



## PRODUCT SPECIFICATION

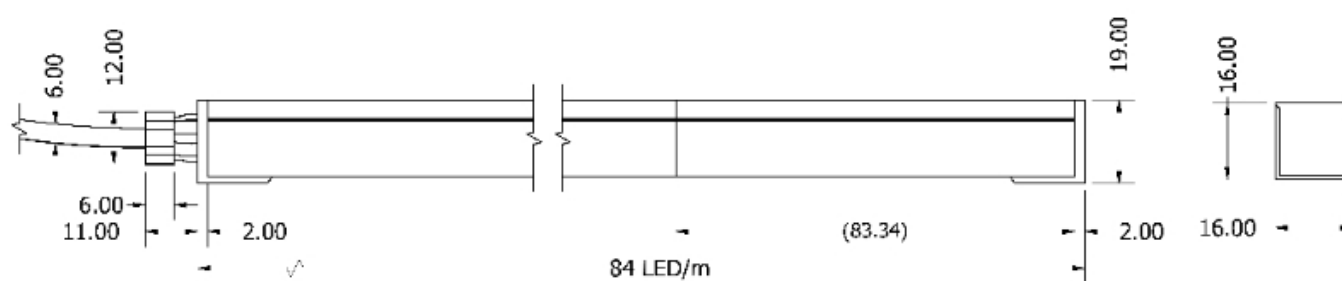
Dimension	H16/W16mm
PCB increment	Power connection and cut point every 55.56mm
LED pitch	9.26mm
Chip	Epistar
Beam angle	160°
Colours	White
Bin/step	3 Step MacAdam ellipse
CRI	82.2
Lifetime	50000hrs @45°
Operating temp.	-20 ~ 45°C
IP rating	IP68
Mounting	Aluminium profile / self locking aluminium profile
Minimum bend radius	150mm
Connection	Hardwire tails or male/female connectors
Control	0-10V/1-10V/DMX/DALI



## PERFORMANCE DATA (for 1000mm)

Power consumption	15W
Supply voltage	24V DC
Supply current	0.625A
Luminous flux	955.7Lm/M

## TECHNICAL DRAWING



## PRODUCT DETAILS

Product name	ULTIMO NEON TV HIGH LUMEN
Stated output	955.7lm per metre
Description	Flexible LED Neon, 2700K, 24V, 15W/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)	15
Input Current (mA DC)	625mA

## LIGHT OUTPUT

Total light output (Lumens)	955.7
Luminaire efficacy (lm/W)	63.71
Beam angle	160°

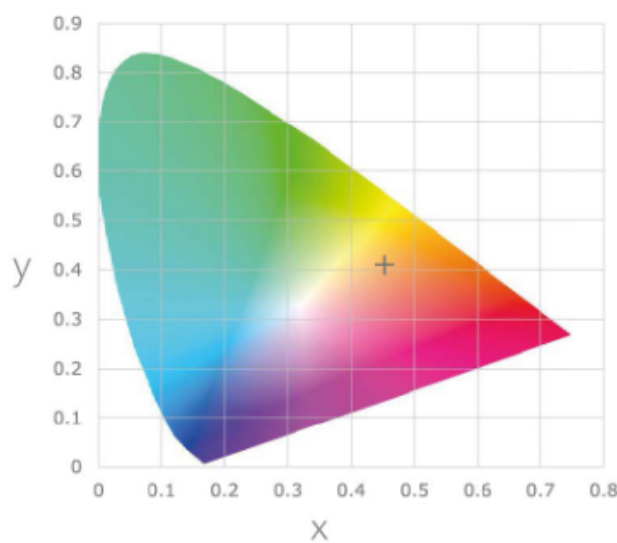
## COLOUR CHARACTERISTICS

Correlated colour temperature (CCT)	2804K
Colour rendering index (CRI, Ra)	82.2
Chromaticity coordinates (CIE 1931 - x,y)	0.4524, 0.4102

