

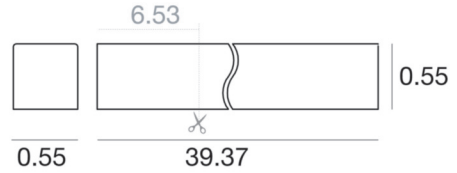
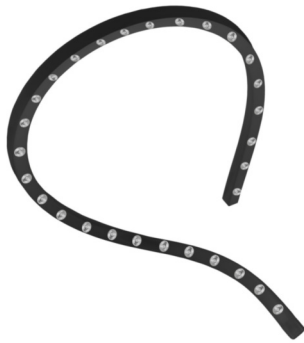
# Rubber 3D Optic

Project: \_\_\_\_\_  
 Type: \_\_\_\_\_



LED Strip | topLED 19 W | CRI 85 | 2700K | Elliptic / Spot | Black | Wet location | 24V  
**LL-E82219-M-20**

IP67



## Technical data

Type	LED Strip
Installation position	Wall lights - Ceiling - Floor
Installation environment	Indoor - Outdoor
Light Source	LED
Optics	Elliptic / Spot
Light emission direction	downward
Power	19 W
Operation	24V
Source lumens	2185 lm
Voltage	24V
CCT	2700 K
Color rendering index	85 Ra
C.C. / C.V.	CV
Safety class	3
IP	IP67
Glow wire test	960°
Direct mounting on normally flammable surfaces	Yes
CE	Yes
Operating temperature	-20 / +50
Driver included	No
Dimmable article	Yes
Directional	No
Tilting	No
Walk-over	No
Drive-over	No
Cable included	Yes
Cable length	1(M)x0.25m + 1(F)x0.25 m
Resin potting	Yes
Type of light emission	Single emission
Electrostatic discharge protection	No
Surge protection	No

## Finishing casing

Material	PU
Color	black

## Notes:

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# Rubber 3D Optic



LED Strip | topLED 19 W | CRI 85 | 2700K | Elliptic / Spot | Black | Wet location | 24V | Base  
**LL-E82219-M-20**

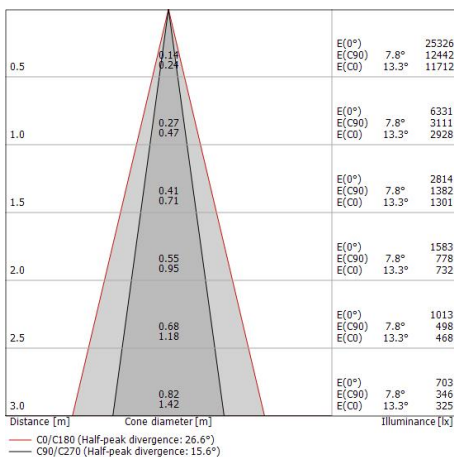
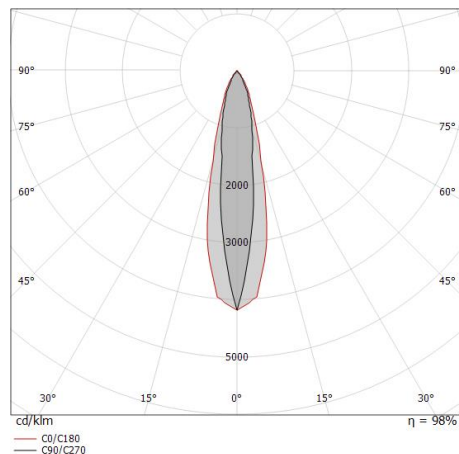
Single emission led strip for indoor or outdoor application. The super warm LED light source with an elliptic / spot light distribution is composed of 1 topped LEDs with CCT of 2700 K and a CRI 85; the source luminous flux is 2185 lm, with a 115.0 lm/W nominal luminous efficacy.

The device body is made of pu and features a black finish. The ingress protection degree is IP67; the total weight is of 0 lbs. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 19 W. The power supply cable is included and features a 3.281 ft length.

