



■ PRODUCT SPECIFICATION

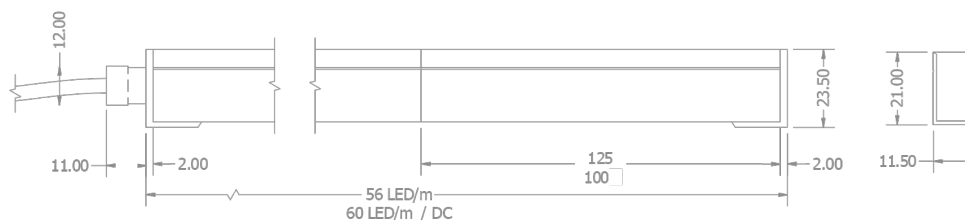
Dimension	L1000/W10mm
PCB increment	Power connection and cut point every 125mm
LED pitch	17.88mm
Chip	Epistar
Beam angle	160°
Colours	RGB + Warm White
Bin/step	3 Step MacAdam ellipse
CRI	45.1
Lifetime	50000hrs@45o°
Operating temp.	0 - 50°C
IP rating	IP68
Mounting	Aluminium profile / self locking aluminium 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	11.4W
Supply voltage	24V DC
Supply current	0.475A
Luminous flux	230.6Lm/M

TECHNICAL DRAWING



■ PRODUCT DETAILS

Product name	MAXI NEON PIXEL
Stated output	230.6lm per metre
Description	Flexible LED Neon, RGBW 2700K, 24V, 11.4W/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 (WDC)	11.4
Input Current (mA DC)	475mA

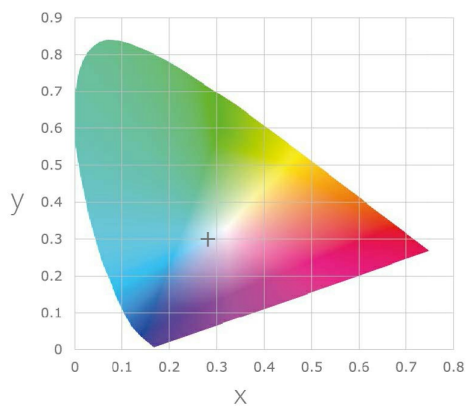
■ LIGHT OUTPUT

Total light output (Lumens)	230.6
Luminaire efficacy (lm/W)	20.23
Beam angle	160°

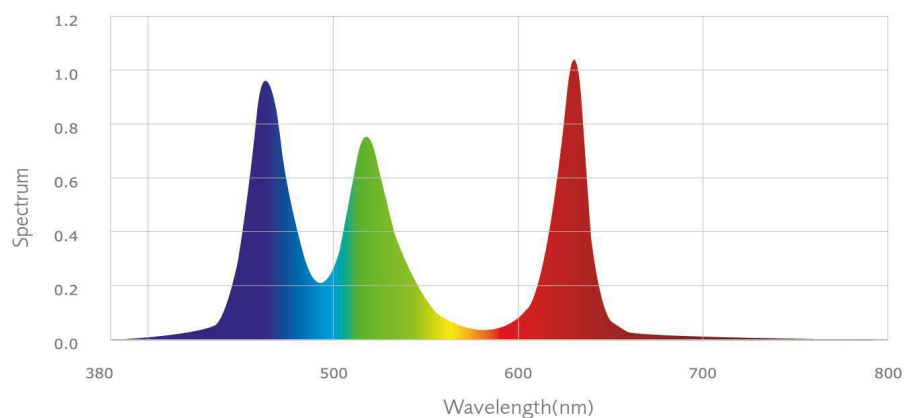
■ COLOUR CHARACTERISTICS

Correlated colour temperature (CCT)	9411K
Colour rendering index (CRI, Ra)	45.1
Chromaticity coordinates (CIE 1931 - x,y)	0.2783, 0.3050

CHROMATICITY DIAGRAM



SPECTRAL RADIANT FLUX VERSUS WAVELENGTH



■ PRODUCT DETAILS

Product name	MAXI NEON PIXEL
Stated output	54.98lm per metre
Description	Flexible LED Neon, RED, 24V, 3.4W/m
Quantity/length of product tested	1 x 1000
Bin tolerance/#. MacAdams ellipse of chip	-

■ ELECTRICAL CHARACTERISTICS

Input Voltage (V DC)	24
Input power (WDC)	3.4
Input Current (mA DC)	140mA

■ LIGHT OUTPUT

Total light output (Lumens)	54.98
Luminaire efficacy (lm/W)	16.17
Beam angle	160°

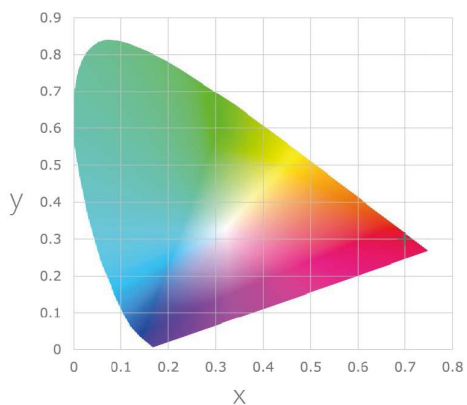
■ COLOUR CHARACTERISTICS

Correlated colour temperature (CCT)	1001K
Colour rendering index (CRI, Ra)	49.0
Chromaticity coordinates (CIE 1931 - x,y)	0.6936, 0.3062

