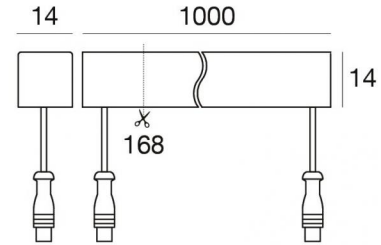
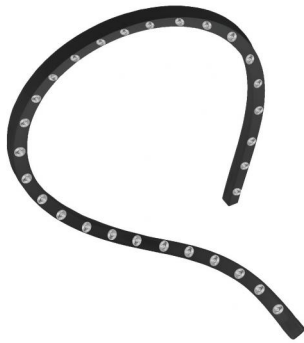


Rubber 3D Optic



LED Strip | 36 topLED 22 W DC 24 V | 22 W/m
2415 Lm/m | CRI 85
82219N30



Technische Daten	
Länge	1000 mm
Minimaler Schnitt	168 mm
Typ	LED Strip
Installationsposition	Wand - Decke - Boden
Installationsumgebung	Outdoor
Lichtquelle	LED
Circuit structure	topLED
Optik	Wide Flood
Light emission direction	downward
Lampe Nennleistung	22 W DC
Lampenleistung / m	22 W / m
Lichtstrom (Lichtquelle)	2415 lm
Lichtstrom (Lichtquelle) / m	2415 lm / m
Ähnlichste Farbtemperatur / Tone	4000 K
Farbwiedergabeindex	85 Ra
Gleichstrom/Gleichspannung	CV
Isolierklasse	3
IP	IP67
IK	IK07
Glühdrahtprüfung	960°
Direkte Montage auf normal entflammaren Oberflächen	Ja
CE	Ja
ETL	Ja
Einschließlich Driver	Nein
Leuchte dimmbar	DALI - 1-10V
Schwenkbarkeit	Nein
Drehbarkeit	Nein
Begehbarkeit	Nein
Überrollbarkeit	Nein
Einschließlich Kabel	Ja
Kabellänge	1(M)x0.25 m + 1(F)x0.25 m
Harzbeschichtung	Ja
Typ Lichtabstrahlung	Einflammig
Länge	1000 mm
Nettogewicht	0.29 Kg
Schutz vor elektrostatischen Entladungen	Nein
Schutz vor Stoßspannungen	Nein

Oberfläche Gehäuse

Material	Technopolymer
Farbe	Schwarz

Oberfläche Diffusor

Material	PU
Farbe	Schwarz

Elektronik

- 
99331
On/Off Driver 198-264V AC / 176-275V DC 150 W (1 - 6 art.)

- 
99332
1-10V Controller (1 - 6 art.)

- 
99374
On/Off Driver 198-264V AC / 176-275V DC 75 W (1 - 3 art.)

- 
83333
Push and Simply Dim - DALI-2 Controller (1 - 6 art.)

- 
C-E400002
Push and Simply Dim - DALI-2 Controller (1 - 10 art.)

Rubber 3D Optic



LED Strip | 36 topLED 22 W DC 24 V | 22 W/m | 2415 Lm/m | CRI 85
82219N30

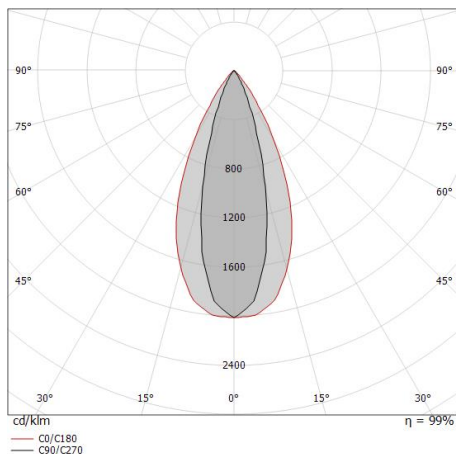
Single emission led strip for outdoor application. The natural white LED light source with a wide flood light distribution is composed of 36 topLED LEDs with CCT of 4000 K and a CRI 85; the source luminous flux is 2415 lm, with a 109.8 lm/W nominal luminous efficacy.

The device body is made of technopolymer and features a black finish; the diffuser is made of pu. The ingress protection degree is IP67; the total weight is of 0.29 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 22 W. The power supply cable is included and features a 1(M)x0.25 m + 1(F)x0.25 m length.

The device features protection class III and can be wall lights, ceiling or floor-mounted with an outer casing, code 82199(for concrete or masonry).

