

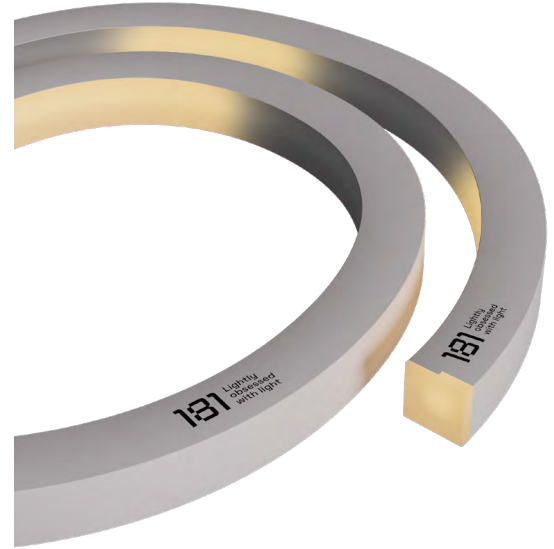
DiGi Neonflex Top Bend White 48V

181

The DiGi Neonflex Top Bend White 48V is a flexible linear lighting solution for clean, continuous lines of dynamic 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 White is perfect for a lighting scheme with high-quality dynamic 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 | Discrete | |
| Color Range | 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 ¹ (m) | Single Feed | 20 |
| | Double Feed | 40 |
| Maximum Run Length Data ¹ (m) | @30fps | 114 |
| | @45fps | 76 |
| Maximum Leader Cable Length ¹ (m) | Up to 20 | |
| Lumen Maintenance Calculated | L70 @ 25°C 70,000 | |
| Hours (h) | L70 @ 50°C 50,000 | |

¹More 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

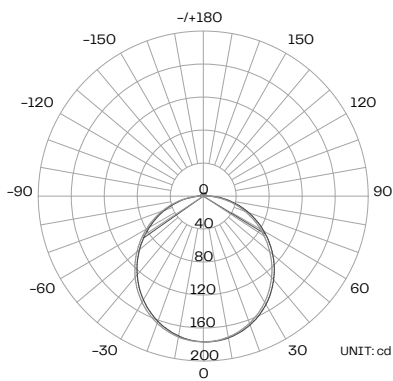
- | | |
|--------------------------------|--------------------------------|
| <input type="checkbox"/> 2200K | <input type="checkbox"/> 4000K |
| <input type="checkbox"/> 2700K | <input type="checkbox"/> 4500K |
| <input type="checkbox"/> 3000K | <input type="checkbox"/> 5000K |
| <input type="checkbox"/> 3500K | <input type="checkbox"/> 6500K |

Lighting Specifications

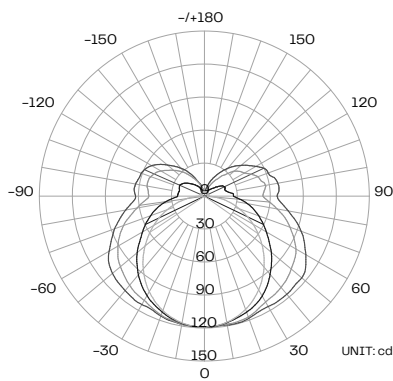
DiGi Neonflex Top Bend

| | Full White (mm) |
|--------------------|--------------------|
| 1616 48V 2200K DMX | |
| 1616 48V 2700K DMX | |
| 1616 48V 3000K DMX | |
| 1616 48V 3500K DMX | |
| 1616 48V 4000K DMX | |
| 1616 48V 4500K DMX | |
| 1616 48V 5000K DMX | |
| 1616 48V 6500K DMX | |
| 1717 48V 2200K DMX | |
| 1717 48V 2700K DMX | |
| 1717 48V 3000K DMX | |
| 1717 48V 3500K DMX | |
| 1717 48V 4000K DMX | |
| 1717 48V 4500K DMX | |
| 1717 48V 5000K DMX | |
| 1717 48V 6500K DMX | |
| 3027 48V 2200K DMX | |
| 3027 48V 2700K DMX | |
| 3027 48V 3000K DMX | |
| 3027 48V 3500K DMX | |
| 3027 48V 4000K DMX | |
| 3027 48V 4500K DMX | |
| 3027 48V 5000K DMX | |
| 3027 48V 6500K DMX | |
| 2219 48V 2200K DMX | |
| 2219 48V 2700K DMX | |
| 2219 48V 3000K DMX | |
| 2219 48V 3500K DMX | |
| 2219 48V 4000K DMX | |
| 2219 48V 4500K DMX | |
| 2219 48V 5000K DMX | |
| 2219 48V 6500K DMX | |

