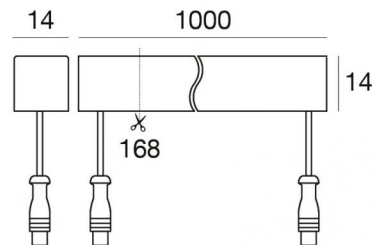
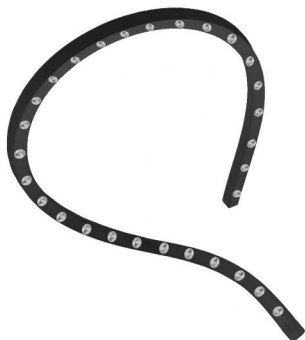


# Rubber 3D Optic



Bande LED | 36 topLED 22 W DC 24 V | 22 W/m  
2185 Lm/m | CRI 85

82219M20



## Données techniques

Longueur	1000 mm
Coupe minimale	168 mm
Typologie	Bande LED
Position d'installation	Mur - Plafond - Sol
Environnement d'installation	Extérieur
Source lumineuse	LED
Circuit structure	topLED
Optique	Flood
Light emission direction	downward
Puissance nominale	22 W DC
Flux lumineux (source)	2185 lm
Température de couleur / Tone	2700 K
Indice de rendu chromatique	85 Ra
C.C. / V.C.	CV
Classe d'isolation	3
IP	IP67
IK	IK07
Essai au fil incandescent	960°
Montage direct sur des surfaces normalement inflammables	Oui
CE	Oui
ETL	Oui
Driver inclus	Non
Article à intensité variable	DALI - 1-10V
Orientable	Non
Basculement	Non
Piétinable	Non
Carrossable	Non
Câble inclus	Oui
Longueur du câble	1(M)x0.25 m + 1(F)x0.25 m
Revêtement en résine	Oui
Type d'émission lumineuse	Émission simple
Longueur	1000 mm
Poids net	0.29 Kg
Protection contre les décharges électrostatiques	Non
Protection contre les surtensions	Non

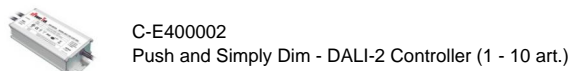
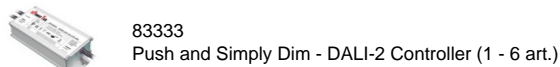
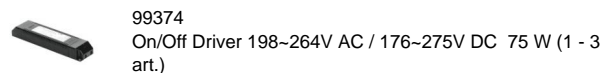
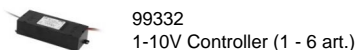
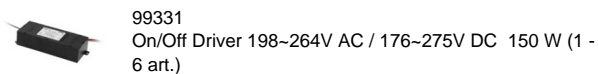
## Finition corps

Matériau	Technopolymère
Couleur	noir

## Finition diffuseur

Matériau	PU
Couleur	noir

## Électronique



# Rubber 3D Optic



Bande LED | 36 topLED 22 W DC 24 V | 22 W/m | 2185 Lm/m | CRI 85  
**82219M20**

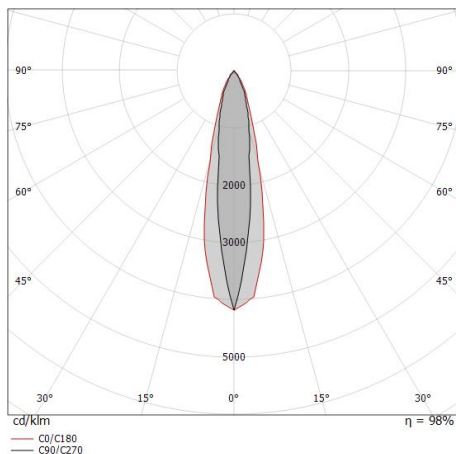
Single emission led strip for outdoor application. The super warm white LED light source with a flood light distribution is composed of 36 topLED LEDs with CCT of 2700 K and a CRI 85; the source luminous flux is 2185 lm, with a 99.3 lm/W nominal luminous efficacy.