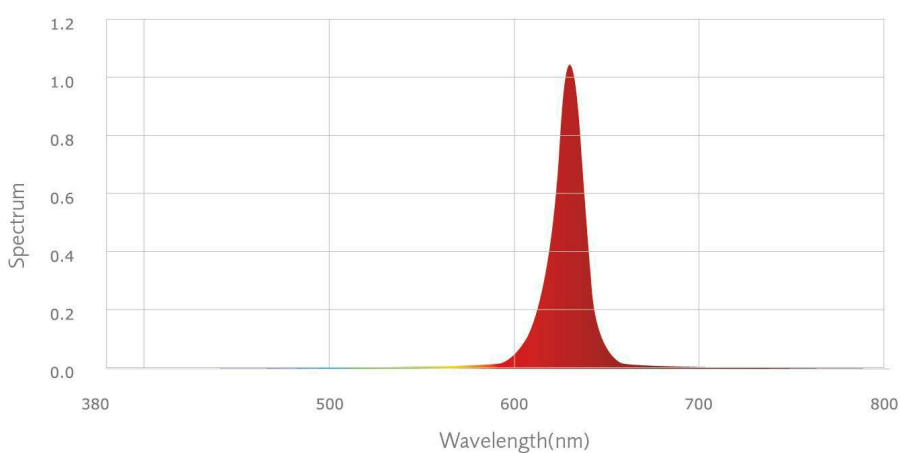
COLOUR RENDERING INDEX

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
6	78	30	0	1	89	5	0	0	71	0	79	29	59	0

CHROMATICITY DIAGRAM



SPECTRAL RADIANT FLUX VERSUS WAVELENGTH



■ PRODUCT DETAILS

Product name	MAXI NEON PIXEL
Stated output	141.51lm per metre
Description	Flexible LED Neon, GREEN, 24V, 3.4W/m
Quantity/length of product tested	1 x 1000
Bin tolerance/#. MacAdams ellipse of chip	-

■ ELECTRICAL CHARACTERISTICS

Input Voltage (V DC)	24
Input power (WDC)	3.4
Input Current (mA DC)	140mA

■ LIGHT OUTPUT

Total light output (Lumens)	141.51
Luminaire efficacy (lm/W)	41.62
Beam angle	160°

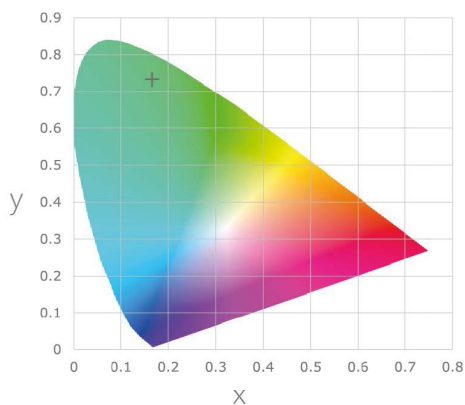
■ COLOUR CHARACTERISTICS

Correlated colour temperature (CCT)	7791K
Colour rendering index (CRI, Ra)	0.0
Chromaticity coordinates (CIE 1931 - x,y)	0.1702, 0.7304

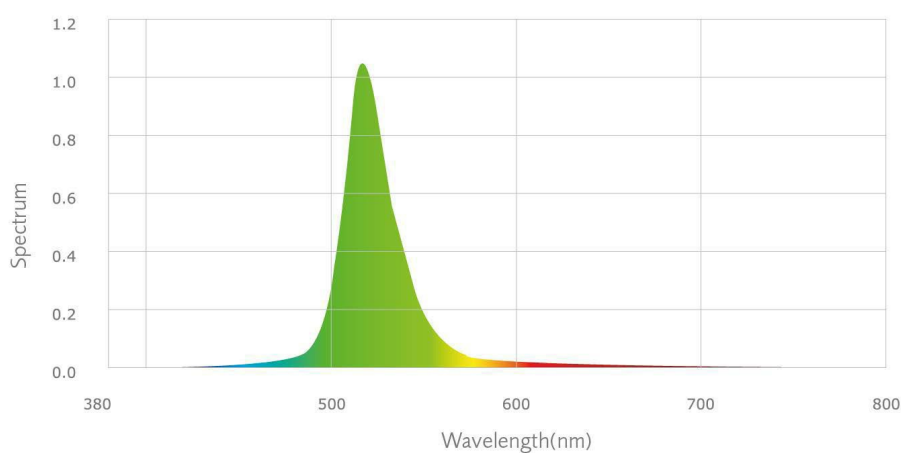
COLOUR RENDERING INDEX

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
0	0	0	0	0	0	0	0	0	0	0	0	0	33	0