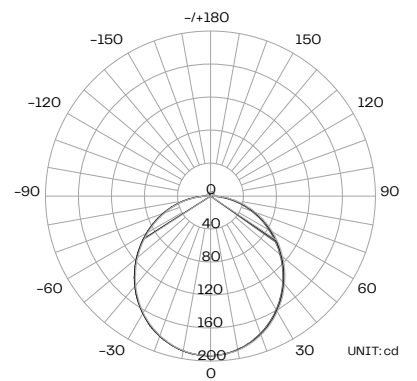
Photometric Distribution



1616 - 113.5° Average Beam Angle

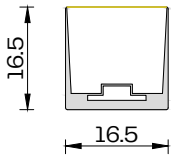


1717 - 158.9° Average Beam Angle

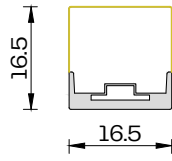


2219 - 112.7° Average Beam Angle

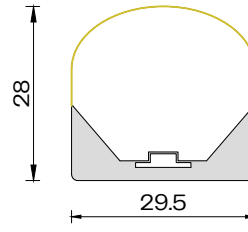
Dimensions



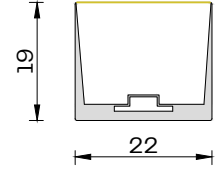
1616



1717

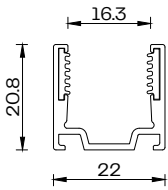


3027



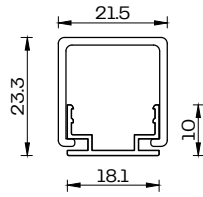
2219

Accessory Options



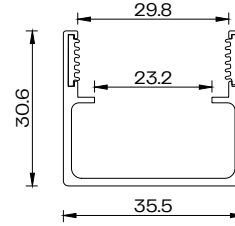
1616¹

- ____ Straight Profile
- ____ Clip Profile²
- ____ Straight Profile Cable Duct
- ____ Straight Profile Recessed
- ____ Straight Profile Transparent
- ____ Curved Profile
- ____ Recessed Profile End Cap



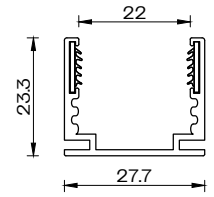
1717¹

- ____ Straight Profile
- ____ Clip Profile²
- ____ Straight Profile Transparent



3027¹

- ____ Straight Profile
- ____ Clip Profile²
- ____ Curved Profile

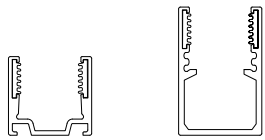


2219¹

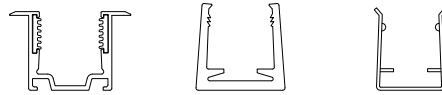
- ____ Straight Profile
- ____ Clip Profile²
- ____ Straight Profile Cable Duct
- ____ Curved Profile

