

V-Neon (8W/m & 3W/m)

~ Flexible, Horizontally-Bendable, Neon-like Effect ~

DC24V

8W/m &
3W/m

IP44

Dimmable
(Dali, 0-10V
Casambi etc)

CRI
Min 90

Two Types
Diffuser
(Semi-frost &
Opal)

Custom
Length
(Build-to-order
basis)

Opal Diffuser
Type

Semi-Frost
Diffuser Type

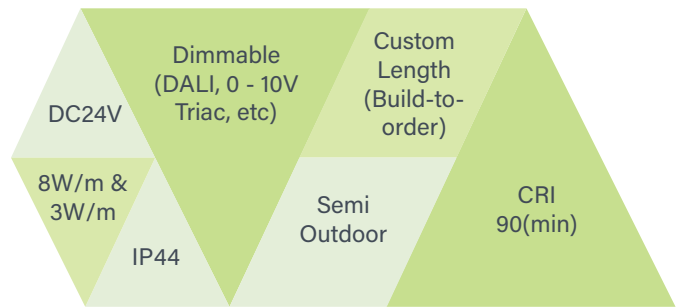


8.0W/METER SEMI-FROST DIFFUSER TYPE

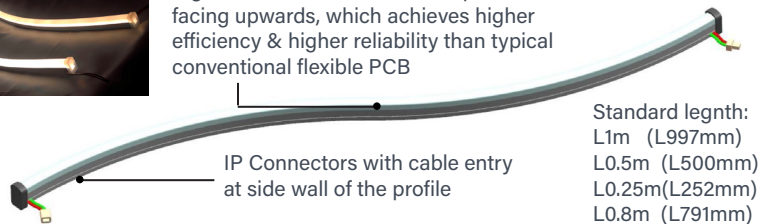
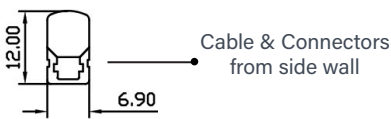
FEATURES

- Horizontally-Bendable
- Using Rigid PCB, yet flexible & Bendable
- Available CCT: 1800K, 2200K, 2500K, 2700K, 3000K, 3500K, 4000K, 5000K
- LED Chip by NICHIA (JAPAN)
- MacAdam 3 Step
- 8W/m & 3W/m
- Option of Two (2) types of Diffuser; Opal & Semi-frost

BASIC SPECIFICATION



Rigid FR4 PCB used with LED parts facing upwards, which achieves higher efficiency & higher reliability than typical conventional flexible PCB



PRODUCT SPECIFICATIONS

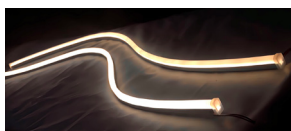
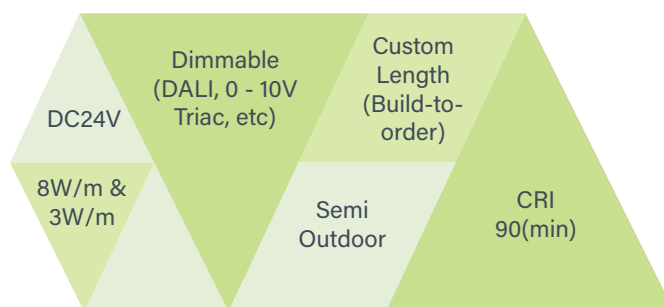
| Product Name | V-NEON (8W/meter, Semi-frost diffuser type) | | | |
|----------------------------------|---|----------------------------|------------------------------|------------------------------|
| Model No. | VN1000-xx3x-S-8W (L1m) | VN0500-xx3x-S-8W (0.5m) | VN0250-xx3x-S-8W (L252mm) | VN0800-xx3x-S-8W (L791mm) |
| Input Voltage | 24Vdc | 24Vdc | 24Vdc | 24Vdc |
| Power Consumption | 8.0W | 4.0W | 2.0W | 6.4W |
| Dimension (mm) | 997*6.9*12(H) | 500*6.9*12(H) | 252*6.9*12(H) | 791*6.9*12(H) |
| Weight (gram) | 106 grams | 53 grams | 28 grams | 93 grams |
| Casing Body | UV-resistant Silicone rubber two-colour profile with milky diffuser on top | | | |
| Beam Angle (°) | 125 deg | 125 deg | 125 deg | 125 deg |
| Operating Temperature | -10°C~50°C | -10°C~50°C | -10°C~50°C | -10°C~50°C |
| Max. Length of Series Connection | 5 meter | 5 meter | 5 meter | 5 meter |
| Option Parts | Metal Mounting bracket 0deg | | | |
| No of LEDs | 192pcs | 96pcs | 48pcs | 152pcs |
| Power Supply Unit (Gear-Driver) | 24Vdc output constant-voltage type (TDK-Lambda's recommended, sold separately) | | | |
| Dimming | Dimmable | Dimmable | Dimmable | Dimmable |
| Fixture Lumens (CCT3000K) | 698 lm(typical) | 332 lm(typical) | 165 lm(typical) | 513 lm(typical) |
| | @ CCT 3000K, IES file available | | | |
| CRI | Ra90 (min) | | | |
| IP Rating | IP44 (NOTE: Not suitable for fully exposed sun/rain environment) | | | |

