

# MAXI NEON - RGBW 2700K

SPECIFICATION SHEET



## PRODUCT SPECIFICATION

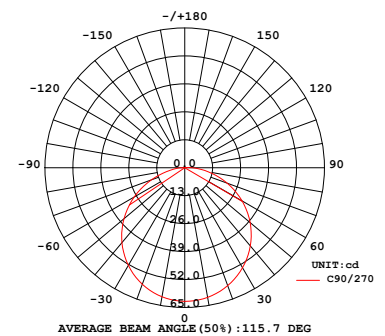
Dimension	H21/W11.5mm
PCB increment	Power connection and cut point every 100 mm
LED pitch	17.8 mm
Chip	Epistar
Beam angle	160°
Colours	RGBW
Bin/step	3 Step MacAdam ellipse
CRI	45.1
Lifetime	50,000 hours @ 45°
Operating temp.	- 20°C - 45°C
IP rating	IP68
Mounting	Aluminium profile / self locking aluminium profile
Minimum bend radius	60 mm
Connection	Hardwire tails or male/female connectors
Control	0-10V/DMX/DALI



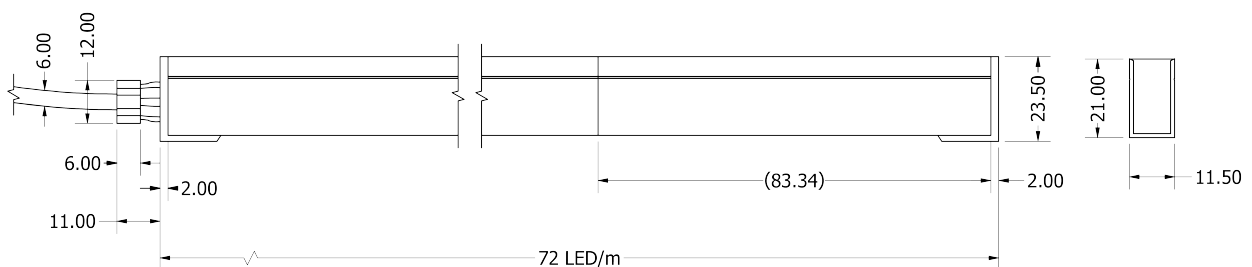
## PERFORMANCE DATA (for 1000mm)

Power consumption	11.37 W
Supply voltage	24V DC
Supply current	0.474 A
Luminous flux	230.59 lm/M

## LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



## TECHNICAL DRAWING



## PRODUCT DETAILS

Product name	MAXI NEON RGBW
Stated output	230.59 lm per metre
Description	Flexible LED Neon, 2700K, 24V, 11.37 W/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)	11.37
Input Current (mA DC)	474 mA

## LIGHT OUTPUT

Total light output (Lumens)	230.59
Luminaire efficacy (lm/W)	20.28
Beam angle	160°

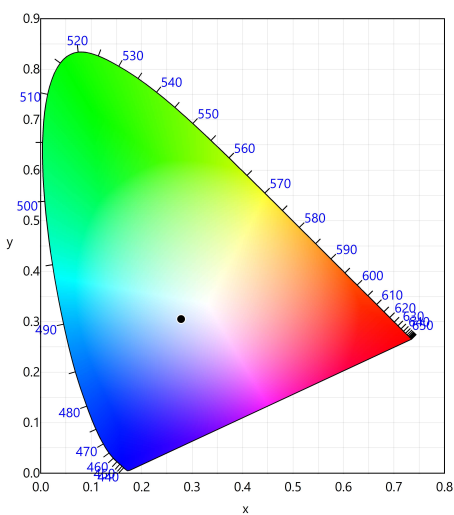
## COLOUR CHARACTERISTICS

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

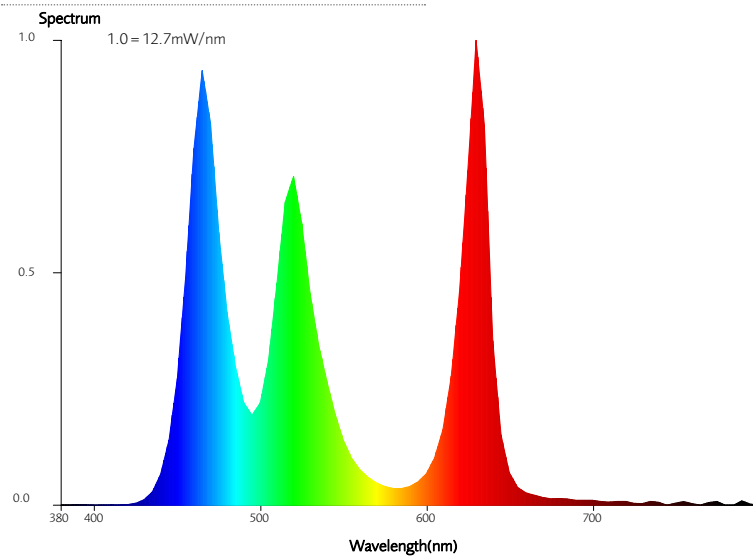
## COLOUR RENDERING INDEX

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
28	62	75	43	48	54	55	0	0	11	31	62	34	82	14