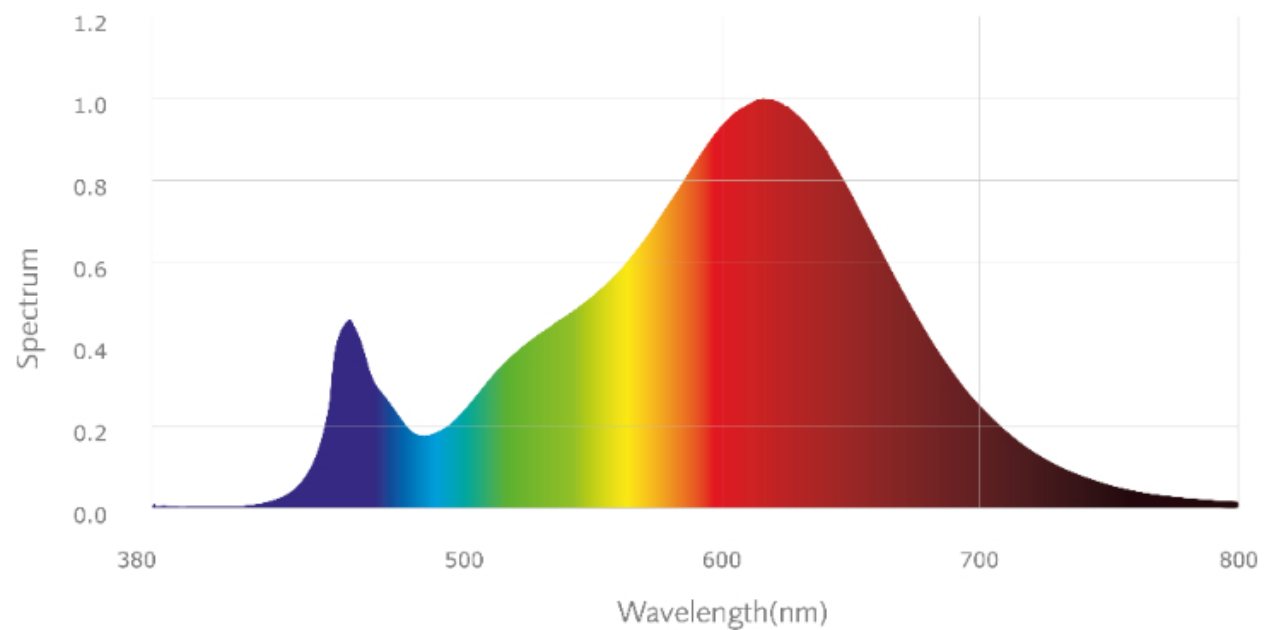
## COLOUR RENDERING INDEX

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
81	92	96	79	81	90	82	58	7	81	78	71	83	98	73

## CHROMATICITY DIAGRAM



## SPECTRAL RADIANT FLUX VERSUS WAVELENGTH



## PRODUCT DETAILS

Product name	ULTIMO NEON TV HIGH LUMEN
Stated output	230.59lm per metre
Description	Flexible LED Neon, RGB, 24V, 11.35W/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)	11.35
Input Current (mA DC)	473mA

## LIGHT OUTPUT

Total light output (Lumens)	230.59
Luminaire efficacy (lm/W)	20.32
Beam angle	160°

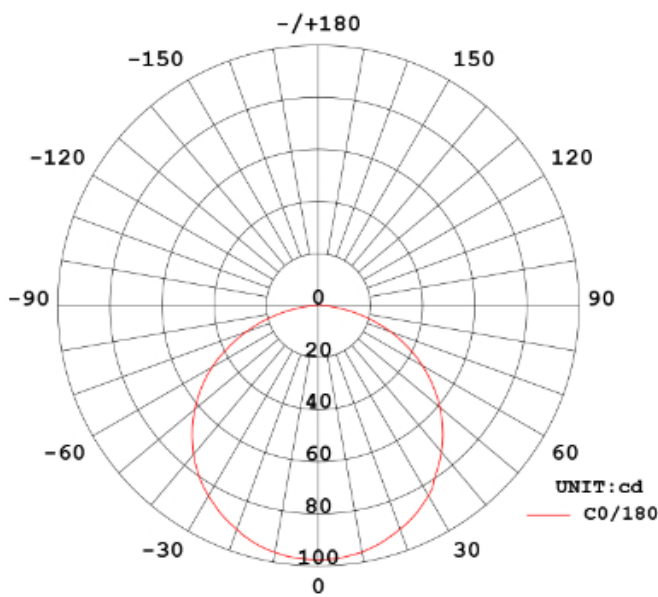
## COLOUR CHARACTERISTICS

Correlated colour temperature (CCT)	10029K
Colour rendering index (CRI, Ra)	38.9
Chromaticity coordinates (CIE 1931 - x,y)	0.2760, 0.2967