8.0W/METER OPAL DIFFUSER TYPE

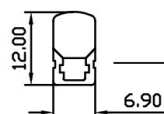
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- 8w/m & 3w/m
- Option of Two (2) types of Diffuser; Opal & Semi-frost

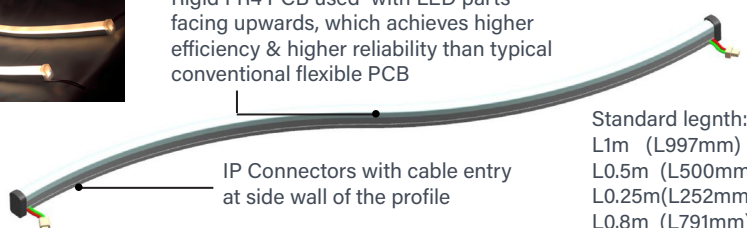
BASIC SPECIFICATION



Rigid FR4 PCB used with LED parts facing upwards, which achieves higher efficiency & higher reliability than typical conventional flexible PCB



Cable & Connectors from side wall



Standard length:
L1m (L997mm)
L0.5m (L500mm)
L0.25m(L252mm)
L0.8m (L791mm)

PRODUCT SPECIFICATIONS

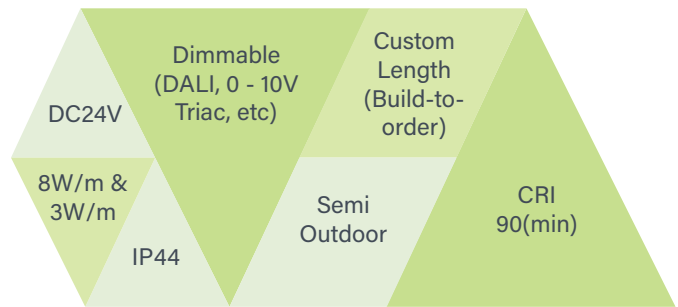
| Product Name | V-NEON (8W/meter, full-dotless using Opal diffuser type) | | | |
|----------------------------------|--|-------------------------|---------------------------|---------------------------|
| Model No. | VN1000-xx3x-D-8W (L1m) | VN0500-xx3x-D-8W (0.5m) | VN0250-xx3x-D-8W (L252mm) | VN0800-xx3x-D-8W (L791mm) |
| Input Voltage | 24Vdc | 24Vdc | 24Vdc | 24Vdc |
| Power Consumption | 8.0W | 4.0W | 2.0W | 6.4W |
| Dimension (mm) | 997*6.9*12(H) | 500*6.9*12(H) | 252*6.9*12(H) | 791*6.9*12(H) |
| Weight (gram) | 106 grams | 53 grams | 28 grams | 115 grams |
| Casing Body | UV-resistant Silicone rubber two-colour profile with milky diffuser on top | | | |
| Beam Angle (°) | 115 deg | 115 deg | 115 deg | 115 deg |
| Operating Temperature | -10°C~+50°C | -10°C~+50°C | -10°C~+50°C | -10°C~+50°C |
| Max. Length of Series Connection | 5 meter | 5 meter | 5 meter | 5 meter |
| Option Parts | Metal Mounting bracket 0deg | | | |
| No of LEDs | 192pcs | 96pcs | 48pcs | 152pcs |
| Power Supply Unit (Gear-Driver) | 24Vdc output constant-voltage type (TDK-Lambda's recommended, sold separately) | | | |
| Dimming | Dimmable | Dimmable | Dimmable | Dimmable |
| Fixture Lumens (CCT3000K) | 398 lm(typical) | 199 lm(typical) | 101 lm(typical) | 315 lm(typical) |
| | @ CCT 3000K, IES file available | | | |
| CRI | Ra90 (min) | | | |
| IP Rating | IP44 (NOTE: Not suitable for fully exposed sun/rain environment) | | | |

