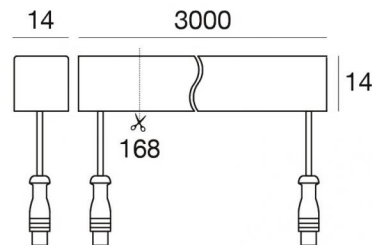
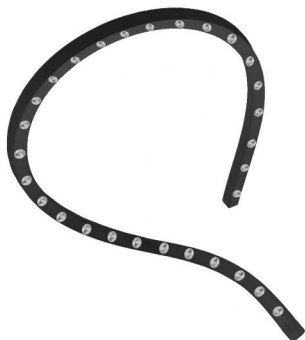


# Rubber 3D Optic



LED Strip | 108 topLED 66 W DC 24 V | 22 W/m  
2415 Lm/m | CRI 85

82221N30



Technical data	
Length	3000 mm
Minimum cut	168 mm
Type	LED Strip
Installation position	Wall lights - Ceiling - Floor
Installation environment	Outdoor
Light Source	LED
Circuit structure	topLED
Optics	Wide Flood
Light emission direction	downward
Nominal power	66 W DC
Power / m	22 W / m
Source lumens	7245 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	3000 mm
Net weight	2.075 Kg
Electrostatic discharge protection	No
Surge protection	No


## Finishing casing


Material	Technopolymer
Colour	black


## Finishing diffuser


Material	PU
Colour	black


## Electronics

 99331  
On/Off Driver 198~264V AC / 176~275V DC 150 W

 99332  
1-10V Controller

 99374  
On/Off Driver 198~264V AC / 176~275V DC 75 W

 83333  
Push and Simply Dim - DALI-2 Controller

 C-E400002  
Push and Simply Dim - DALI-2 Controller

# Rubber 3D Optic



LED Strip | 108 topLED 66 W DC 24 V | 22 W/m | 2415 Lm/m | CRI 85 | Base  
82221N30

Single emission led strip for outdoor application. The natural white LED light source with a wide flood light distribution is composed of 108 topLED LEDs with CCT of 4000 K and a CRI 85; the source luminous flux is 7245 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 2.075 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 66 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 6 light sources of energy efficiency class F.

## Illuminotechnical Features

Light Output Ratio (LOR)	68 %
Source lumens	7245 lm
Delivered lumens	4927 lm
Consumption	66 W
Luminaire efficacy	74 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

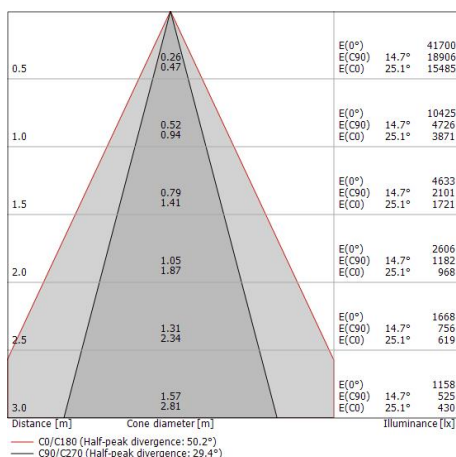
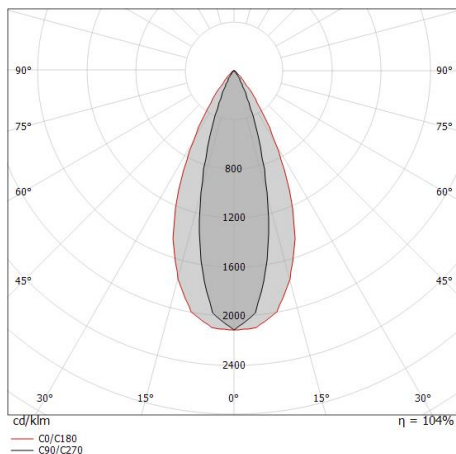
L70 B20 C0 72500h

## UGR

UGR axial	10.2
UGR transversal	16.9
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20

## OPTICAL

C90/C270 optics	29°
C0/C180 optics	50°
Light distribution symmetry	Symmetrical 2 axis

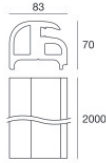
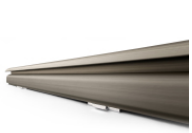


# Rubber 3D Optic



LED Strip | 108 topLED 66 W DC 24 V | 22 W/m | 2415 Lm/m | CRI 85  
**82221N30**

## Components



D-Wave

**Code**

77407

# Rubber 3D Optic



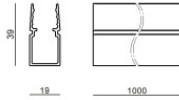
Rubber 3D Optic | LED Strip | Accessories  
82221N30

