



PRODUCT SPECIFICATION

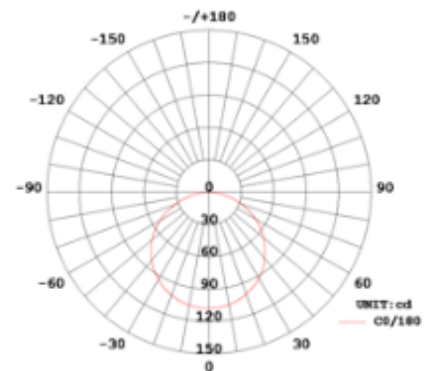
Dimension	H21/W11.5mm
PCB increment	Power connection and cut point every 83.3mm
LED pitch	13.89mm
Chip	Epistar
Beam angle	160°
Colours	Dynamic White
Bin/step	3 Step MacAdam ellipse
CRI	82.7
Lifetime	50000hrs @45°
Operating temp.	0 - 45°C
IP rating	IP68
Mounting	Aluminium profile / self locking aluminium profile
Minimum bend radius	60mm
Connection	Hardwire tails or male/female connectors
Control	0-10V/1-10V/DMX/DALI

PERFORMANCE DATA (for 1000mm)

Power consumption	10.89W
Supply voltage	24V DC
Supply current	0.454A
Luminous flux	364.47Lm/M



LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



TECHNICAL DRAWING



PRODUCT DETAILS

Product name	MAXI NEON DC
Stated output	364.47lm per metre
Description	Flexible LED Neon, 2500-5000K, 24V, 10.89W/m
Quantity/length of product tested	1 x 1000mm
Bin tolerance/#. MacAdams ellipse of chip	3 Step MacAdam ellipse

ELECTRICAL CHARACTERISTICS

Input Voltage (V DC)	24
Input power (W DC)	10.89
Input Current (mA DC)	454mA

LIGHT OUTPUT

Total light output (Lumens)	364.47
Luminaire efficacy (lm/W)	33.47
Beam angle	160°

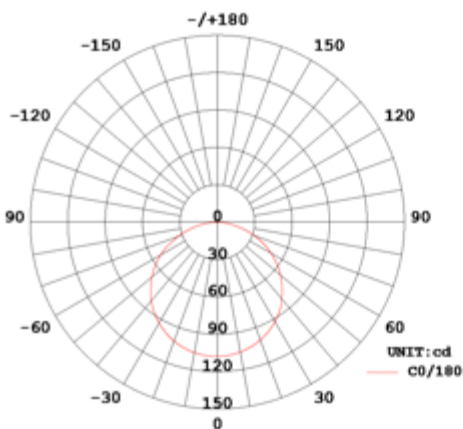
COLOUR CHARACTERISTICS

Correlated colour temperature (CCT)	3427K
Colour rendering index (CRI, Ra)	82.7
Chromaticity coordinates (CIE 1931 - x,y)	0.4109, 0.3963

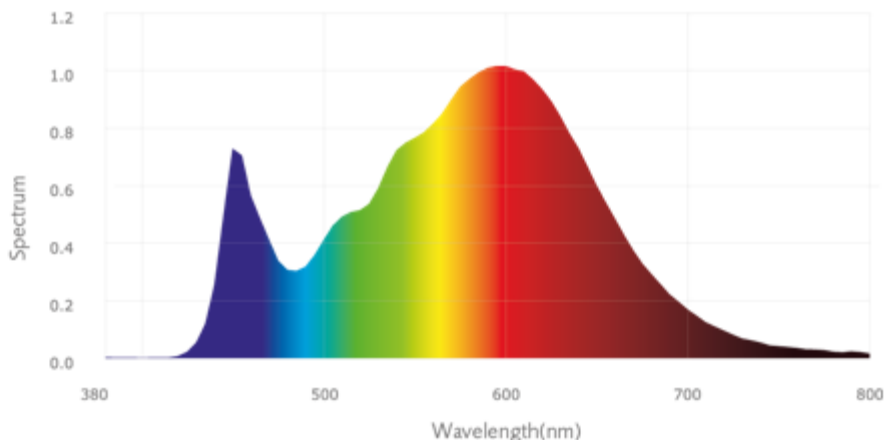
COLOUR RENDERING INDEX

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
81	91	96	79	80	87	85	63	11	77	76	63	83	98	75