3.0W/METER SEMI-FROST DIFFUSER TYPE

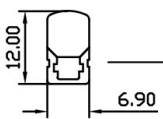
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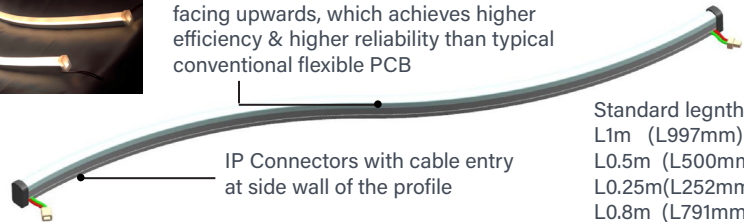
BASIC SPECIFICATION



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Cable & Connectors from side wall



Standard length:
L1m (L997mm)
L0.5m (L500mm)
L0.25m(L252mm)
L0.8m (L791mm)

PRODUCT SPECIFICATIONS

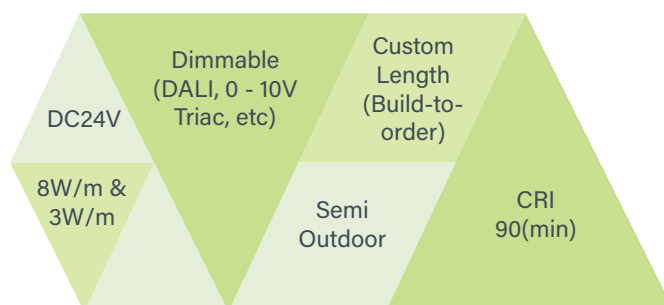
| Product Name | V-NEON (3W/meter, Semi-frost diffuser type) | | | |
|----------------------------------|--|-------------------------|---------------------------|---------------------------|
| Model No. | VN1000-xx3x-S-3W (L1m) | VN0500-xx3x-S-3W (0.5m) | VN0250-xx3x-S-3W (L252mm) | VN0800-xx3x-S-3W (L791mm) |
| Input Voltage | 24Vdc | 24Vdc | 24Vdc | 24Vdc |
| Power Consumption | 3.0W | 1.5W | 0.8W | 2.4W |
| Dimension (mm) | 997*6.9*12(H) | 500*6.9*12(H) | 252*6.9*12(H) | 791*6.9*12(H) |
| Weight (gram) | 106 grams | 53 grams | 28 grams | 93 grams |
| Casing Body | UV-resistant Silicone rubber two-colour profile with milky diffuser on top | | | |
| Beam Angle (°) | 125 deg | 125 deg | 125 deg | 125 deg |
| Operating Temperature | -10°C~50°C | -10°C~50°C | -10°C~50°C | -10°C~50°C |
| Max. Length of Series Connection | 5 meter | 5 meter | 5 meter | 5 meter |
| Option Parts | Metal Mounting bracket 0deg | | | |
| No of LEDs | 192pcs | 96pcs | 48pcs | 152pcs |
| Power Supply Unit (Gear-Driver) | 24Vdc output constant-voltage type (TDK-Lambda's recommended, sold separately) | | | |
| Dimming | Dimmable | Dimmable | Dimmable | Dimmable |
| Fixture Lumens (CCT3000K) | 233 lm(typical) | 111 lm(typical) | 55 lm(typical) | 171 lm(typical) |
| | @ CCT 3000K | | | |
| CRI | Ra90 (min) | | | |
| IP Rating | IP44 (NOTE: Not suitable for fully exposed sun/rain environment) | | | |