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

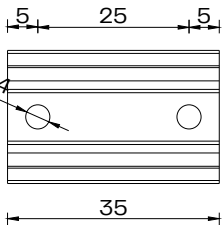
Profile Specifications



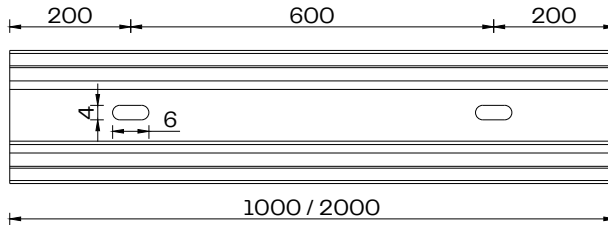
Straight Cable Duct



Recessed Transparent Flex



Clip Profile



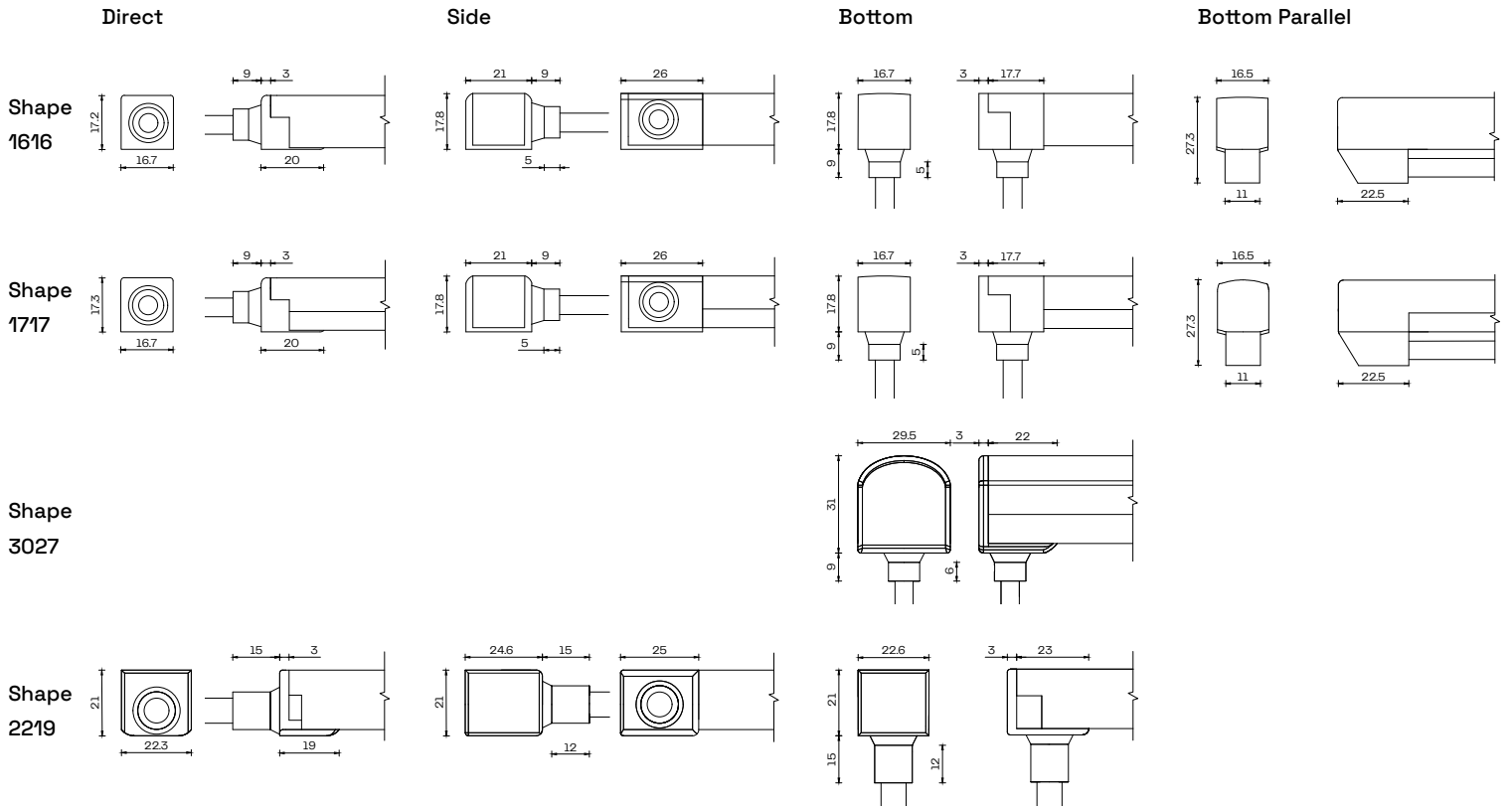
Straight Profile¹

Physical

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

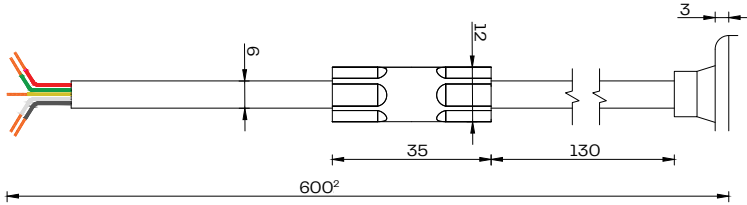
¹ 1000mm profile is standard. 2000mm is available to order.