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



Distance [m]	Cone diameter [m]	illuminance [lx]
0.5	0.26 0.47	E(0°) 14332 E(C90) 14.7° 6498 E(C0) 25.1° 5322
1.0	0.52 0.94	E(0°) 3583 E(C90) 14.7° 1624 E(C0) 25.1° 1331
1.5	0.79 1.41	E(0°) 1592 E(C90) 14.7° 722 E(C0) 25.1° 591
2.0	1.05 1.87	E(0°) 896 E(C90) 14.7° 406 E(C0) 25.1° 333
2.5	1.31 2.34	E(0°) 573 E(C90) 14.7° 260 E(C0) 25.1° 213
3.0	1.57 2.81	E(0°) 398 E(C90) 14.7° 180 E(C0) 25.1° 148

— C0/C180 (Half-peak divergence: 50.2°)
 — C90/C270 (Half-peak divergence: 29.4°)

Energieeffizienzklasse

Dieses Produkt enthält 2 Lichtquellen der Energieeffizienzklasse F.

Illuminotechnical Eigenschaften

Light Output Ratio (LOR)	73 %
Lichtstrom (Lichtquelle)	2415 lm
Leuchten Lichtstrom	1778 lm
Consumption	22 W
Leuchten Lichtausbeute	80 lm/W
Farbtemperatur	4000 K
Standard Deviation of Colour Matching	3 Step MacAdam
Farbwiedergabeindex	85 Ra
Verbindungstemperatur (Leuchte)	80
Standardumgebungstemperatur	-20 / +50°C

LED Life / Failure Ratio

L70 B20 C0 72500h

UGR

UGR axial	10.1
UGR transversal	16.9
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

Optik C90/C270	29°
Optik C0/C180	50°
Light distribution simmetry	Symmetrical 2 assis

Rubber 3D Optic



LED Strip | 36 topLED 22 W DC 24 V | 22 W/m | 2415 Lm/m | CRI 85

82219N30

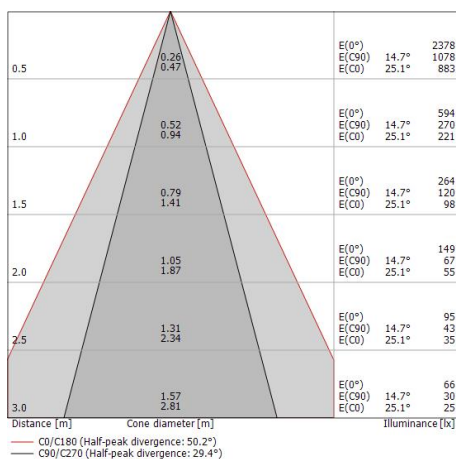
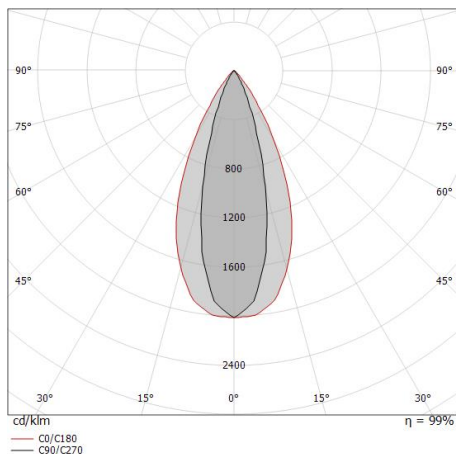
Single emission led strip for outdoor application. The natural white LED light source with a wide flood light distribution is composed of 36 topLED LEDs with CCT of 4000 K and a CRI 85; the source luminous flux is 2415 lm, with a 109.8 lm/W nominal luminous efficacy.

The device body is made of technopolymer and features a black finish; the diffuser is made of pu. The ingress protection degree is IP67; the total weight is of 0.29 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 22 W. The power supply cable is included and features a 1(M)x0.25 m + 1(F)x0.25 m length.

The device features protection class III and can be wall lights, ceiling or floor-mounted with an outer casing, code 82199(for concrete or masonry).

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



Energieeffizienzklasse

Dieses Produkt enthält 2 Lichtquellen der Energieeffizienzklasse F.