3.0W/METER OPAL DIFFUSER TYPE

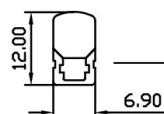
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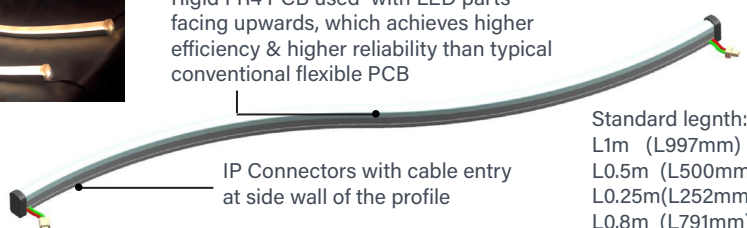
BASIC SPECIFICATION



Rigid FR4 PCB used with LED parts facing upwards, which achieves higher efficiency & higher reliability than typical conventional flexible PCB



Cable & Connectors from side wall



PRODUCT SPECIFICATIONS

| Product Name | V-NEON (3W/meter, full-dotless using Opal diffuser type) | | | |
|----------------------------------|--|-------------------------|---------------------------|---------------------------|
| Model No. | VN1000-xx3x-D-3W (L1m) | VN0500-xx3x-D-3W (0.5m) | VN0250-xx3x-D-3W (L252mm) | VN0800-xx3x-D-3W (L791mm) |
| Input Voltage | 24Vdc | 24Vdc | 24Vdc | 24Vdc |
| Power Consumption | 3.0W | 1.5W | 0.8W | 2.4W |
| Dimension (mm) | 997*6.9*12(H) | 500*6.9*12(H) | 252*6.9*12(H) | 791*6.9*12(H) |
| Weight (gram) | 106grams | 53 grams | 28 grams | 93 grams |
| Casing Body | UV-resistant Silicone rubber two-colour profile with milky diffuser on top | | | |
| Beam Angle (°) | 115 deg | 115 deg | 115 deg | 115 deg |
| Operating Temperature | -10°C~+50°C | -10°C~+50°C | -10°C~+50°C | -10°C~+50°C |
| Max. Length of Series Connection | 5 meter | 5 meter | 5 meter | 5 meter |
| Option Parts | Metal Mounting bracket 0deg | | | |
| No of LEDs | 192pcs | 96pcs | 48pcs | 152pcs |
| Power Supply Unit (Gear-Driver) | 24Vdc output constant-voltage type (TDK-Lambda's recommended, sold separately) | | | |
| Dimming | Dimmable | Dimmable | Dimmable | Dimmable |
| Fixture Lumens (CCT3000K) | 150 lm(typical) | 75 lm(typical) | 38 lm(typical) | 118 lm(typical) |
| | @ CCT 3000K | | | |
| CRI | Ra90 (min) | | | |
| IP Rating | IP44 (NOTE: Not suitable for fully exposed sun/rain environment) | | | |