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	0.16 0.24	E(0°) 25326 E(C90) 7.8° 12442 E(C0) 13.3° 11712
1.0	0.27 0.47	E(0°) 6331 E(C90) 7.8° 3111 E(C0) 13.3° 2928
1.5	0.41 0.71	E(0°) 2814 E(C90) 7.8° 1362 E(C0) 13.3° 1301
2.0	0.55 0.95	E(0°) 1583 E(C90) 7.8° 778 E(C0) 13.3° 732
2.5	0.68 1.18	E(0°) 1013 E(C90) 7.8° 498 E(C0) 13.3° 468
3.0	0.82 1.42	E(0°) 703 E(C90) 7.8° 346 E(C0) 13.3° 325

Distance [m]      Cone diameter [m]      illuminance [lx]

— C0/C180 (Half-peak divergence: 26.6°)  
 — C90/C270 (Half-peak divergence: 15.6°)

## Classe d'efficacité énergétique

Ce produit contient 2 sources lumineuses de classe d'efficacité énergétique F.

## Caractéristiques Techniques de l'éclairage

Light Output Ratio (LOR)	69 %
Flux lumineux (source)	2185 lm
Flux lumineux du luminaire	1514 lm
Consumption	22 W
Efficacité lumineuse du luminaire	68 lm/W
Température de couleur	2700 K
Standards de Concordance de Couleur	3 Step MacAdam
Indice de rendu chromatique	85 Ra
Température de jonction (appareil)	80
Température standard de l'environnement de	-20 / +50°C

## LED Life / Failure Ratio

L70 B20 C0 72500h (at Tj 115 Ta 25 )

## UGR

UGR axial	10
UGR transversal	12.6
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20

## OPTICAL

Optique C90/C270	16°
Optique C0/C180	27°
Light distribution simmetry	Symmetrical 2 assis

# Rubber 3D Optic



Bande LED | 36 topLED 22 W DC 24 V | 22 W/m | 2185 Lm/m | CRI 85

**82219M20**

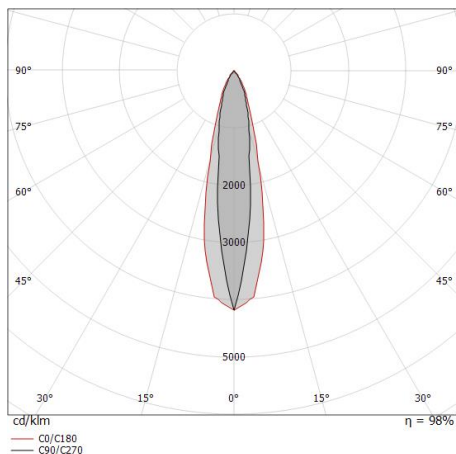
Single emission led strip for outdoor application. The super warm white LED light source with a flood light distribution is composed of 36 topLED LEDs with CCT of 2700 K and a CRI 85; the source luminous flux is 2185 lm, with a 99.3 lm/W nominal luminous efficacy.

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	0.16 0.24	E(0°) 4207 E(C90) 2067 E(C0) 1946
1.0	0.27 0.47	E(0°) 1052 E(C90) 517 E(C0) 486
1.5	0.41 0.71	E(0°) 467 E(C90) 230 E(C0) 216
2.0	0.55 0.95	E(0°) 263 E(C90) 129 E(C0) 122
2.5	0.68 1.18	E(0°) 168 E(C90) 83 E(C0) 78
3.0	0.82 1.42	E(0°) 117 E(C90) 57 E(C0) 54

— C0/C180 (Half-peak divergence: 26.6°)  
- - C90/C270 (Half-peak divergence: 15.6°)

## Classe d'efficacité énergétique

Ce produit contient 2 sources lumineuses de classe d'efficacité énergétique F.