The device features protection class III and can be wall lights, ceiling or floor-mounted.

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



Led features	
Light Output Ratio (LOR)	69 %
Source lumens	2185 lm
Delivered lumens	1514 lm
Power	19 W
Luminaire efficacy	79 lm/W
Color temperature	2700 K
Standard Deviation of Colour Matching	3 Step MacAdam
Color rendering index	85 Ra
Junction temperature (lighting fixture)	80
Standard Operating Ambient Temperature	25
LED Life / Failure Ratio	
L70 B20 C0 72.5h (at Tj 115 Ta 25)	

UGR	
UGR axial	< 16
UGR transversal	< 16
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20

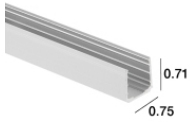
OPTICAL	
Light distribution symmetry	Elliptic
C0/C180 optics	27°
C90/C270 optics	16°

# Rubber 3D Optic



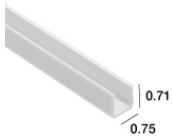
Rubber 3D Optic | LED Strip | Accessories

**LL-E82219-M-20**



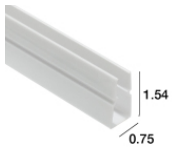
Profile - Linear aluminum profile 0.75x0.71x39.37 inch  
Material:Aluminum, process:Anodisation.

**Code**  
E99549



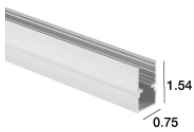
Profile - Linear profile - length 3.28 feet  
Material:PVC.

**Code**  
E80418



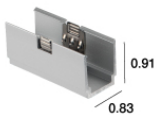
Profile - Linear profile with cable passage - length 3.28 feet  
Material:PVC.

**Code**  
E80419



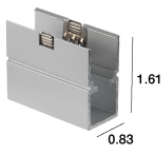
Profile - Linear aluminum profile with cable passage  
0.75x1.54x39.37 inch  
Material:Aluminum, process:Anodisation.

**Code**  
E83034



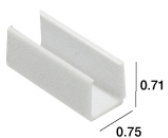
Bracket - Clip with toothed spring  
installation position: wall lights, ceiling L=1.97in, H=0.91in,  
D=0.83in.  
Material:Aluminum, process:Anodisation.

**Code**  
E99536



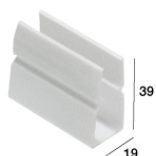
Bracket - Clip with toothed spring with cable passage  
installation position: wall lights, ceiling L=1.97in, H=1.61in,  
D=0.83in.  
Material:Aluminum, process:Anodisation.

**Code**  
E99537



Bracket - Clip for Rubber - length 1.97 inches  
installation position: wall lights, ceiling L=1.97in, H=0.71in,  
D=0.75in.  
Material:PVC.

**Code**  
E80733



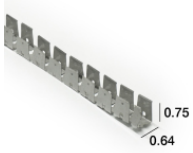
Bracket - Clip with cable passage - length 1.97 inches  
installation position: wall lights, ceiling L=1.97in, H=1.54in,  
D=0.75in.  
Material:PVC.

**Code**  
E80734

# Rubber 3D Optic



Rubber 3D Optic | LED Strip | Accessories  
**LL-E82219-M-20**



Bracket - Articulated Channel. Not Suitable for Concrete applications.  
installation position: wall lights, ceiling L=41.14in, H=0.75in, D=0.64in.

Material:Stainless steel--, color:steel.

**Finish**

Inox

**Code**

E99541



Closing cap - End cap (set of 2). Required one set per run. Includes specific glue to secure to product to retain IP67 wet listing.

Material:Silicone, color:transparent.

**Code**

E99539



Extension cable

**Code**

E99689



Extension cable

**Code**

E99688

Rubber predisposition kit - Polystyrene strip - Length 43.31 inches

**Code**

E99521