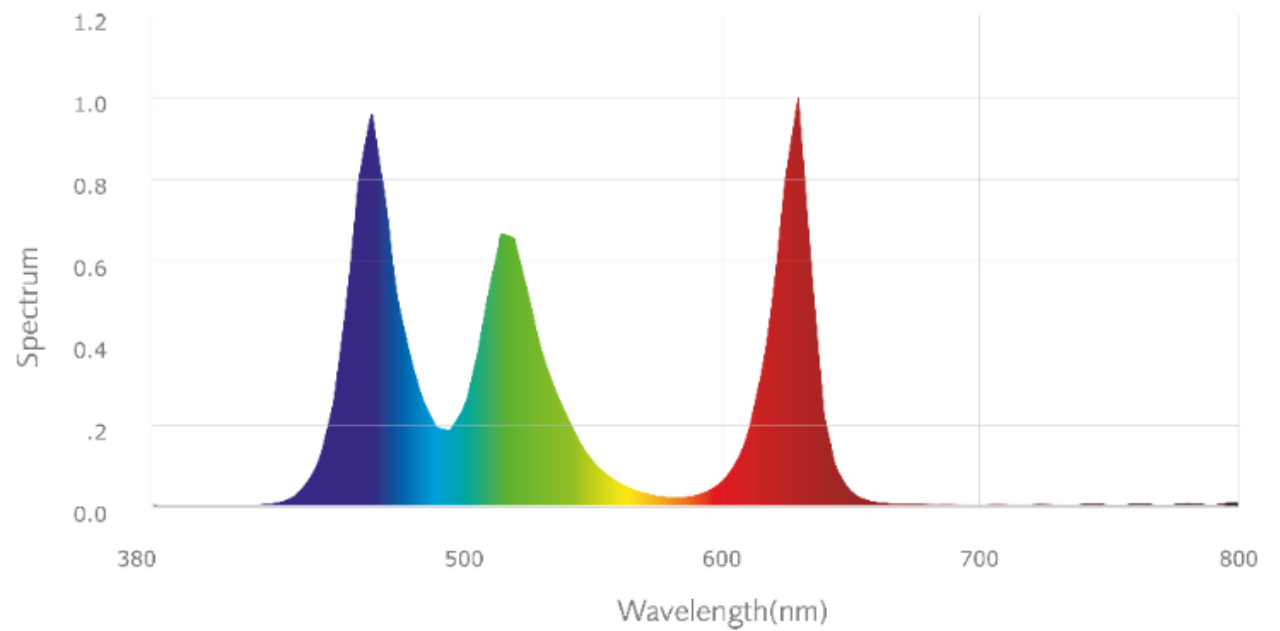
## COLOUR RENDERING INDEX

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
19	56	72	35	40	46	53	0	0	0	19	56	29	79	6

## LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



## SPECTRAL RADIANT FLUX VERSUS WAVELENGTH



## PRODUCT DETAILS

Product name	ULTIMO NEON TV HIGH LUMEN
Stated output	271.56lm per metre
Description	Flexible LED Neon, Green, 24V, 3.91W/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)	3.91
Input Current (mA DC)	163mA

## LIGHT OUTPUT

Total light output (Lumens)	271.56
Luminaire efficacy (lm/W)	69.45
Beam angle	160°

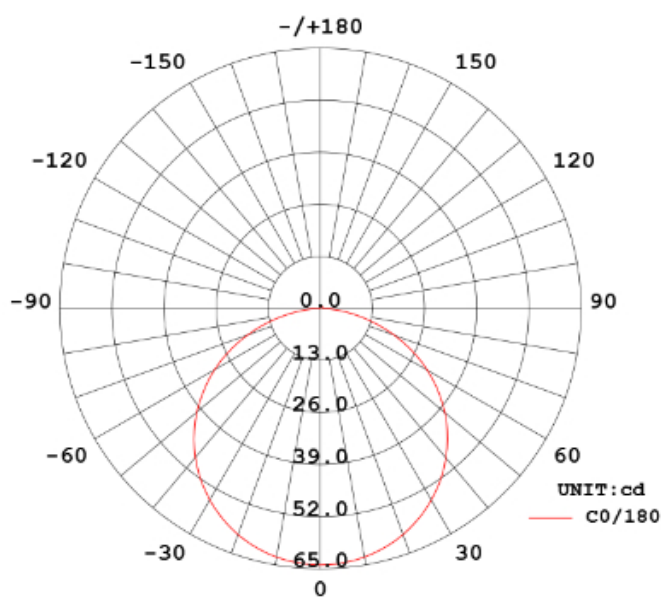
## COLOUR CHARACTERISTICS

Correlated colour temperature (CCT)	8145K
Colour rendering index (CRI, Ra)	0
Chromaticity coordinates (CIE 1931 - x,y)	0.1465, 0.7375

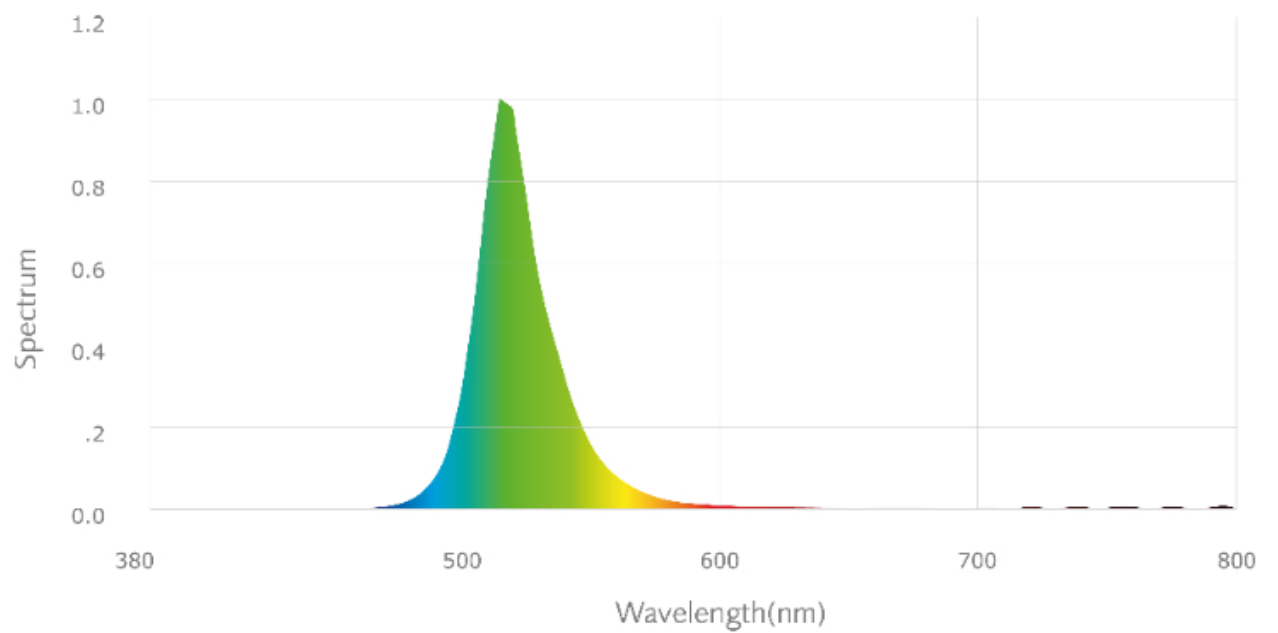
## COLOUR RENDERING INDEX

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	32	0

## LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



## SPECTRAL RADIANT FLUX VERSUS WAVELENGTH



# ULTIMO NEON TV HIGH LUMEN - BLUE

PHOTOMETRIC TEST REPORT

## PRODUCT DETAILS

Product name	ULTIMO NEON TV HIGH LUMEN
Stated output	40.25lm per metre
Description	Flexible LED Neon, Blue, 24V, 3.84W/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)	3.84
Input Current (mA DC)	160mA

