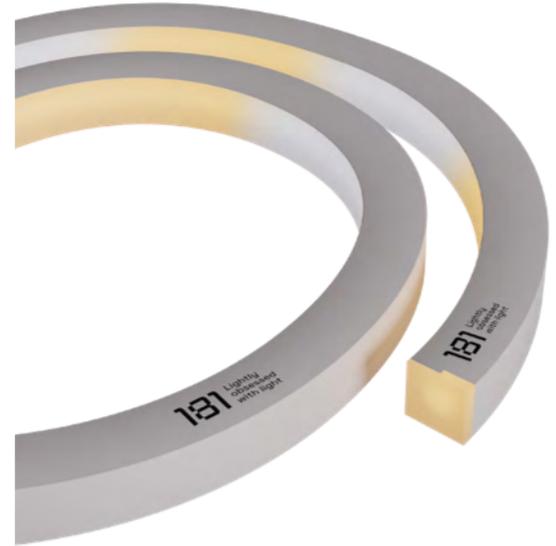


The DiGi Neonflex Top Bend Tunable White 48V is a flexible linear lighting solution for clean, continuous lines of dynamic tunable white lighting in architectural applications. With top-bend flexibility, it smoothly navigates tight curves, circular forms, and contours.

Ideal for curved facades, circular features, and artistic installations requiring lateral bending. The DiGi Neonflex Top Bend Tunable White is perfect for a dynamic lighting scheme with high-quality light and tunable tones of white lighting.

- Application-Driven Format – Multiple shapes and sizes enable seamless integration into both compact and large-scale architectural elements.
- Precise White Effects – From subtle fades to sweeping movement, pixel-controlled white lighting brings dynamic expression to static tones.



## Specifications

| General                 |               |     |
|-------------------------|---------------|-----|
| Power Consumption (W/m) | 17            |     |
| Input Voltage (V DC)    | 48            |     |
| LEDs (/m)               | 84            |     |
| LED Pitch (mm)          | 11,9          |     |
| LEDs (/segment)         | 14            |     |
| Pixels (/m)             | 6             |     |
| Channels (/m)           | 18            |     |
| Beam Angle (°)          | 1616, 2219    | 120 |
|                         | 1717          | 210 |
|                         | 3027          | 270 |
| LED Type                | 2in1          |     |
| Color Range             | Tunable White |     |
| CRI                     | ≥80, ≥90      |     |
| Control                 | DMX           |     |

| Installation Conditions & Lighting Data      |             |        |
|--|-------------|--------|
| Segment Length (mm)                          | 167         |        |
| Bending Radius (mm)                          | 1616, 1717  | 120    |
|  | 3027, 2219  | 400    |
| Maximum Run Length Power <sup>1</sup> (m)    | Single Feed | 20     |
|  | Double Feed | 40     |
| Maximum Run Length Data <sup>1</sup> (m)     | @30fps      | 114    |
|  | @45fps      | 76     |
| Maximum Leader Cable Length <sup>1</sup> (m) | Up to 20    |        |
| Lumen Maintenance Calculated Hours (h)       | L70 @ 25°C  | 70,000 |
|  | L70 @ 50°C  | 50,000 |

<sup>1</sup>More details can be found in the Installation Guide document.

| Operating                     |                             |
|-------------------------------|-----------------------------|
| Environment                   | Outdoor                     |
| Installation Temperature (°C) | 0 to +50                    |
| Working Temperature (°C)      | -40 to +55                  |
| Saltwater Resistant           | Yes                         |
| UV Resistant                  | Yes                         |
| Flame Resistant               | Yes                         |
| IK Rating                     | IK08                        |
| IP Rating                     | IP68                        |
| Certification                 | CE, RoHS, UL, UKCA, CB, FCC |
| Limited Warranty              | 5 Years                     |

| Physical            |                  |             |
|---------------------|------------------|-------------|
| Housing Material    | Silicone         |             |
| Cable Material      | Silicone         |             |
| Connector Material  | Nylon (PA66)     |             |
| Housing Color       | White            |             |
| Connector Type      | Bare Wires / M12 |             |
| Weight (kg/m)       | 1616, 1717       | 0,45        |
|                     | 3027, 2219       | 0,60        |
| Dimensions WxH (mm) | 1616, 1717       | 16,5 x 16,5 |
|                     | 3027             | 30 x 28     |
|                     | 2219             | 22 x 19     |

