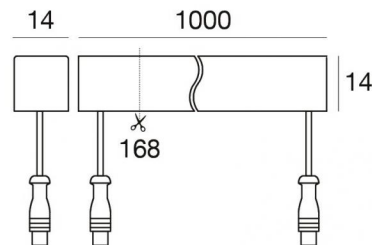
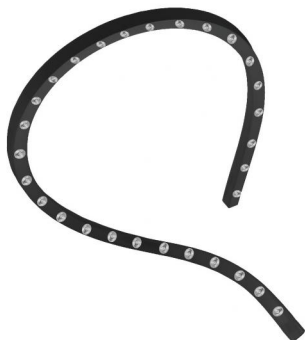


Rubber 3D Optic



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

82219N20



| Technical data | |
|--|----------------------------------|
| Length | 1000 mm |
| Minimum cut | 168 mm |
| Type | LED Strip |
| Installation position | Wall lights - Ceiling - Floor |
| Installation environment | Outdoor |
| Light Source | LED |
| Circuit structure | topLED |
| Optics | Flood |
| Light emission direction | downward |
| Nominal power | 22 W DC |
| Power / m | 22 W / m |
| Source lumens | 2415 lm |
| Source lumens / m | 2415 lm / m |
| Input voltage range | 24V |
| CCT / Tone | 4000 K |
| Colour rendering index | 85 Ra |
| C.C. / C.V. | CV |
| Safety class | 3 |
| IP | IP67 |
| IK | IK07 |
| Glow wire test | 960° |
| Direct mounting on normally flammable surfaces | Yes |
| CE | Yes |
| ETL | Yes |
| Driver included | No |
| Dimmable article | DALI - 1-10V |
| Directional | No |
| Tilting | No |
| Walk-over | No |
| Drive-over | No |
| Cable included | Yes |
| Cable length | 1(M)x0.25 m + 1(F)x0.25 m |
| Resin potting | Yes |
| Type of light emission | Single emission |
| Length | 1000 mm |
| Net weight | 0.29 Kg |
| Electrostatic discharge protection | No |
| Surge protection | No |

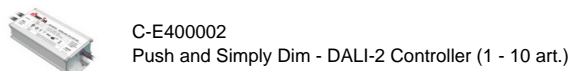
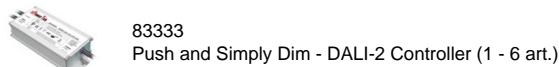
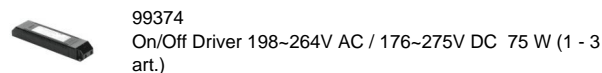
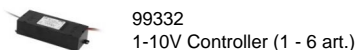
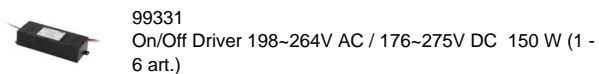
Finishing casing

| | |
|----------|---------------|
| Material | Technopolymer |
| Colour | black |

Finishing diffuser

| | |
|----------|-------|
| Material | PU |
| Colour | black |

Electronics



Rubber 3D Optic



LED Strip | 36 topLED 22 W DC 24 V | 22 W/m | 2415 Lm/m | CRI 85 | Base
82219N20

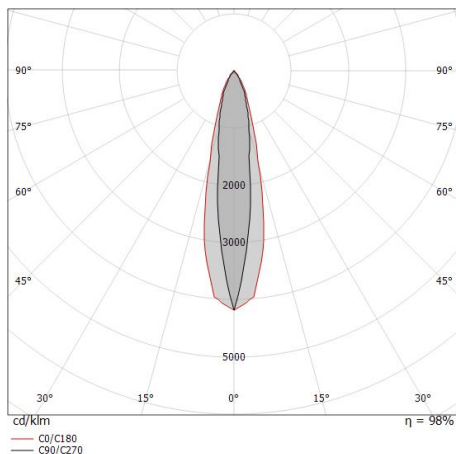
Single emission led strip for outdoor application. The natural white LED light source with a flood light distribution is composed of 36 topLEDs with CCT of 4000 K and a CRI 85; the source luminous flux is 2415 lm, with a 109.8 lm/W nominal luminous efficacy.