## LIGHT OUTPUT

Total light output (Lumens)	40.25
Luminaire efficacy (lm/W)	10.48
Beam angle	160°

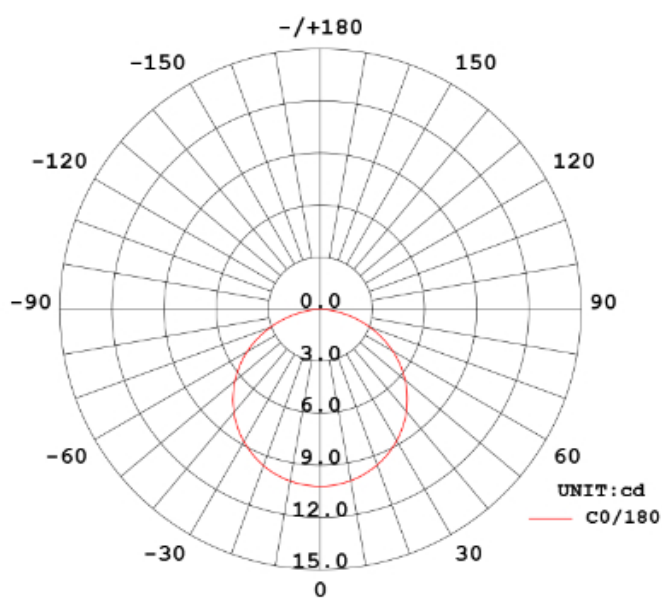
## COLOUR CHARACTERISTICS

Correlated colour temperature (CCT)	100000K
Colour rendering index (CRI, Ra)	0
Chromaticity coordinates (CIE 1931 - x,y)	0.1354, 0.0668

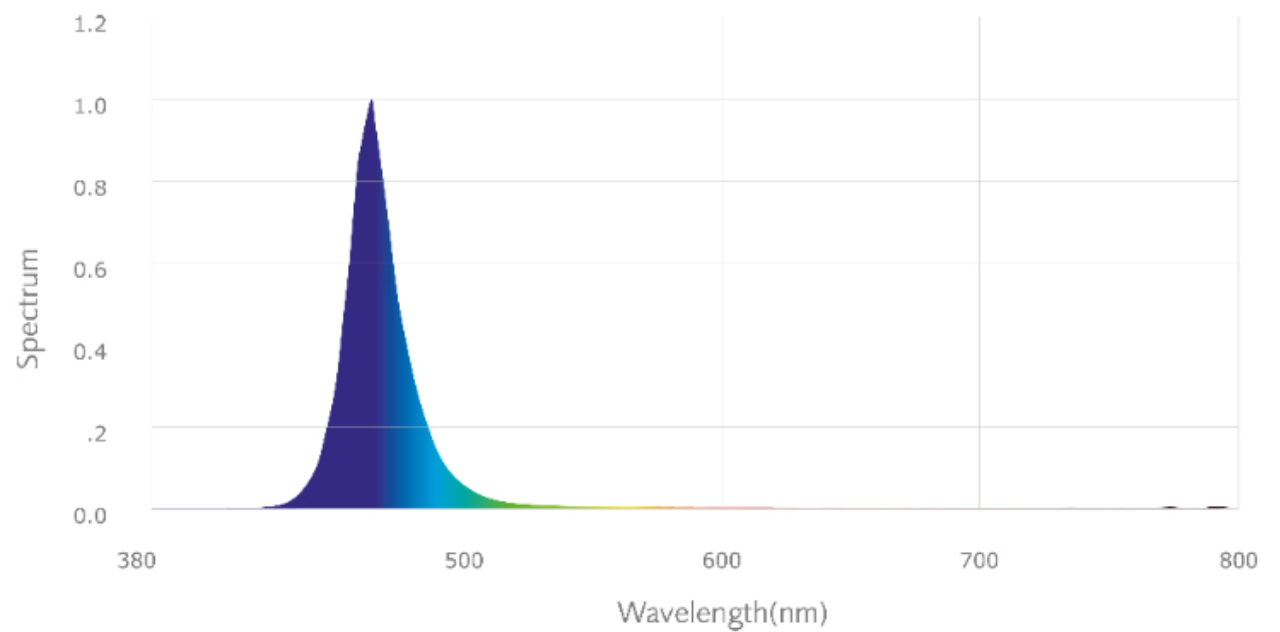
## COLOUR RENDERING INDEX

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
0	0	0	0	15	0	0	0	0	0	0	0	0	0	9

## LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



## SPECTRAL RADIANT FLUX VERSUS WAVELENGTH







## PRODUCT SPECIFICATION

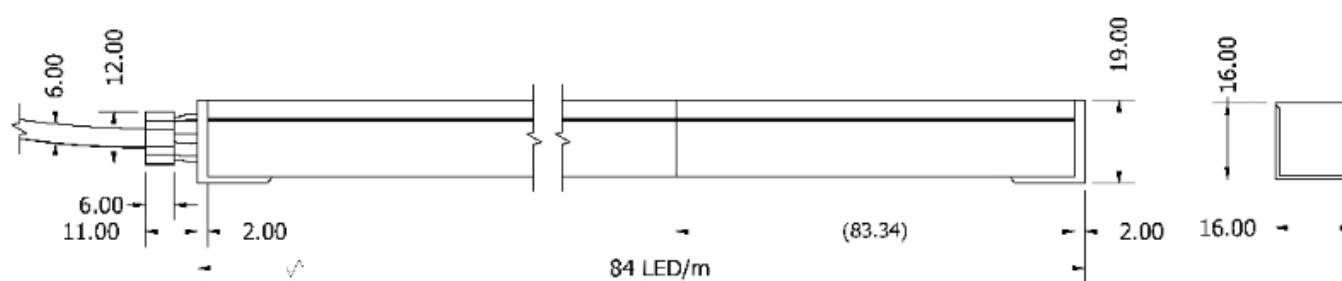
Dimension	H16/W16mm
PCB increment	Power connection and cut point every 55.56mm
LED pitch	9.26mm
Chip	Epistar
Beam angle	160°
Colours	White
Bin/step	3 Step MacAdam ellipse
CRI	71.7
Lifetime	50000hrs @45°
Operating temp.	-20 ~ 45°C
IP rating	IP68
Mounting	Aluminium profile / self locking aluminium profile
Minimum bend radius	150mm
Connection	Hardwire tails or male/female connectors
Control	0-10V/1-10V/DMX/DALI



## PERFORMANCE DATA (for 1000mm)

Power consumption	14.88W
Supply voltage	24V DC
Supply current	0.62A
Luminous flux	1035.2Lm/M

## TECHNICAL DRAWING



## PRODUCT DETAILS

Product name	ULTIMO NEON TV HIGH LUMEN
Stated output	1035.2lm per metre
Description	Flexible LED Neon, 3000K, 24V, 14.88W/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)	14.88
Input Current (mA DC)	620mA

## LIGHT OUTPUT

Total light output (Lumens)	1035.2
Luminaire efficacy (lm/W)	69.57
Beam angle	160°

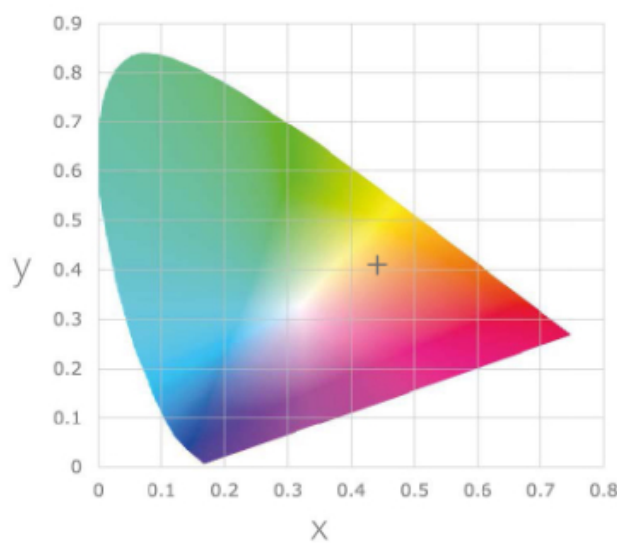
## COLOUR CHARACTERISTICS

Correlated colour temperature (CCT)	3011K
Colour rendering index (CRI, Ra)	71.7
Chromaticity coordinates (CIE 1931 - x,y)	0.4389, 0.4094