## Options

| Color/CCT                |            |
|--------------------------|------------|
| <input type="checkbox"/> | 2200-5700K |
| <input type="checkbox"/> | 2700-5700K |
| <input type="checkbox"/> | 3000-5700K |

# Lighting Specifications

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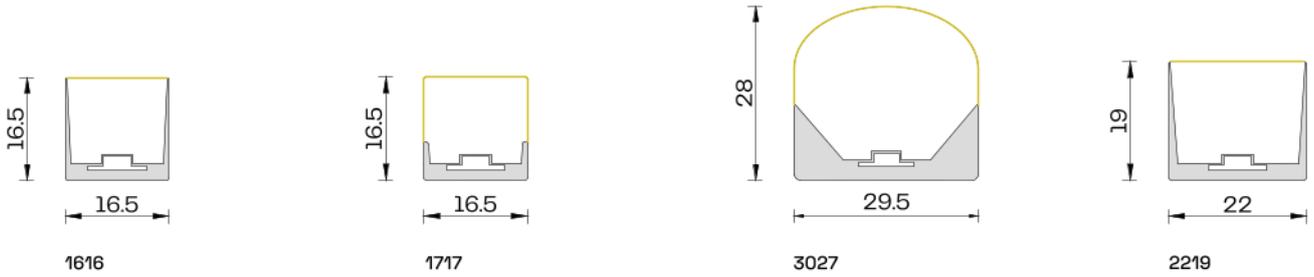
## DiGi Neonflex Top Bend

|                                       | Full White<br>(lm/m) | Warm White<br>(lm/m) | Cold White<br>(lm/m) |
|---------------------------------------|----------------------|----------------------|----------------------|
| 1616 48V Tunable White 2200-5700K DMX |                      |                      |                      |
| 1616 48V Tunable White 2700-5700K DMX |                      |                      |                      |
| 1616 48V Tunable White 3000-5700K DMX |                      |                      |                      |
| 1717 48V Tunable White 2200-5700K DMX |                      |                      |                      |
| 1717 48V Tunable White 2700-5700K DMX |                      |                      |                      |
| 1717 48V Tunable White 3000-5700K DMX |                      |                      |                      |
| 3027 48V Tunable White 2200-5700K DMX |                      |                      |                      |
| 3027 48V Tunable White 2700-5700K DMX |                      |                      |                      |
| 3027 48V Tunable White 3000-5700K DMX |                      |                      |                      |
| 2219 48V Tunable White 2200-5700K DMX |                      |                      |                      |
| 2219 48V Tunable White 2700-5700K DMX |                      |                      |                      |
| 2219 48V Tunable White 3000-5700K DMX |                      |                      |                      |

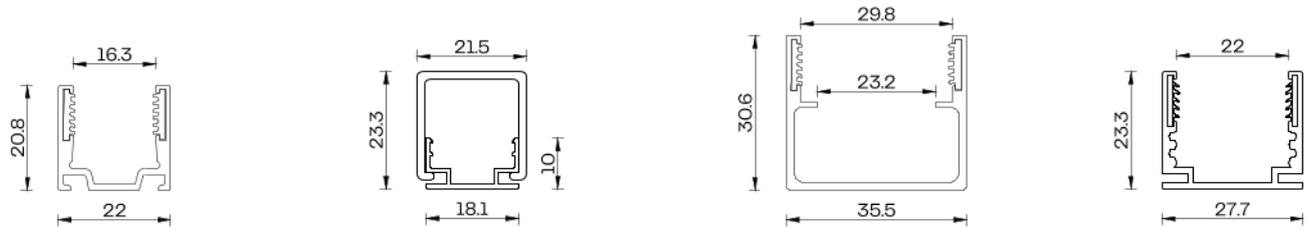
## Photometric Distribution

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# Dimensions



# Accessory Options



- 1616<sup>1</sup>**
- \_\_\_\_ Straight Profile
  - \_\_\_\_ Clip Profile<sup>2</sup>
  - \_\_\_\_ Straight Profile Cable Duct
  - \_\_\_\_ Straight Profile Recessed
  - \_\_\_\_ Straight Profile Transparent
  - \_\_\_\_ Curved Profile
  - \_\_\_\_ Recessed Profile End Cap