MODEL NO

Model No

VN **XXXX** – **XXXX** – **X** – **XX**

Fixture Type

Fixture Length

Color Temperature & CRI

Diffuser Type

Wattage Type

Fixture Type: V-NEON

Fixture Length

- 1000** → 1m L997mm Standard
 - 0800** → 0.8m L791mm Standard
 - 0500** → 0.5m L500mm Standard
 - 0250** → 0.25m L252mm Standard
- * Fixture Length Customizable at every 40.4mm*

CCT & CRI

- 503B** → 5000K CRI 90min
- 403B** → 4000K CRI 90min
- 353B** → 3500K CRI 90min
- 303B** → 3000K CRI 90min
- 273B** → 2700K CRI 90min
- 253A** → 2500K CRI 80min
- 223A** → 2200K CRI 80min
- 183A** → 1800K CRI 80min

Diffuser Type

- S** → Semi-frost
- D** → Opal (=Fully Dotless)

Wattage Type

- 8W** → 8W/m
- 3W** → 3W/m

Example

VN0800 – **353B** – **D** – **8W**

Fixture Length

CCT & CRI

Diffuser Type

Wattage Type

L0.8m (L791mm)

3500K CRI 90min

Opal

8W/m

OPTIONAL ACCESSORIES

1 Mounting Clip Bracket 0° Flat Type

Model: MC-0DEG-VN



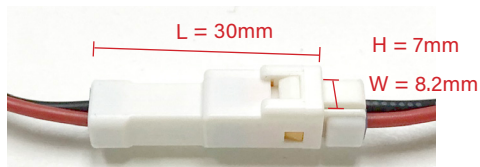
2 Feeder Cable

Model: FC-VN0200 (Cable 20cm)

For Waterproof Connector:

Male-Female Connector

(Standard spec comes with this connector)

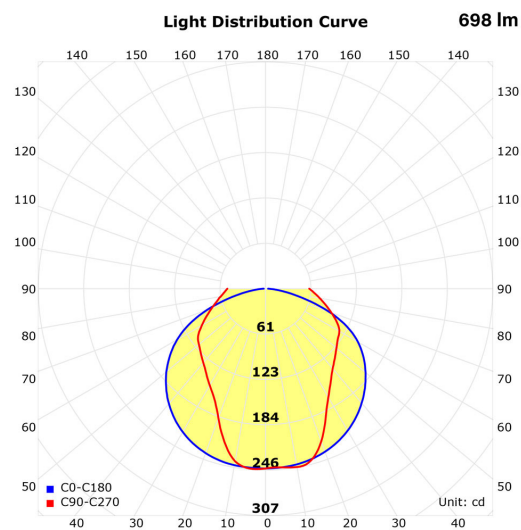


Red Cable = Positive (+)
Black Cable = Negative (-)

PHOTOMETRICS

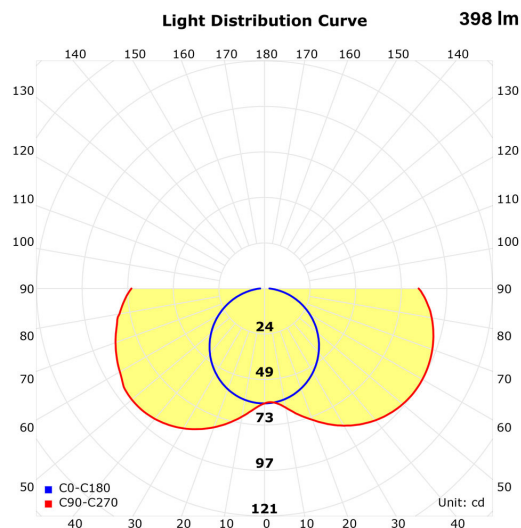
BROWNIE Lab 190214

VN1000-303B-S-8W (L1m 3000K, 8W/m Semi-frost type)



BROWNIE Lab 190214

VN1000-303B-D-8W (L1m 3000K, 8W/m Opal diffuser)



BROWNIE Lab 190214

VN0800-303B-S-8W (L0.8m 3000K, 8W/m Semi-frost type)