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 | 0.16 0.24 | E(0°) 28002 E(C90) 7.8° 13757 E(C0) 13.3° 12950 |
| 1.0 | 0.27 0.47 | E(0°) 7001 E(C90) 7.8° 3439 E(C0) 13.3° 3237 |
| 1.5 | 0.41 0.71 | E(0°) 3111 E(C90) 7.8° 1529 E(C0) 13.3° 1439 |
| 2.0 | 0.55 0.95 | E(0°) 1750 E(C90) 7.8° 860 E(C0) 13.3° 809 |
| 2.5 | 0.68 1.18 | E(0°) 1120 E(C90) 7.8° 550 E(C0) 13.3° 518 |
| 3.0 | 0.82 1.42 | E(0°) 778 E(C90) 7.8° 382 E(C0) 13.3° 360 |

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

Energy efficiency class

This product contains 2 light sources of energy efficiency class F.

Illuminotechnical Features

| | |
|---|----------------|
| Light Output Ratio (LOR) | 69 % |
| Source lumens | 2415 lm |
| Delivered lumens | 1674 lm |
| Consumption | 22 W |
| Luminaire efficacy | 76 lm/W |
| Colour temperature | 4000 K |
| Standard Deviation of Colour Matching | 3 Step MacAdam |
| Colour rendering index | 85 Ra |
| Junction temperature (lighting fixture) | 80 |

Standard Operating Ambient Temperature -20 / +50°C

LED Life / Failure Ratio

L70 B20 C0 72500h

UGR

| | |
|-------------------|----------|
| UGR axial | 10.3 |
| UGR transversal | 13 |
| X=4H Y=8H | S=0.25H |
| Reflection factor | 70/50/20 |

OPTICAL

| | |
|-----------------------------|--------------------|
| C90/C270 optics | 16° |
| C0/C180 optics | 27° |
| Light distribution symmetry | Symmetrical 2 axis |

Rubber 3D Optic



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

82219N20

Single emission led strip for outdoor application. The natural white LED light source with a flood light distribution is composed of 36 topLEDs 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.

Energy efficiency class

This product contains 2 light sources of energy efficiency class F.

Illuminotechnical Features

| | |
|---|----------------|
| Light Output Ratio (LOR) | 11 % |
| Source lumens | 2415 lm |
| Delivered lumens | 278 lm |
| Consumption | 3.5 W |
| Luminaire efficacy | 79 lm/W |
| Colour temperature | 4000 K |
| Standard Deviation of Colour Matching | 3 Step MacAdam |
| Colour rendering index | 85 Ra |
| Junction temperature (lighting fixture) | 80 |

Standard Operating Ambient Temperature -20 / +50°C

LED Life / Failure Ratio

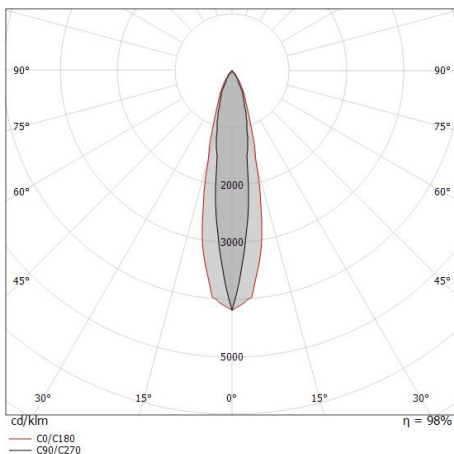
L70 B20 C0 72500h

UGR

| | |
|-------------------|----------|
| UGR axial | 10.3 |
| UGR transversal | 13 |
| X=4H Y=8H | S=0.25H |
| Reflection factor | 70/50/20 |