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



SPECTRAL RADIANT FLUX VERSUS WAVELENGTH



PRODUCT DETAILS

Product name	MAXI NEON DC
Stated output	176.4lm per metre
Description	Flexible LED Neon, DC: 2500K, 24V, 5.424W/m
Quantity/length of product tested	1 x 1000mm
Bin tolerance/#. MacAdams ellipse of chip	-

ELECTRICAL CHARACTERISTICS

Input Voltage (V DC)	24
Input power (W DC)	5.424
Input Current (mA DC)	226mA

LIGHT OUTPUT

Total light output (Lumens)	176.4
Luminaire efficacy (lm/W)	32.52
Beam angle	160°

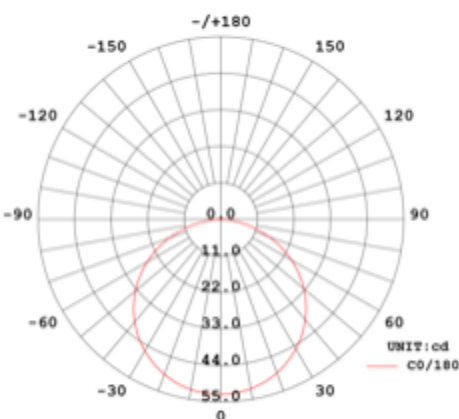
COLOUR CHARACTERISTICS

Correlated colour temperature (CCT)	2457K
Colour rendering index (CRI, Ra)	78.5
Chromaticity coordinates (CIE 1931 - x,y)	0.4864, 0.4232

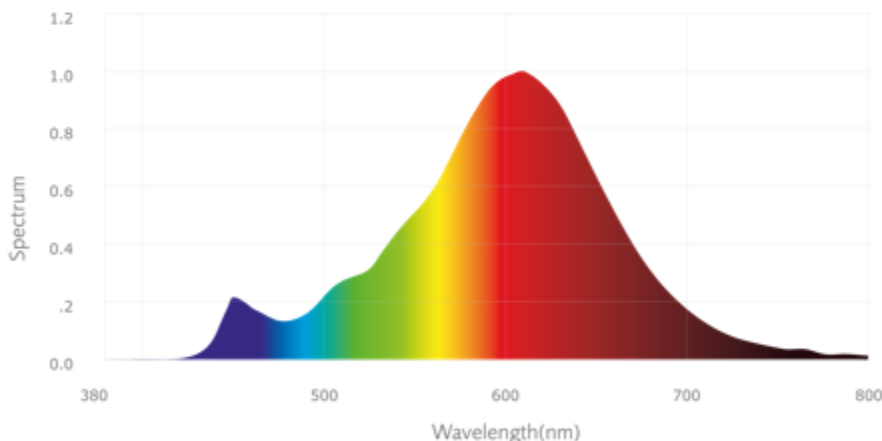
COLOUR RENDERING INDEX

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
76	89	96	74	75	87	80	51	0	76	71	68	79	98	68

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



SPECTRAL RADIANT FLUX VERSUS WAVELENGTH



PRODUCT DETAILS

Product name	MAXI NEON DC
Stated output	194.23lm per metre
Description	Flexible LED Neon, DC 5000K, 24V, 5.56W/m
Quantity/length of product tested	1 x 1000mm
Bin tolerance/#. MacAdams ellipse of chip	-

ELECTRICAL CHARACTERISTICS

Input Voltage (V DC)	24
Input power (W DC)	5.56
Input Current (mA DC)	232mA

LIGHT OUTPUT

Total light output (Lumens)	194.23
Luminaire efficacy (lm/W)	34.93
Beam angle	160°

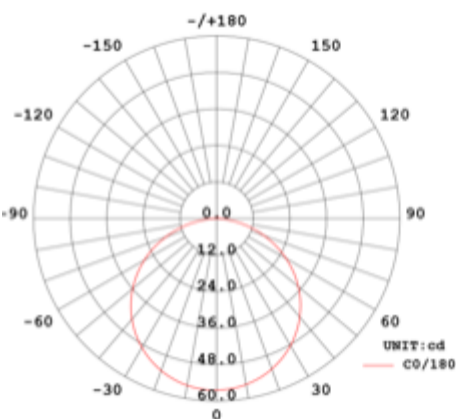
COLOUR CHARACTERISTICS

Correlated colour temperature (CCT)	4911K
Colour rendering index (CRI, Ra)	79.0
Chromaticity coordinates (CIE 1931 - x,y)	0.3499, 0.3753

COLOUR RENDERING INDEX

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
75	86	94	74	75	80	87	62	0	67	70	49	78	97	68

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



SPECTRAL RADIANT FLUX VERSUS WAVELENGTH