## Caractéristiques Techniques de l'éclairage

Light Output Ratio (LOR)	11 %
Flux lumineux (source)	2185 lm
Flux lumineux du luminaire	252 lm
Consumption	3.5 W
Efficacité lumineuse du luminaire	72 lm/W
Température de couleur	2700 K
Standards de Concordance de Couleur	3 Step MacAdam
Indice de rendu chromatique	85 Ra
Température de jonction (appareil)	80
Température standard de l'environnement de	-20 / +50°C

## LED Life / Failure Ratio

L70 B20 C0 72500h (at Tj 115 Ta 25 )

## UGR

UGR axial	10
UGR transversal	12.6
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20

## OPTICAL

Optique C90/C270	16°
Optique C0/C180	27°
Light distribution simmetry	Symmetrical 2 assis

# Rubber 3D Optic



Bande LED | 36 topLED 22 W DC 24 V | 22 W/m | 2185 Lm/m | CRI 85

**82219M20**

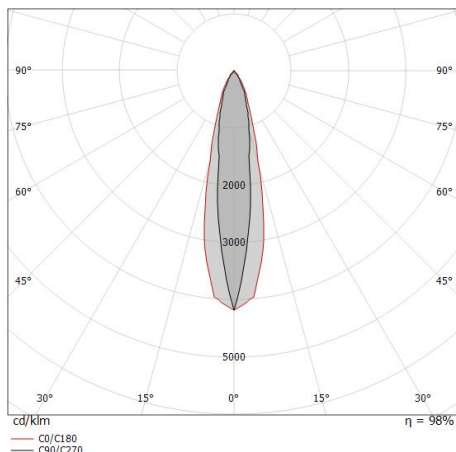
Single emission led strip for outdoor application. The super warm white LED light source with a flood light distribution is composed of 36 topLED LEDs with CCT of 2700 K and a CRI 85; the source luminous flux is 2185 lm, with a 99.3 lm/W nominal luminous efficacy.

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	0.16 0.24	E(0°) 12613 E(C90) 6196 E(C0) 5833
1.0	0.27 0.47	E(0°) 3153 E(C90) 1549 E(C0) 1458
1.5	0.41 0.71	E(0°) 1401 E(C90) 688 E(C0) 648
2.0	0.55 0.95	E(0°) 788 E(C90) 387 E(C0) 365
2.5	0.68 1.18	E(0°) 505 E(C90) 248 E(C0) 233
3.0	0.82 1.42	E(0°) 350 E(C90) 172 E(C0) 162

Distance [m]      Cone diameter [m]      illuminance [lx]

— C0/C180 (Half-peak divergence: 26.6°)  
— C90/C270 (Half-peak divergence: 15.6°)

## Classe d'efficacité énergétique

Ce produit contient 2 sources lumineuses de classe d'efficacité énergétique F.

## Caractéristiques Techniques de l'éclairage

Light Output Ratio (LOR)	34 %
Flux lumineux (source)	2185 lm
Flux lumineux du luminaire	754 lm
Consumption	11 W
Efficacité lumineuse du luminaire	68 lm/W
Température de couleur	2700 K
Standards de Concordance de Couleur	3 Step MacAdam
Indice de rendu chromatique	85 Ra
Température de jonction (appareil)	80
Température standard de l'environnement de	-20 / +50°C

## LED Life / Failure Ratio

L70 B20 C0 72500h (at Tj 115 Ta 25 )

## UGR

UGR axial	10
UGR transversal	12.6
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20

## OPTICAL

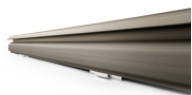
Optique C90/C270	16°
Optique C0/C180	27°
Light distribution simmetry	Symmetrical 2 assis