OPTICAL

| | |
|-----------------------------|--------------------|
| C90/C270 optics | 16° |
| C0/C180 optics | 27° |
| Light distribution symmetry | Symmetrical 2 axis |



| Distance [m] | Cone diameter [m] | illuminance [lx] |
|--------------|-------------------|--|
| 0.5 | 0.16 0.24 | E(0°) 4650 E(C90) 7.8° 2285 E(C0) 13.3° 2151 |
| 1.0 | 0.27 0.47 | E(0°) 1163 E(C90) 7.8° 571 E(C0) 13.3° 538 |
| 1.5 | 0.41 0.71 | E(0°) 517 E(C90) 7.8° 254 E(C0) 13.3° 239 |
| 2.0 | 0.55 0.95 | E(0°) 291 E(C90) 7.8° 143 E(C0) 13.3° 134 |
| 2.5 | 0.68 1.18 | E(0°) 186 E(C90) 7.8° 91 E(C0) 13.3° 86 |
| 3.0 | 0.82 1.42 | E(0°) 129 E(C90) 7.8° 63 E(C0) 13.3° 60 |

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

Rubber 3D Optic



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

82219N20

Single emission led strip for outdoor application. The natural white LED light source with a flood light distribution is composed of 36 topLEDs 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.

Energy efficiency class

This product contains 2 light sources of energy efficiency class F.

Illuminotechnical Features

| | |
|---|----------------|
| Light Output Ratio (LOR) | 34 % |
| Source lumens | 2415 lm |
| Delivered lumens | 834 lm |
| Consumption | 11 W |
| Luminaire efficacy | 75 lm/W |
| Colour temperature | 4000 K |
| Standard Deviation of Colour Matching | 3 Step MacAdam |
| Colour rendering index | 85 Ra |
| Junction temperature (lighting fixture) | 80 |

Standard Operating Ambient Temperature -20 / +50°C

LED Life / Failure Ratio

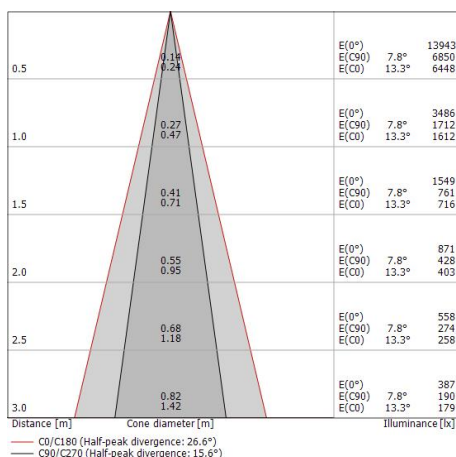
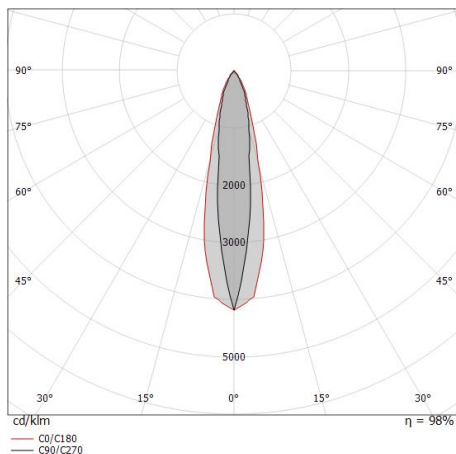
L70 B20 C0 72500h

UGR

| | |
|-------------------|----------|
| UGR axial | 10.3 |
| UGR transversal | 13 |
| X=4H Y=8H | S=0.25H |
| Reflection factor | 70/50/20 |

OPTICAL

| | |
|-----------------------------|--------------------|
| C90/C270 optics | 16° |
| C0/C180 optics | 27° |
| Light distribution symmetry | Symmetrical 2 axis |

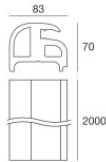
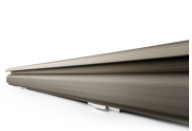


Rubber 3D Optic



LED Strip | 36 topLED 22 W DC 24 V | 22 W/m | 2415 Lm/m | CRI 85
82219N20

Components



D-Wave

Code

77407

Rubber 3D Optic

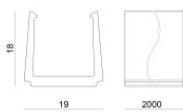
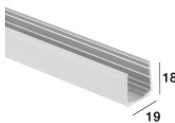


Rubber 3D Optic | LED Strip | Accessories
82219N20



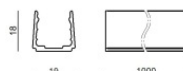
Outer casing - Linear profile in aluminum 19x18x1000mm for Rubber 3D, Rubber 3D Concrete, Rubber 3D 48V, Rubber 3D Optic, Rubber 3d Pixel
installation position: wall lights, ceiling L=1000mm, H=18mm, D=19mm.
Material:Aluminium, colour:Aluminium, processing:Anodisation.