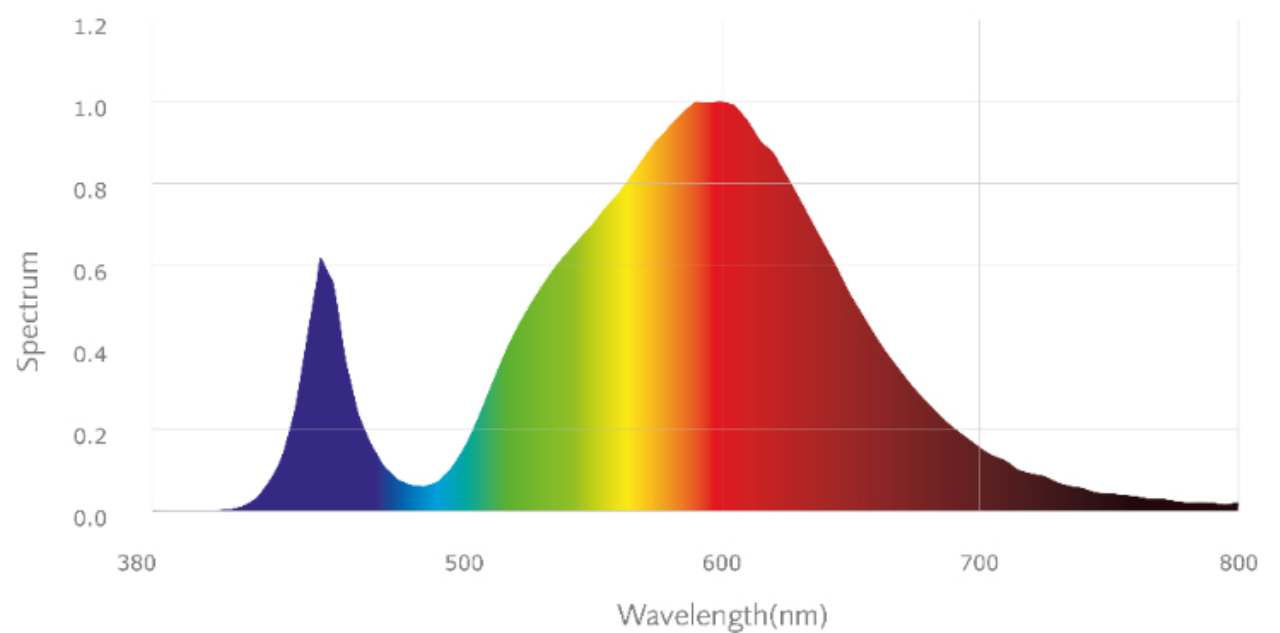
## COLOUR RENDERING INDEX

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
69	79	88	70	67	70	80	50	0	51	64	40	70	93	63

## CHROMATICITY DIAGRAM



## SPECTRAL RADIANT FLUX VERSUS WAVELENGTH





## PRODUCT DETAILS

Product name	ULTIMO NEON TV HIGH LUMEN
Stated output	230.59lm per metre
Description	Flexible LED Neon, RGB, 24V, 11.35W/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)	11.35
Input Current (mA DC)	473mA

## LIGHT OUTPUT

Total light output (Lumens)	230.59
Luminaire efficacy (lm/W)	20.32
Beam angle	160°

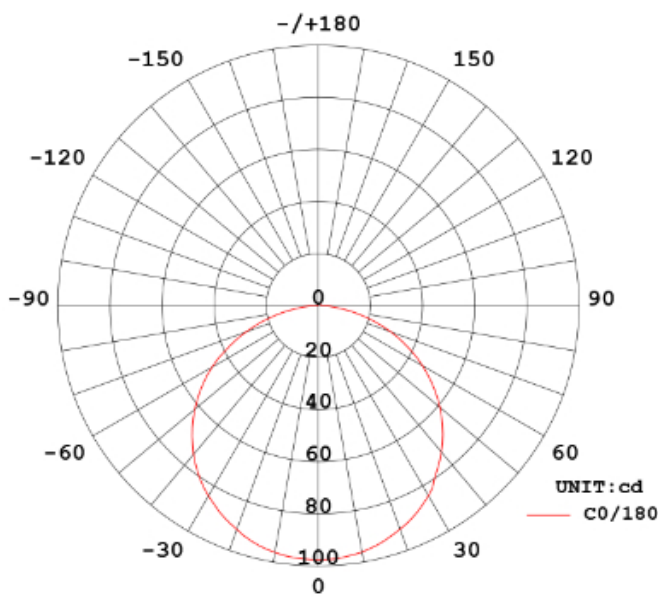
## COLOUR CHARACTERISTICS

Correlated colour temperature (CCT)	10029K
Colour rendering index (CRI, Ra)	38.9
Chromaticity coordinates (CIE 1931 - x,y)	0.2760, 0.2967