# Rubber 3D Optic



Bande LED | 36 topLED 22 W DC 24 V | 22 W/m | 2185 Lm/m | CRI 85  
**82219M20**

## Components



D-Wave

**Code**

77407

# Rubber 3D Optic



Rubber 3D Optic | LED Strip | Accessories  
82219M20

		<p>Boîtier d'encastrement - Profil linéaire en aluminium 19x18x1000mm pour Rubber 3D, Rubber 3D Concrete, Rubber 3D 48V, Rubber 3D Optic, Rubber 3d Pixel position d'installation: mur, plafond L=1000mm, H=18mm, D=19mm. Matériau:Aluminium, couleur:Aluminium, fabrication :Anodisation.</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>Boîtier d'encastrement - Profil linéaire en aluminium 19x18x2000mm pour Rubber 3D, Rubber 3D Concrete, Rubber 3D 48V, Rubber 3D Optic, Rubber 3D Pixel position d'installation: mur, plafond L=2000mm, H=18mm, D=19mm. Matériau:Aluminium, couleur:Aluminium, fabrication :Anodisation.</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 - Profil en aluminium noir 18x19 1m pour Rubber 3D, Rubber 3D Concrete, Rubber 3D 48V, Rubber 3D Optic, Rubber 3D Pixel Matériau:Aluminium, couleur:noir, fabrication :Anodisation.</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 - Profilé aluminium noir 18x19 1m pour Rubber 3D, Rubber 3D Concrete, Rubber 3D 48V, Rubber 3D Optic, Rubber 3D Pixel Matériau:Aluminium, couleur:noir, fabrication :Anodisation.</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>Étrier - Clip avec ressort denté - Anodised Aluminium - pour Rubber 3D (non pour Rubber 3D PROtection) position d'installation: mur, plafond L=50mm, H=23mm, D=21mm. Matériau:Aluminium, couleur:Aluminium, fabrication :Anodisation.</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>Étrier - Clip avec ressort denté - Anodised Black Aluminium - pour Rubber 3D (non pour Rubber 3D PROtection) position d'installation: mur, plafond L=50mm, H=23mm, D=21mm. Matériau:Aluminium, couleur:noir, fabrication :Anodisation.</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>Boîtier d'encastrement - Profilé linéaire avec conduit de câbles en aluminium 39x18x1000mm pour Rubber 3D, Rubber 3D Concrete, Rubber 3D 48V, Rubber 3D Optic, Rubber 3D Pixel position d'installation: mur, plafond L=2000mm, H=39mm, D=19mm. Matériau:Aluminium, couleur:Aluminium, fabrication :Anodisation.</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>Boîtier d'encastrement - Profilé linéaire avec passage de câble en aluminium 39x18x2000mm pour Rubber 3D, Rubber 3D Concrete, Rubber 3D 48V, Rubber 3D Optic, Rubber 3D Pixel position d'installation: mur, plafond L=1000mm, H=39mm, D=19mm. Matériau:Aluminium, couleur:Aluminium, fabrication :Anodisation.</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



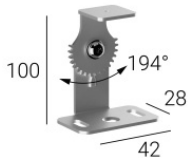
Rubber 3D Optic | LED Strip | Accessories  
82219M20