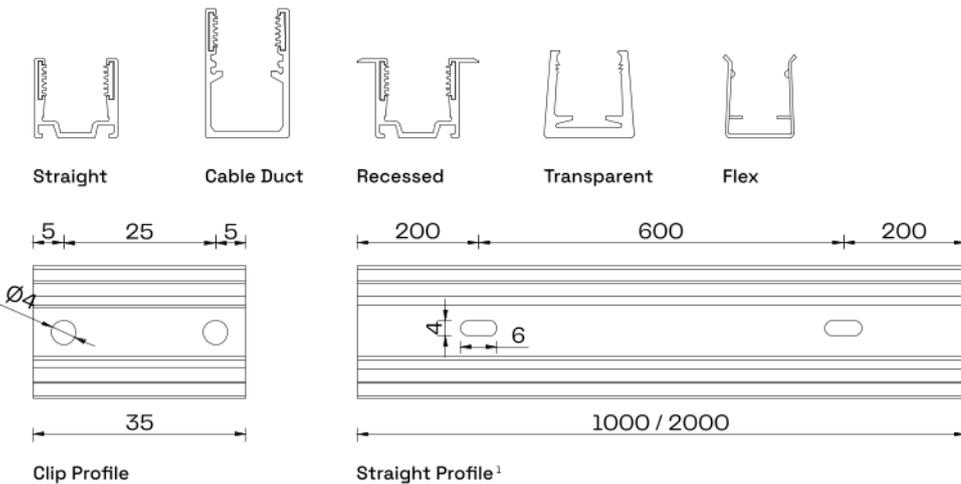
- 1717<sup>1</sup>**
- \_\_\_\_ Straight Profile
  - \_\_\_\_ Clip Profile<sup>2</sup>
  - \_\_\_\_ Straight Profile Transparent

- 3027<sup>1</sup>**
- \_\_\_\_ Straight Profile
  - \_\_\_\_ Clip Profile<sup>2</sup>
  - \_\_\_\_ Curved Profile

- 2219<sup>1</sup>**
- \_\_\_\_ Straight Profile
  - \_\_\_\_ Clip Profile<sup>2</sup>
  - \_\_\_\_ Straight Profile Cable Duct
  - \_\_\_\_ Curved Profile

<sup>1</sup> Straight Profile is shown. The dimensions shown are not to scale. Please refer to the Dimensions Sheet document for additional dimensions.  
<sup>2</sup> Straight installation has only 4 pieces per meter, while curved installation has 8 pieces per meter.