Finish Code
█ 99549



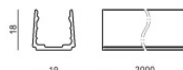
Outer casing - Linear profile in aluminum 19x18x2000mm for Rubber 3D, Rubber 3D Concrete, Rubber 3D 48V, Rubber 3D Optic, Rubber 3D Pixel
installation position: wall lights, ceiling L=2000mm, H=18mm, D=19mm.
Material:Aluminium, colour:Aluminium, processing:Anodisation.

Finish Code
█ 82198



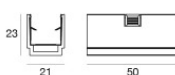
Profile - Black aluminium 18x19 profile 1m for Rubber 3D, Rubber 3D Concrete, Rubber 3D 48V, Rubber 3D Optic, Rubber 3D Pixel
Material:Aluminium, colour:black, processing:Anodisation.

Code
C-K100007



Profile - Black aluminium 18x19 profile 1m for Rubber 3D, Rubber 3D Concrete, Rubber 3D 48V, Rubber 3D Optic, Rubber 3D Pixel
Material:Aluminium, colour:black, processing:Anodisation.

Code
C-K100008



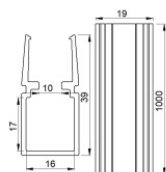
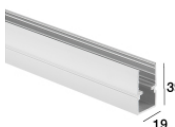
Bracket - Clip with toothed spring - Anodised Aluminium - for Rubber 3D (not for Rubber 3D PROtection)
installation position: wall lights, ceiling L=50mm, H=23mm, D=21mm.
Material:Aluminium, colour:Aluminium, processing:Anodisation.

Finish Code
█ C-F400001



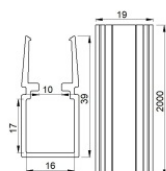
Bracket - Clip with toothed spring - Anodised Black Aluminium - for Rubber 3D (not for Rubber 3D PROtection)
installation position: wall lights, ceiling L=50mm, H=23mm, D=21mm.
Material:Aluminium, colour:black, processing:Anodisation.

Finish Code
█ C-F400002



Outer casing - Linear profile with aluminium cable passage 39x18x1000mm for Rubber 3D, Rubber 3D Concrete, Rubber 3D 48V, Rubber 3D Optic, Rubber 3D Pixel
installation position: wall lights, ceiling L=2000mm, H=39mm, D=19mm.
Material:Aluminium, colour:Aluminium, processing:Anodisation.

Finish Code
█ 83034



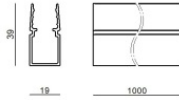
Outer casing - Linear profile with aluminum cable passage 39x18x2000mm for Rubber 3D, Rubber 3D Concrete, Rubber 3D 48V, Rubber 3D Optic, Rubber 3D Pixel
installation position: wall lights, ceiling L=1000mm, H=39mm, D=19mm.
Material:Aluminium, colour:Aluminium, processing:Anodisation.

Finish Code
█ 82199

Rubber 3D Optic

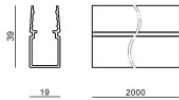


Rubber 3D Optic | LED Strip | Accessories
82219N20



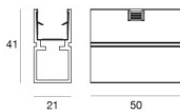
Profile - Profile 39x19 Aluminium black 1m for Rubber 3D, Rubber 3D Concrete, Rubber 3D 48V, Rubber 3D Optic, Rubber 3D Pixel
 Material:Aluminium, colour:black, processing:Anodisation.

Code
C-K100009



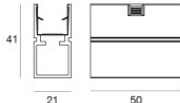
Profile - Profile 39x19 Aluminium black 2m for Rubber 3D, Rubber 3D Concrete, Rubber 3D 48V, Rubber 3D Optic, Rubber 3D Pixel
 Material:Aluminium, colour:black, processing:Anodisation.