Illuminotechnical Eigenschaften

Light Output Ratio (LOR)	12 %
Lichtstrom (Lichtquelle)	2415 lm
Leuchten Lichtstrom	295 lm
Consumption	3.5 W
Leuchten Lichtausbeute	84 lm/W
Farbtemperatur	4000 K
Standard Deviation of Colour Matching	3 Step MacAdam
Farbwiedergabeindex	85 Ra
Verbindungstemperatur (Leuchte)	80
Standardumgebungstemperatur	-20 / +50°C

LED Life / Failure Ratio

L70 B20 C0 72500h

UGR

UGR axial	10.1
UGR transversal	16.9
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

Optik C90/C270	29°
Optik C0/C180	50°
Light distribution simmetry	Symmetrical 2 assis

Rubber 3D Optic



LED Strip | 36 topLED 22 W DC 24 V | 22 W/m | 2415 Lm/m | CRI 85

82219N30

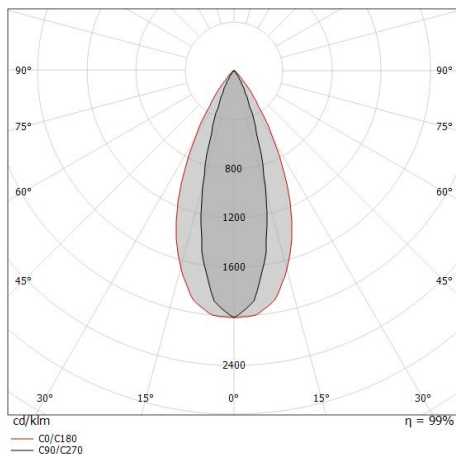
Single emission led strip for outdoor application. The natural white LED light source with a wide flood light distribution is composed of 36 topLED LEDs with CCT of 4000 K and a CRI 85; the source luminous flux is 2415 lm, with a 109.8 lm/W nominal luminous efficacy.

The device body is made of technopolymer and features a black finish; the diffuser is made of pu. The ingress protection degree is IP67; the total weight is of 0.29 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 22 W. The power supply cable is included and features a 1(M)x0.25 m + 1(F)x0.25 m length.

The device features protection class III and can be wall lights, ceiling or floor-mounted with an outer casing, code 82199(for concrete or masonry).

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



Distance [m]	Cone diameter [m]	illuminance [lx]
0.5	0.26 0.47	E(0°) 7138 E(C90) 14.7° 3236 E(C0) 25.1° 2651
1.0	0.52 0.94	E(0°) 1784 E(C90) 14.7° 809 E(C0) 25.1° 663
1.5	0.79 1.41	E(0°) 793 E(C90) 14.7° 360 E(C0) 25.1° 295
2.0	1.05 1.87	E(0°) 446 E(C90) 14.7° 202 E(C0) 25.1° 166
2.5	1.31 2.34	E(0°) 286 E(C90) 14.7° 129 E(C0) 25.1° 106
3.0	1.57 2.81	E(0°) 198 E(C90) 14.7° 90 E(C0) 25.1° 74

Energieeffizienzklasse

Dieses Produkt enthält 2 Lichtquellen der Energieeffizienzklasse F.

Illuminotechnical Eigenschaften

Light Output Ratio (LOR)	36 %
Lichtstrom (Lichtquelle)	2415 lm
Leuchten Lichtstrom	886 lm
Consumption	11 W
Leuchten Lichtausbeute	80 lm/W
Farbtemperatur	4000 K
Standard Deviation of Colour Matching	3 Step MacAdam
Farbwiedergabeindex	85 Ra
Verbindungstemperatur (Leuchte)	80
Standardumgebungstemperatur	-20 / +50°C

LED Life / Failure Ratio

L70 B20 C0 72500h

UGR

UGR axial	10.1
UGR transversal	16.9
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

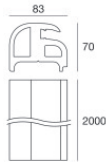
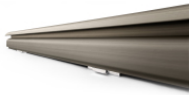
Optik C90/C270	29°
Optik C0/C180	50°
Light distribution simmetry	Symmetrical 2 assis