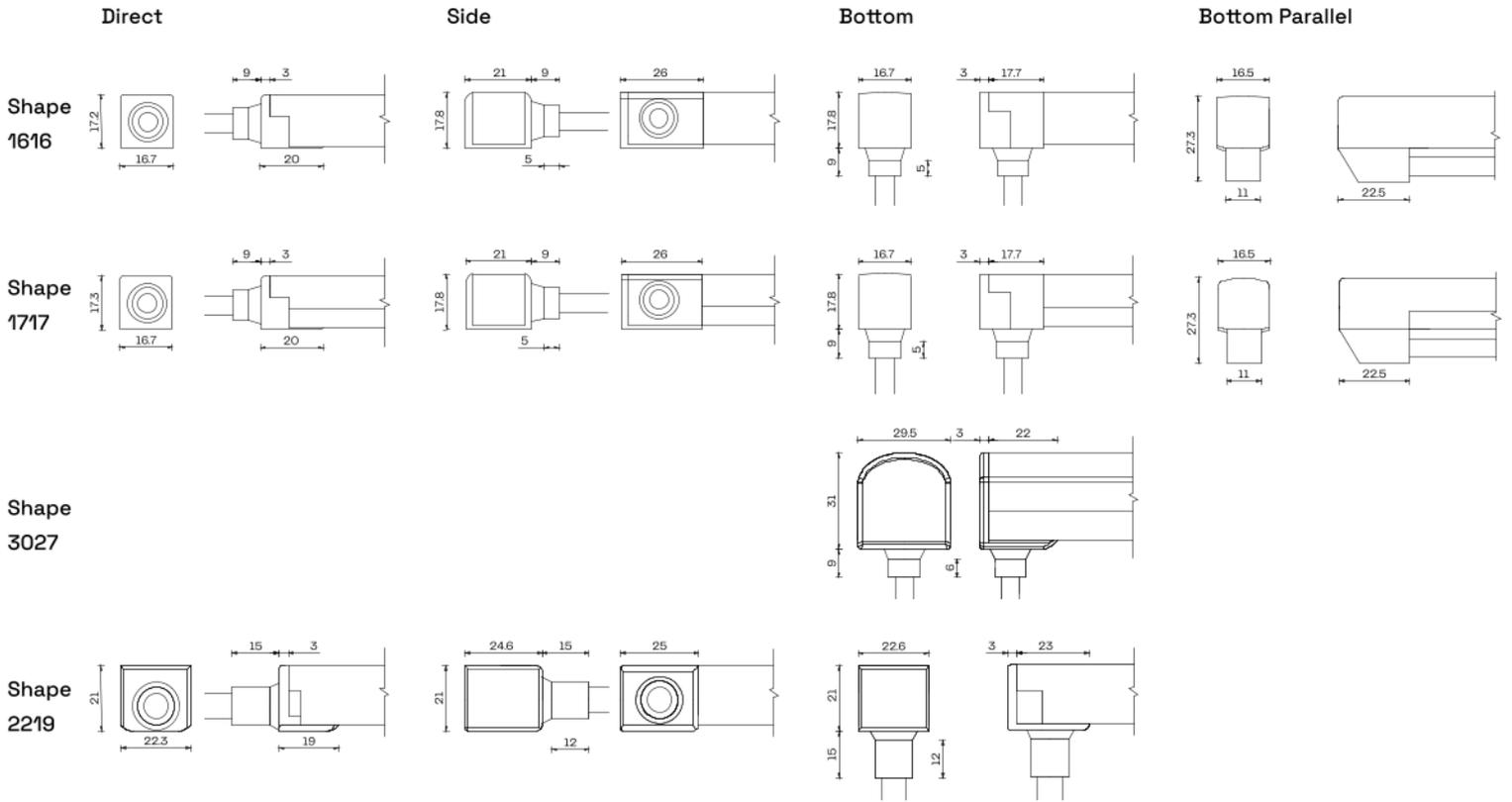
# Profile Specifications



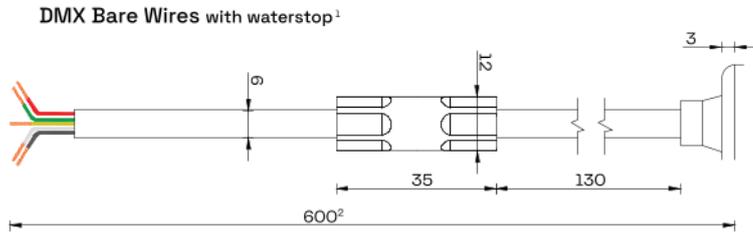
| Physical                     |                     |
|------------------------------|---------------------|
| Profile Material             | Aluminum Alloy 6063 |
| Transparent Profile Material | Polycarbonate       |
| Aluminum Profile Finish      | Blank Anodized      |

<sup>1</sup> 1000mm profile is standard. 2000mm is available to order.

# Cable Entry Options

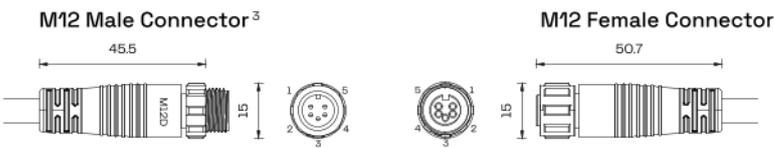


# Connection Options



## Wire Color

|        |         |
|--------|---------|
| Red    | 48 V+   |
| Green  | Data +  |
| Yellow | Data -  |
| White  | Program |
| Black  | GND     |



## Connector Pin

|       |        |         |
|-------|--------|---------|
| Pin 1 | Red    | 48 V+   |
| Pin 2 | Green  | Data +  |
| Pin 3 | White  | Program |
| Pin 4 | Yellow | Data -  |
| Pin 5 | Black  | GND     |

<sup>1</sup>Removing the waterstop will void the warranty.

