.<br>Material:Pom-C, farbe:Schwarz.                                   | <b>Code</b><br>99799 |

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|                                                                                     |                                                                                                         |                          |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|--------------------------|
|    | <p>Blendschutz</p> <p>Blendschutzart: wabenraster.</p> <p>Material:Pom-C, farbe:Schwarz.</p>            | <p>Code</p> <p>99798</p> |
|    | <p>Blendschutz</p> <p>Blendschutzart: schermo cilindrico 45°.</p> <p>Material:Pom-C, farbe:Schwarz.</p> | <p>Code</p> <p>99795</p> |
|   | <p>Blendschutz</p> <p>Blendschutzart: schermo cilindrico.</p> <p>Material:Pom-C, farbe:Schwarz.</p>     | <p>Code</p> <p>99796</p> |
|  | <p>Optik</p> <p>Lichtverteilung: spot,Material Verkleidung: uv beständiges polycarbonat</p>             | <p>Code</p> <p>99808</p> |
|  | <p>Optik</p> <p>Lichtverteilung: medium flood,Material Verkleidung: uv beständiges polycarbonat</p>     | <p>Code</p> <p>99809</p> |
|  | <p>Optik</p> <p>Lichtverteilung: flood,Material Verkleidung: uv beständiges polycarbonat</p>            | <p>Code</p> <p>99810</p> |
|  | <p>Blendschutz</p> <p>Blendschutzart: wabenraster.</p> <p>Material:Pom-C, farbe:Schwarz.</p>            | <p>Code</p> <p>99842</p> |