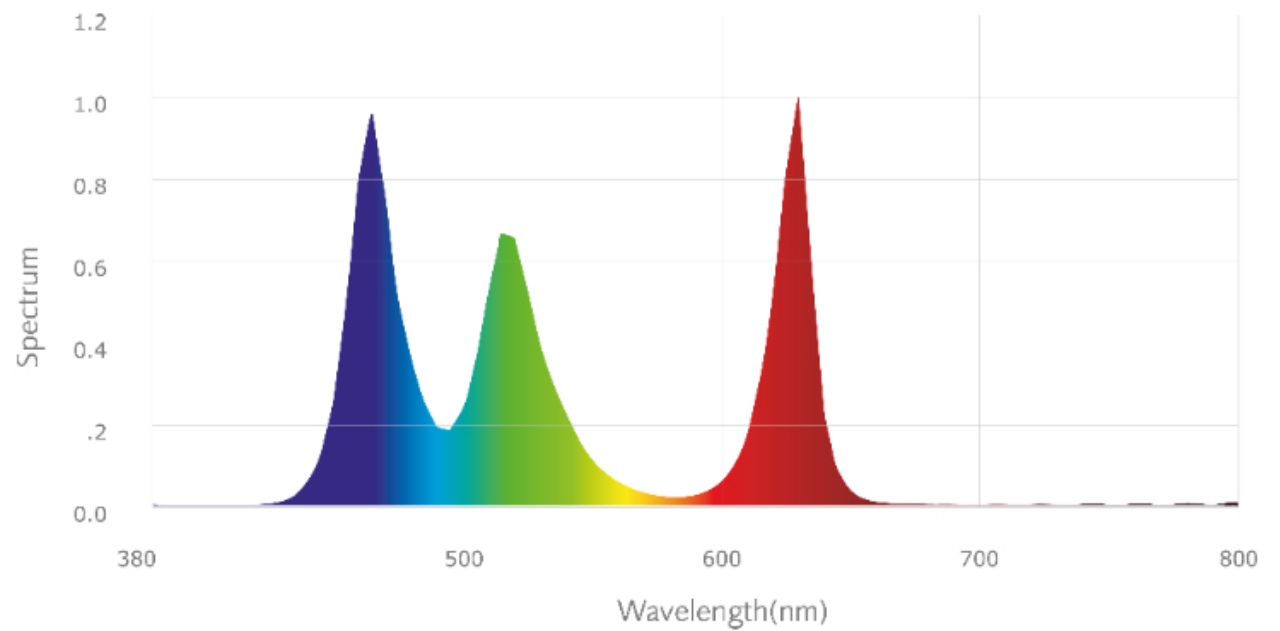
## COLOUR RENDERING INDEX

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
19	56	72	35	40	46	53	0	0	0	19	56	29	79	6

## LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



## SPECTRAL RADIANT FLUX VERSUS WAVELENGTH



## PRODUCT DETAILS

Product name	ULTIMO NEON TV HIGH LUMEN
Stated output	271.56lm per metre
Description	Flexible LED Neon, Green, 24V, 3.91W/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)	3.91
Input Current (mA DC)	163mA

## LIGHT OUTPUT

Total light output (Lumens)	271.56
Luminaire efficacy (lm/W)	69.45
Beam angle	160°

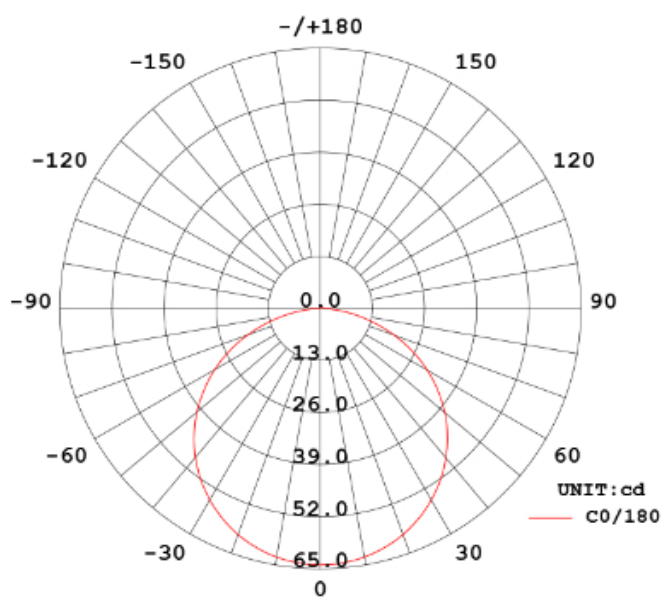
## COLOUR CHARACTERISTICS

Correlated colour temperature (CCT)	8145K
Colour rendering index (CRI, Ra)	0
Chromaticity coordinates (CIE 1931 - x,y)	0.1465, 0.7375

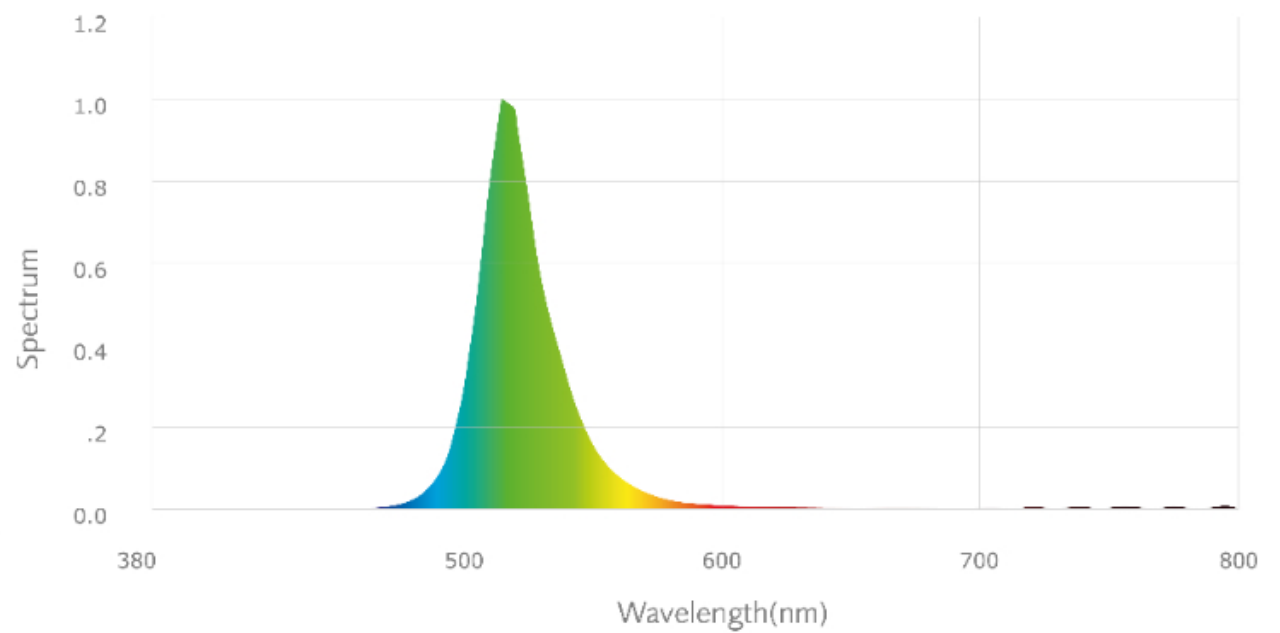
## COLOUR RENDERING INDEX

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	32	0

## LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



## SPECTRAL RADIANT FLUX VERSUS WAVELENGTH



# ULTIMO NEON TV HIGH LUMEN - BLUE

PHOTOMETRIC TEST REPORT

## PRODUCT DETAILS

Product name	ULTIMO NEON TV HIGH LUMEN
Stated output	40.25lm per metre
Description	Flexible LED Neon, Blue, 24V, 3.84W/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)	3.84
Input Current (mA DC)	160mA