		<p>Profil - Profil 39x19 Aluminium noir 1m pour Rubber 3D, Rubber 3D Concrete, Rubber 3D 48V, Rubber 3D Optic, Rubber 3D Pixel Matériau:Aluminium, couleur:noir, fabrication :Anodisation.</p>	<p><b>Code</b> C-K100009</p>
		<p>Profil - Profil 39x19 Aluminium noir 2m pour Rubber 3D, Rubber 3D Concrete, Rubber 3D 48V, Rubber 3D Optic, Rubber 3D Pixel Matériau:Aluminium, couleur:noir, fabrication :Anodisation.</p>	<p><b>Code</b> C-K100010</p>
		<p>Étrier - Clip à ressort denté avec passage de câble - Anodised Black Aluminium - Rubber 3D (non pour Rubber 3D PROtection) position d'installation: mur, plafond L=50mm, H=41mm, D=21mm. Matériau:Aluminium, couleur:Aluminium, fabrication :Anodisation.</p>	<p><b>Finish</b> </p> <p><b>Code</b> C-F400003</p>
		<p>Étrier - Clip à ressort denté avec passage de câble - Anodised Black Aluminium - Rubber 3D (non pour Rubber 3D PROtection) position d'installation: mur, plafond L=50mm, H=41mm, D=21mm. Matériau:Aluminium, couleur:noir, fabrication :Anodisation.</p>	<p><b>Finish</b> </p> <p><b>Code</b> C-F400004</p>
		<p>Profil - Profil flexible Matériau:Acier AISI 304, couleur:acier.</p>	<p><b>Code</b> C-K100011</p>
		<p>anti-éblouissement - Paupière anti-éblouissante à chevrons Type anti-éblouissement: palpebra. Matériau:Aluminium 6060, couleur:Aluminium Anodisé, fabrication :Anodisation 20 µm.</p>	<p><b>Finish</b> </p> <p><b>Code</b> C-K100032</p>
		<p>Sac / Kit de fixation - KIT DE BASCULEMENT + SUPPORT D68X20 - Transparent - pour Rubber 3D (non Rubber 3D PROtection)</p>	<p><b>Code</b> 83352</p>
		<p>Sac / Kit de fixation - Kit inclinable mural en acier AISI 304</p>	<p><b>Code</b> C-K400168</p>

# Rubber 3D Optic



Rubber 3D Optic | LED Strip | Accessories  
**82219M20**



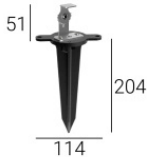
Sac / Kit de fixation - Kit inclinable mural en acier AISI 304

**Code**  
C-K400169



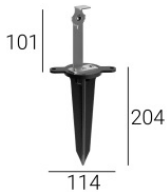
Sac / Kit de fixation - PIQUET + SUPPORT PIQUET + SUPPORT PIQUET + SUPPORT D114X204 pour Rubber 3D, Rubber 3D Concrete, Rubber 3D 48V, Rubber 3D Optic, Rubber 3D Pixel

**Code**  
83351



Sac / Kit de fixation - Piquet avec support inclinable

**Code**  
C-F500004



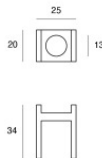
Sac / Kit de fixation - Piquet avec support inclinable

**Code**  
C-F500005



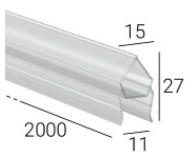
Bouchon  
Matériau:, couleur:transparent.

**Code**  
99539



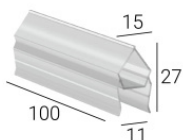
Gabarit

**Code**  
C-V200005



Profil  
Matériau:Polycarbonate résistant aux UV, couleur:transparent.

**Code**  
C-K100021



Profil  
Matériau:Polycarbonate résistant aux UV, couleur:transparent.

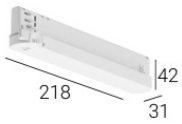
**Code**  
C-K100022



# Rubber 3D Optic

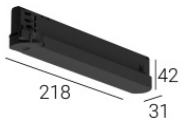


Rubber 3D Optic | LED Strip | Accessories  
**82219M20**



Accessoire électronique  
position d'installation: plafond L=218mm, H=42mm, D=31mm.  
Matériau:Plastique ABS, couleur:blanc.

**Code**  
C-E300007



Accessoire électronique  
position d'installation: plafond L=218mm, H=42mm, D=31mm.  
Matériau:Plastique ABS, couleur:noir.

**Code**  
C-E300008



Serre-câble

**Code**  
98990



Connecteur

**Code**  
89548



Strip service - Ruban adhésif double face 33 mètres

**Code**  
99520