Code
C-K100010



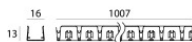
Bracket - Clip with toothed spring with cable passage - Anodised Aluminium - for Rubber 3D (not for Rubber 3D PROtection)
 installation position: wall lights, ceiling L=50mm, H=41mm, D=21mm.
 Material:Aluminium, colour:Aluminium, processing:Anodisation.

Finish
 [Redacted]
Code
C-F400003



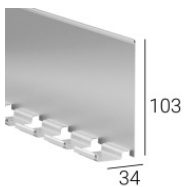
Bracket - Clip with toothed spring with cable passage - Anodised Black Aluminium - for Rubber 3D (not for Rubber 3D PROtection)
 installation position: wall lights, ceiling L=50mm, H=41mm, D=21mm.
 Material:Aluminium, colour:black, processing:Anodisation.

Finish
 [Redacted]
Code
C-F400004



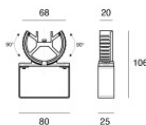
Profile - Flexible profile
 Material:AISI 304 steel, colour:steel.

Code
C-K100011



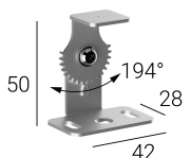
Anti-glare - Anti-glare herringbone eyelid
 Anti-glare Type: eyelid.
 Material:Aluminium 6060, colour:Anodised Aluminum, processing:20 µm anodizing.

Finish
 [Redacted]
Code
C-K100032



Bag / Fixing kit - TILTING KIT + BRACKET D68X20 - Transparent - for Rubber 3D (not Rubber 3D PROtection)

Code
83352



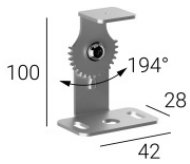
Bag / Fixing kit - Wall-mounted tilting kit in AISI 304 steel

Code
C-K400168

Rubber 3D Optic

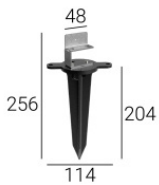


Rubber 3D Optic | LED Strip | Accessories
82219N20



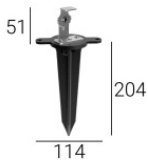
Bag / Fixing kit - Wall-mounted tilting kit in AISI 304 steel

Code
C-K400169



Bag / Fixing kit - RUBBER PEG + BRACKET RUBBER PEG + BRACKET PEG + BRACKET D114X204 for Rubber 3D, Rubber 3D Concrete, Rubber 3D 48V, Rubber 3D Optic, Rubber 3D Pixel

Code
83351



Bag / Fixing kit - Picket with tilting bracket

Code
C-F500004



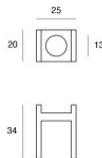
Bag / Fixing kit - Picket with tilting bracket

Code
C-F500005



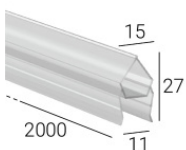
Closing cap - PU Rubber
 Material:Silicone, colour:transparent.

Code
99539



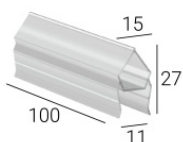
Template

Code
C-V200005



Profile
 Material:UV Resistant Polycarbonate, colour:transparent.

Code
C-K100021



Profile
 Material:UV Resistant Polycarbonate, colour:transparent.

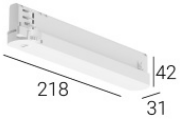
Code
C-K100022

Rubber 3D Optic



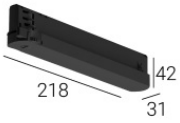
Rubber 3D Optic | LED Strip | Accessories

82219N20



Electronic accessory
installation position: ceiling L=218mm, H=42mm, D=31mm.
Material:ABS Plastic, colour:white.

Code
C-E300007



Electronic accessory
installation position: ceiling L=218mm, H=42mm, D=31mm.
Material:ABS Plastic, colour:black.

Code
C-E300008



Cable gland

Code
98990



Connector

Code
89548



Strip Service - Double sided tape 33 meters

Code
99520