		<p>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.</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>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.</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>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.</p>	<table border="1"> <thead> <tr> <th>Code</th> </tr> </thead> <tbody> <tr> <td>C-K100007</td> </tr> </tbody> </table>	Code	C-K100007		
Code							
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		<p>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.</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>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.</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>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.</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>Outer casing - Linear profile with aluminium cable passage 39x18x1000mm for 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.</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						
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Finish	Code						
	82199						

# Rubber 3D Optic

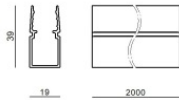


Rubber 3D Optic | LED Strip | Accessories  
**82221N30**



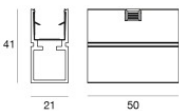
Profile - Profile 39x19 Aluminium black 1m for Rubber 3D, Rubber 3D Concrete, Rubber 3D 48V, Rubber 3D Optic, Rubber 3D Pixel  
 Material:Aluminium, colour:black, processing:Anodisation.

**Code**  
C-K100009



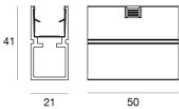
Profile - Profile 39x19 Aluminium black 2m for Rubber 3D, Rubber 3D Concrete, Rubber 3D 48V, Rubber 3D Optic, Rubber 3D Pixel  
 Material:Aluminium, colour:black, processing:Anodisation.

**Code**  
C-K100010



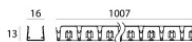
Bracket - Clip with toothed spring with cable passage - Anodised Aluminium - for Rubber 3D (not for Rubber 3D PROtection)  
 installation position: wall lights, ceiling L=50mm, H=41mm, D=21mm.  
 Material:Aluminium, colour:Aluminium, processing:Anodisation.

**Finish**  
 [Redacted]  
**Code**  
C-F400003



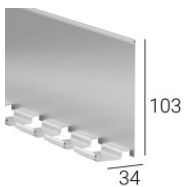
Bracket - Clip with toothed spring with cable passage - Anodised Black Aluminium - for Rubber 3D (not for Rubber 3D PROtection)  
 installation position: wall lights, ceiling L=50mm, H=41mm, D=21mm.  
 Material:Aluminium, colour:black, processing:Anodisation.

**Finish**  
 [Redacted]  
**Code**  
C-F400004



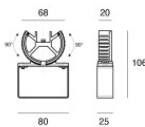
Profile - Flexible profile  
 Material:AISI 304 steel, colour:steel.

**Code**  
C-K100011



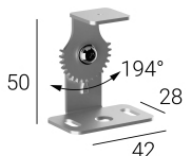
Anti-glare - Anti-glare herringbone eyelid  
 Anti-glare Type: eyelid.  
 Material:Aluminium 6060, colour:Anodised Aluminum, processing:20 µm anodizing.

**Finish**  
 [Redacted]  
**Code**  
C-K100032



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

**Code**  
83352



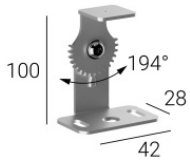
Bag / Fixing kit - Wall-mounted tilting kit in AISI 304 steel

**Code**  
C-K400168

# Rubber 3D Optic

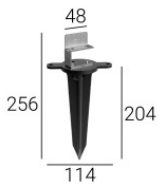


Rubber 3D Optic | LED Strip | Accessories  
**82221N30**



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



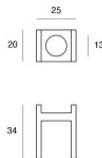
Bag / Fixing kit - Picket with tilting bracket

**Code**  
C-F500005



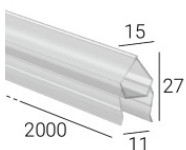
Closing cap - PU Rubber  
 Material:Silicone, colour:transparent.

**Code**  
99539



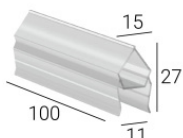
Template

**Code**  
C-V200005



Profile  
 Material:UV Resistant Polycarbonate, colour:transparent.

**Code**  
C-K100021



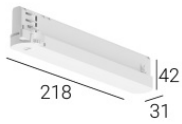
Profile  
 Material:UV Resistant Polycarbonate, colour:transparent.

**Code**  
C-K100022

# Rubber 3D Optic

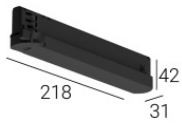


Rubber 3D Optic | LED Strip | Accessories  
**82221N30**



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