Rubber 3D Optic



LED Strip | 36 topLED 22 W DC 24 V | 22 W/m | 2415 Lm/m | CRI 85
82219N30

Components



D-Wave

Code

77407

Rubber 3D Optic



Rubber 3D Optic | LED Strip | Accessories
82219N30

		<p>Einbaugehäuse - Linearprofil aus Aluminium 19x18x1000mm für Rubber 3D, Rubber 3D Concrete, Rubber 3D 48V, Rubber 3D Optic, Rubber 3d Pixel installationsposition: wand, decke L=1000mm, H=18mm, D=19mm. Material:Aluminium, farbe:Aluminium, bearbeitungstyp :Eloxierung.</p>	<table border="1"> <thead> <tr> <th>Finish</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>████████</td> <td>99549</td> </tr> </tbody> </table>	Finish	Code	████████	99549
Finish	Code						
████████	99549						
		<p>Einbaugehäuse - Linearprofil aus Aluminium 19x18x2000mm für Rubber 3D, Rubber 3D Concrete, Rubber 3D 48V, Rubber 3D Optic, Rubber 3D Pixel installationsposition: wand, decke L=2000mm, H=18mm, D=19mm. Material:Aluminium, farbe:Aluminium, bearbeitungstyp :Eloxierung.</p>	<table border="1"> <thead> <tr> <th>Finish</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>████████</td> <td>82198</td> </tr> </tbody> </table>	Finish	Code	████████	82198
Finish	Code						
████████	82198						
		<p>Profil - Schwarzes Aluminium 18x19 Profil 1m für Rubber 3D, Rubber 3D Concrete, Rubber 3D 48V, Rubber 3D Optic, Rubber 3D Pixel Material:Aluminium, farbe:Schwarz, bearbeitungstyp :Eloxierung.</p>	<table border="1"> <thead> <tr> <th>Code</th> </tr> </thead> <tbody> <tr> <td>C-K100007</td> </tr> </tbody> </table>	Code	C-K100007		
Code							
C-K100007							
		<p>Profil - Schwarzes Aluminium 18x19 Profil 2m für Rubber 3D, Rubber 3D Concrete, Rubber 3D 48V, Rubber 3D Optic, Rubber 3D Pixel Material:Aluminium, farbe:Schwarz, bearbeitungstyp :Eloxierung.</p>	<table border="1"> <thead> <tr> <th>Code</th> </tr> </thead> <tbody> <tr> <td>C-K100008</td> </tr> </tbody> </table>	Code	C-K100008		
Code							
C-K100008							
		<p>Klammer - Clip mit Zahnfeder - Anodised Aluminium - für Rubber 3D (nicht für Rubber 3D PROtection) installationsposition: wand, decke L=50mm, H=23mm, D=21mm. Material:Aluminium, farbe:Aluminium, bearbeitungstyp :Eloxierung.</p>	<table border="1"> <thead> <tr> <th>Finish</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>████████</td> <td>C-F400001</td> </tr> </tbody> </table>	Finish	Code	████████	C-F400001
Finish	Code						
████████	C-F400001						
		<p>Klammer - Clip mit Zahnfeder - Anodised Black Aluminium - für Rubber 3D (nicht für Rubber 3D PROtection) installationsposition: wand, decke L=50mm, H=23mm, D=21mm. Material:Aluminium, farbe:Schwarz, bearbeitungstyp :Eloxierung.</p>	<table border="1"> <thead> <tr> <th>Finish</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>████████</td> <td>C-F400002</td> </tr> </tbody> </table>	Finish	Code	████████	C-F400002
Finish	Code						
████████	C-F400002						
		<p>Einbaugehäuse - Linearprofil mit Aluminium-Kabelkanal 39x18x1000mm für Rubber 3D, Rubber 3D Concrete, Rubber 3D 48V, Rubber 3D Optic, Rubber 3D Pixel installationsposition: wand, decke L=2000mm, H=39mm, D=19mm. Material:Aluminium, farbe:Aluminium, bearbeitungstyp :Eloxierung.</p>	<table border="1"> <thead> <tr> <th>Finish</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>████████</td> <td>83034</td> </tr> </tbody> </table>	Finish	Code	████████	83034
Finish	Code						
████████	83034						
		<p>Einbaugehäuse - Linearprofil mit Aluminium-Kabelkanal 39x18x2000mm für Rubber 3D, Rubber 3D Concrete, Rubber 3D 48V, Rubber 3D Optic, Rubber 3D Pixel installationsposition: wand, decke L=1000mm, H=39mm, D=19mm. Material:Aluminium, farbe:Aluminium, bearbeitungstyp :Eloxierung.</p>	<table border="1"> <thead> <tr> <th>Finish</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>████████</td> <td>82199</td> </tr> </tbody> </table>	Finish	Code	████████	82199
Finish	Code						
████████	82199						