## CHROMACITY DIAGRAM



## SPECTRAL RADIANT FLUX VERSUS WAVELENGTH



# MAXI NEON - RGBW 4000K

SPECIFICATION SHEET



## PRODUCT SPECIFICATION

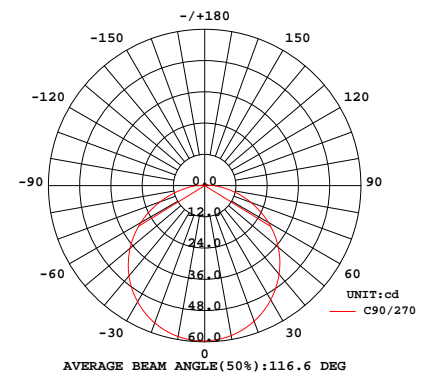
Dimension	H21/W11.5mm
PCB increment	Power connection and cut point every 100 mm
LED pitch	17.8 mm
Chip	Epistar
Beam angle	160°
Colours	RGBW
Bin/step	3 Step MacAdam ellipse
CRI	48.8
Lifetime	50,000 hours @ 45°
Operating temp.	-20°C - 45°C
IP rating	IP68
Mounting	Aluminium profile / self locking aluminium profile
Minimum bend radius	60 mm
Connection	Hardwire tails or male/female connectors
Control	0-10V/DMX/DALI



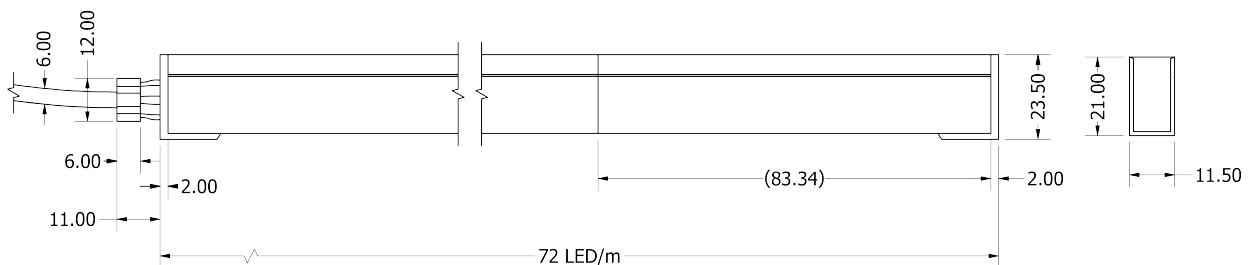
## PERFORMANCE DATA (for 1000mm)

Power consumption	11.26 W
Supply voltage	24V DC
Supply current	0.469 A
Luminous flux	219.21 lm/M

## LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



## TECHNICAL DRAWING



## PRODUCT DETAILS

Product name	MAXI NEON RGBW
Stated output	219.21lm per metre
Description	Flexible LED Neon, 4000K, 24V, 11.26 W/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)	11.26
Input Current (mA DC)	469 mA

## LIGHT OUTPUT

Total light output (Lumens)	219.21
Luminaire efficacy (lm/W)	19.46
Beam angle	160°

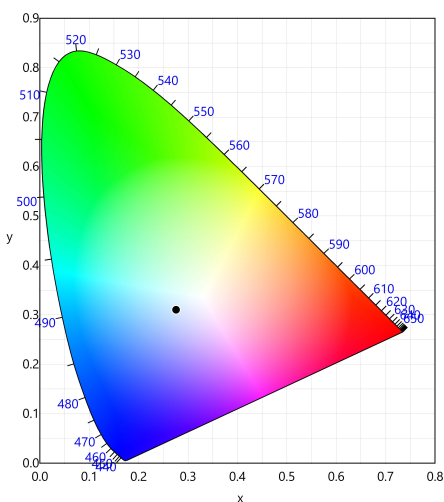
## COLOUR CHARACTERISTICS

Correlated colour temperature (CCT)	9418K
Colour rendering index (CRI, Ra)	48.8
Chromaticity coordinates (CIE 1931 - x,y)	0.2758, 0.3102

## COLOUR RENDERING INDEX

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
34	66	76	49	53	58	56	0	0	18	37	65	40	82	20

## CHROMACITY DIAGRAM



## SPECTRAL RADIANT FLUX VERSUS WAVELENGTH