<sup>2</sup>600mm cable length is standard. Custom length is available on request.

<sup>3</sup>When opting for M12 connector the cable including connector is 300mm.

# Product References

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## DiGi Neonflex

| Reference | Description  |
|-----------|--|
| 3171900   | DiGi Neonflex Top Bend 1616 48V Tunable White 2200-5700K DMX |
| 3171901   | DiGi Neonflex Top Bend 1616 48V Tunable White 2700-5700K DMX |
| 3171902   | DiGi Neonflex Top Bend 1616 48V Tunable White 3000-5700K DMX |
| 3171903   | DiGi Neonflex Top Bend 1717 48V Tunable White 2200-5700K DMX |
| 3171904   | DiGi Neonflex Top Bend 1717 48V Tunable White 2700-5700K DMX |
| 3171905   | DiGi Neonflex Top Bend 1717 48V Tunable White 3000-5700K DMX |
| 3171906   | DiGi Neonflex Top Bend 3027 48V Tunable White 2200-5700K DMX |
| 3171907   | DiGi Neonflex Top Bend 3027 48V Tunable White 2700-5700K DMX |
| 3171908   | DiGi Neonflex Top Bend 3027 48V Tunable White 3000-5700K DMX |
| 3171909   | DiGi Neonflex Top Bend 2219 48V Tunable White 2200-5700K DMX |
| 3171910   | DiGi Neonflex Top Bend 2219 48V Tunable White 2700-5700K DMX |
| 3171911   | DiGi Neonflex Top Bend 2219 48V Tunable White 3000-5700K DMX |

## Accessories

### Straight Profiles

| Reference | Description                                     |
|-----------|---|
| 3167904   | Neonflex 1616 Straight Profile 1000             |
| 3167926   | Neonflex 1616 Straight Profile 2000             |
| 3167934   | Neonflex 1616 Clip Profile                      |
| 3167967   | Neonflex 1616 Straight Profile Cable Duct 1000  |
| 3167968   | Neonflex 1616 Straight Profile Cable Duct 2000  |
| 3167909   | Neonflex 1616 Straight Profile Recessed 1000    |
| 3167913   | Neonflex 1616 Straight Profile Recessed 2000    |
| 3167960   | Neonflex 1616 Recessed Profile End Cap 2pcs     |
| 3167969   | Neonflex 1616/1717 Straight Profile Transparent |
| 3167907   | Neonflex 1717 Straight Profile 1000             |
| 3167927   | Neonflex 1717 Straight Profile 2000             |
| 3167935   | Neonflex 1717 Clip Profile                      |
| 3167908   | Neonflex 3027 Straight Profile 1000             |
| 3167930   | Neonflex 3027 Straight Profile 2000             |
| 3167937   | Neonflex 3027 Clip Profile                      |
| 3167975   | Neonflex 2219 Straight Profile 1000             |
| 3167976   | Neonflex 2219 Straight Profile 2000             |
| 3167977   | Neonflex 2219 Clip Profile                      |
| 3167978   | Neonflex 2219 Straight Profile Cable Duct 1000  |
| 3167979   | Neonflex 2219 Straight Profile Cable Duct 2000  |

### Curved Profiles

| Reference | Description                                |
|-----------|--|
| 3167918   | Neonflex Top Bend 1616 Curved Profile 1000 |
| 3167942   | Neonflex Top Bend 1616 Curved Profile 2000 |
| 3167922   | Neonflex Top Bend 3027 Curved Profile 1000 |
| 3167943   | Neonflex Top Bend 3027 Curved Profile 2000 |
| 3167953   | Neonflex Top Bend 2219 Curved Profile 1000 |
| 3167954   | Neonflex Top Bend 2219 Curved Profile 2000 |