CHROMATICITY DIAGRAM



SPECTRAL RADIANT FLUX VERSUS WAVELENGTH



■ PRODUCT DETAILS

Product name	MAXI NEON PIXEL
Stated output	27.04lm per metre
Description	Flexible LED Neon, BLUE, 24V, 3.4W/m
Quantity/length of product tested	1 x 1000
Bin tolerance/#. MacAdams ellipse of chip	-

■ ELECTRICAL CHARACTERISTICS

Input Voltage (V DC)	24
Input power (WDC)	3.4
Input Current (mA DC)	140mA

■ LIGHT OUTPUT

Total light output (Lumens)	27.04
Luminaire efficacy (lm/W)	7.95
Beam angle	160°

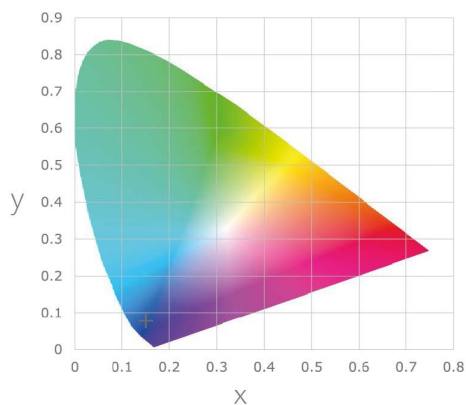
■ COLOUR CHARACTERISTICS

Correlated colour temperature (CCT)	100000K
Colour rendering index (CRI, Ra)	0.0
Chromaticity coordinates (CIE 1931 - x,y)	0.1769, 0.7255

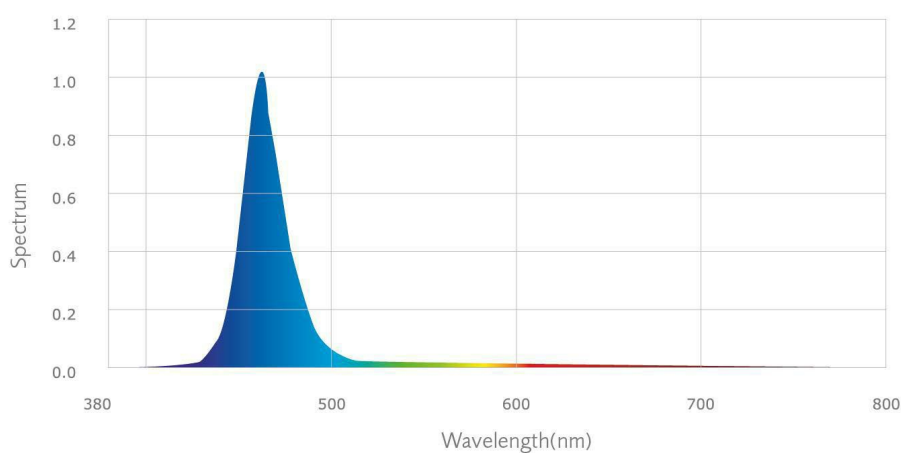
COLOUR RENDERING INDEX

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
55	0	0	0	59	0	0	0	0	0	0	0	27	0	46

CHROMATICITY DIAGRAM



SPECTRAL RADIANT FLUX VERSUS WAVELENGTH



■ PRODUCT DETAILS

Product name	MAXI NEON PIXEL
Stated output	130.24lm per metre
Description	Flexible LED Neon, WHITE, 24V, 3.4W/m
Quantity/length of product tested	1 x 1000
Bin tolerance/#. MacAdams ellipse of chip	-

■ ELECTRICAL CHARACTERISTICS

Input Voltage (V DC)	24
Input power (WDC)	3.4
Input Current (mA DC)	140mA

■ LIGHT OUTPUT

Total light output (Lumens)	130.24
Luminaire efficacy (lm/W)	38.31
Beam angle	160°

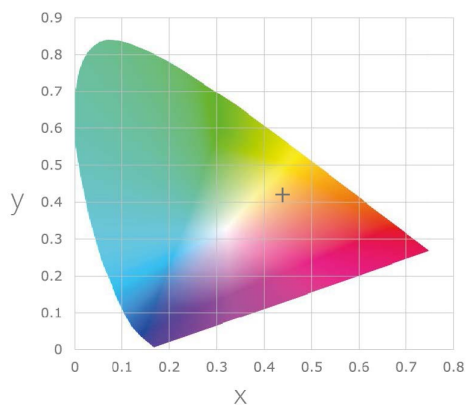
■ COLOUR CHARACTERISTICS

Correlated colour temperature (CCT)	2864K
Colour rendering index (CRI, Ra)	71.6
Chromaticity coordinates (CIE 1931 - x,y)	0.4518, 0.4167

COLOUR RENDERING INDEX

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
67	82	93	65	65	72	80	48	0	57	56	41	70	96	62

CHROMATICITY DIAGRAM



SPECTRAL RADIANT FLUX VERSUS WAVELENGTH