Cable Entry Options



Connection Options

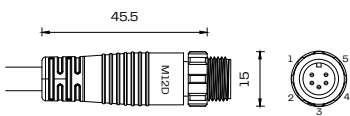
DMX Bare Wires with waterstop¹



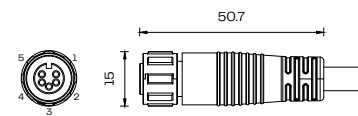
Wire Color

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

M12 Male Connector³



M12 Female Connector



Connector Pin

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

¹ Removing the waterstop will void the warranty.

² 600mm cable length is standard. Custom length is available on request.

³ When opting for M12 connector the cable including connector is 300mm.

Product References

DiGi Neonflex

| Reference | Description |
|-----------|-------------------------------------------|
| 3171840 | DiGi Neonflex Top Bend 1616 48V 2200K DMX |
| 3171841 | DiGi Neonflex Top Bend 1616 48V 2700K DMX |
| 3171842 | DiGi Neonflex Top Bend 1616 48V 3000K DMX |
| 3171843 | DiGi Neonflex Top Bend 1616 48V 3500K DMX |
| 3171844 | DiGi Neonflex Top Bend 1616 48V 4000K DMX |
| 3171845 | DiGi Neonflex Top Bend 1616 48V 4500K DMX |
| 3171846 | DiGi Neonflex Top Bend 1616 48V 5000K DMX |
| 3171847 | DiGi Neonflex Top Bend 1616 48V 6500K DMX |
| 3171848 | DiGi Neonflex Top Bend 1717 48V 2200K DMX |
| 3171849 | DiGi Neonflex Top Bend 1717 48V 2700K DMX |
| 3171850 | DiGi Neonflex Top Bend 1717 48V 3000K DMX |
| 3171851 | DiGi Neonflex Top Bend 1717 48V 3500K DMX |
| 3171852 | DiGi Neonflex Top Bend 1717 48V 4000K DMX |
| 3171853 | DiGi Neonflex Top Bend 1717 48V 4500K DMX |
| 3171854 | DiGi Neonflex Top Bend 1717 48V 5000K DMX |
| 3171855 | DiGi Neonflex Top Bend 1717 48V 6500K DMX |

| | |
|---------|-------------------------------------------|
| 3171856 | DiGi Neonflex Top Bend 3027 48V 2200K DMX |
| 3171857 | DiGi Neonflex Top Bend 3027 48V 2700K DMX |
| 3171858 | DiGi Neonflex Top Bend 3027 48V 3000K DMX |
| 3171859 | DiGi Neonflex Top Bend 3027 48V 3500K DMX |
| 3171860 | DiGi Neonflex Top Bend 3027 48V 4000K DMX |
| 3171861 | DiGi Neonflex Top Bend 3027 48V 4500K DMX |
| 3171862 | DiGi Neonflex Top Bend 3027 48V 5000K DMX |
| 3171863 | DiGi Neonflex Top Bend 3027 48V 6500K DMX |
| 3171864 | DiGi Neonflex Top Bend 2219 48V 2200K DMX |
| 3171865 | DiGi Neonflex Top Bend 2219 48V 2700K DMX |
| 3171866 | DiGi Neonflex Top Bend 2219 48V 3000K DMX |
| 3171867 | DiGi Neonflex Top Bend 2219 48V 3500K DMX |
| 3171868 | DiGi Neonflex Top Bend 2219 48V 4000K DMX |
| 3171869 | DiGi Neonflex Top Bend 2219 48V 4500K DMX |
| 3171870 | DiGi Neonflex Top Bend 2219 48V 5000K DMX |
| 3171871 | DiGi Neonflex Top Bend 2219 48V 6500K 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 |