Rubber 3D Optic



Rubber 3D Optic | LED Strip | Accessories
82219N30

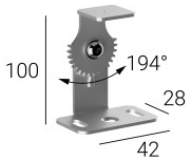
		<p>Profil - Profil 39x19 Aluminium schwarz 1m für Rubber 3D, Rubber 3D Concrete, Rubber 3D 48V, Rubber 3D Optic, Rubber 3D Pixel Material:Aluminium, farbe:Schwarz, bearbeitungstyp :Eloxierung.</p>	<p>Code C-K100009</p>
		<p>Profil - Profil 39x19 Aluminium schwarz 2m für Rubber 3D, Rubber 3D Concrete, Rubber 3D 48V, Rubber 3D Optic, Rubber 3D Pixel Material:Aluminium, farbe:Schwarz, bearbeitungstyp :Eloxierung.</p>	<p>Code C-K100010</p>
		<p>Klammer - Clip mit Zahnfeder mit Kabeldurchlass - Anodised Aluminium - für Rubber 3D (nicht für Rubber 3D PROtection) installationsposition: wand, decke L=50mm, H=41mm, D=21mm. Material:Aluminium, farbe:Aluminium, bearbeitungstyp :Eloxierung.</p>	<p>Finish [Redacted] Code C-F400003</p>
		<p>Klammer - Clip mit Zahnfeder mit Kabeldurchlass - Anodised Black Aluminium - für Rubber 3D (nicht für Rubber 3D PROtection) installationsposition: wand, decke L=50mm, H=41mm, D=21mm. Material:Aluminium, farbe:Schwarz, bearbeitungstyp :Eloxierung.</p>	<p>Finish [Redacted] Code C-F400004</p>
		<p>Profil - Flexibles Profil Material:Stahl AISI 304, farbe:Stahl.</p>	<p>Code C-K100011</p>
		<p>Blendschutz - Blendfreies Augenlid mit Fischgrätenmuster Blendschutzart: palpebra. Material:Aluminium 6060, farbe:Eloxiertes Aluminium, bearbeitungstyp :Anodisierung 20 µm.</p>	<p>Finish [Redacted] Code C-K100032</p>
		<p>Tüte / Befestigungsset - KIPPVORRICHTUNG + HALTERUNG D68X20 - Transparent - für Rubber 3D (nicht Rubber 3D PROtection)</p>	<p>Code 83352</p>
		<p>Tüte / Befestigungsset - Wandkipp-Set aus AISI 304-Stahl</p>	<p>Code C-K400168</p>

Rubber 3D Optic



Rubber 3D Optic | LED Strip | Accessories

82219N30



Tüte / Befestigungsset - Wandkipp-Set aus AISI 304-Stahl

Code

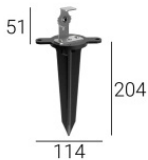
C-K400169



Tüte / Befestigungsset - ZAPFEN + HALTERUNG ZAPFEN + HALTERUNG ZAPFEN + HALTERUNG D114X204 für Rubber 3D, Rubber 3D Concrete, Rubber 3D 48V, Rubber 3D Optic, Rubber 3D Pixel

Code

83351



Tüte / Befestigungsset - Bodenpfahl mit kippbarer Halterung

Code

C-F500004



Tüte / Befestigungsset - Bodenpfahl mit kippbarer Halterung

Code

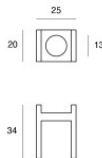
C-F500005



Endkappe
Material:, farbe:transparent.

Code

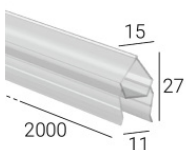
99539



Lochschablone

Code

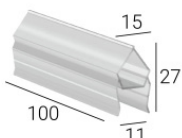
C-V200005



Profil
Material:Polycarbonat UV-beständige, farbe:transparent.

Code

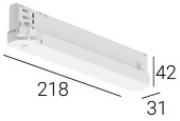
C-K100021



Profil
Material:Polycarbonat UV-beständige, farbe:transparent.

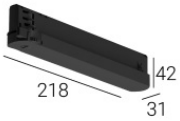
Code

C-K100022



Elektronisches Zubehör
installationsposition: decke L=218mm, H=42mm, D=31mm.
Material:Kunststoff ABS, farbe:Weiß.

Code
C-E300007



Elektronisches Zubehör
installationsposition: decke L=218mm, H=42mm, D=31mm.
Material:Kunststoff ABS, farbe:Schwarz.

Code
C-E300008



Kabelklemme

Code
98990



Stecker

Code
89548



Strip Service - Doppelseitiges Klebeband 33 Meter

Code
99520