## LIGHT OUTPUT

Total light output (Lumens)	40.25
Luminaire efficacy (lm/W)	10.48
Beam angle	160°

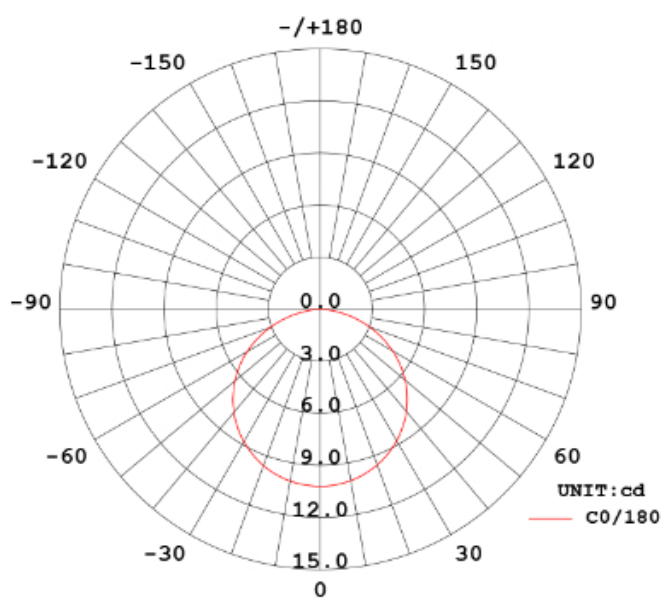
## COLOUR CHARACTERISTICS

Correlated colour temperature (CCT)	100000K
Colour rendering index (CRI, Ra)	0
Chromaticity coordinates (CIE 1931 - x,y)	0.1354, 0.0668

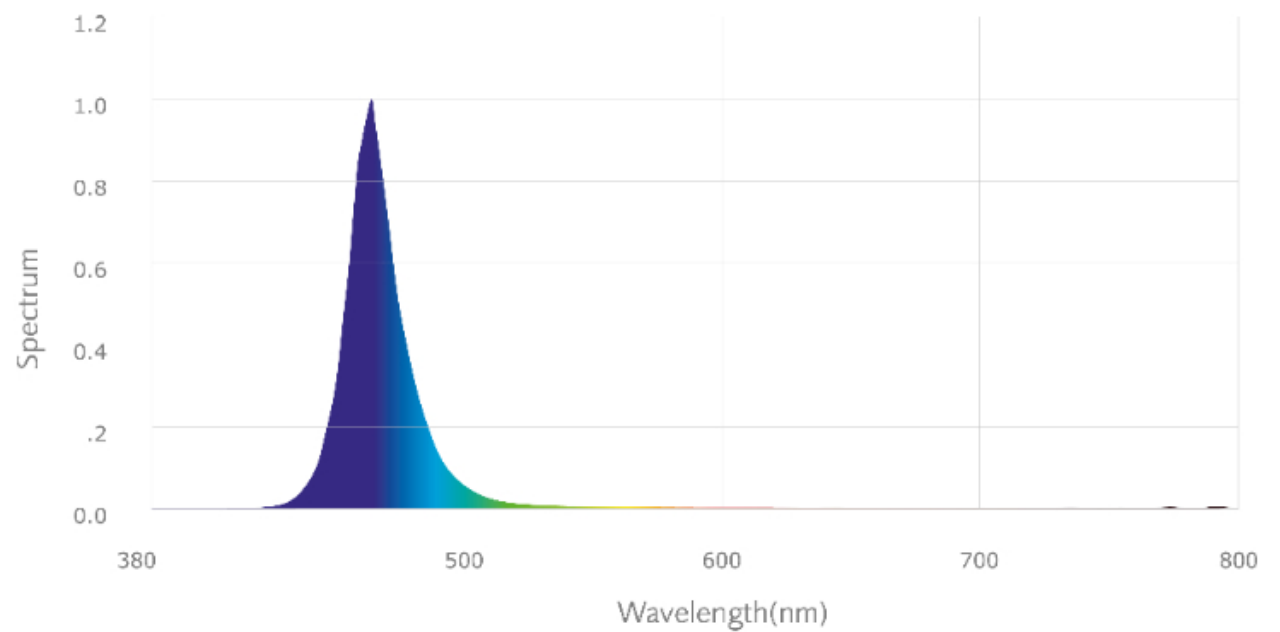
## COLOUR RENDERING INDEX

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
0	0	0	0	15	0	0	0	0	0	0	0	0	0	9

## LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



## SPECTRAL RADIANT FLUX VERSUS WAVELENGTH







## PRODUCT SPECIFICATION

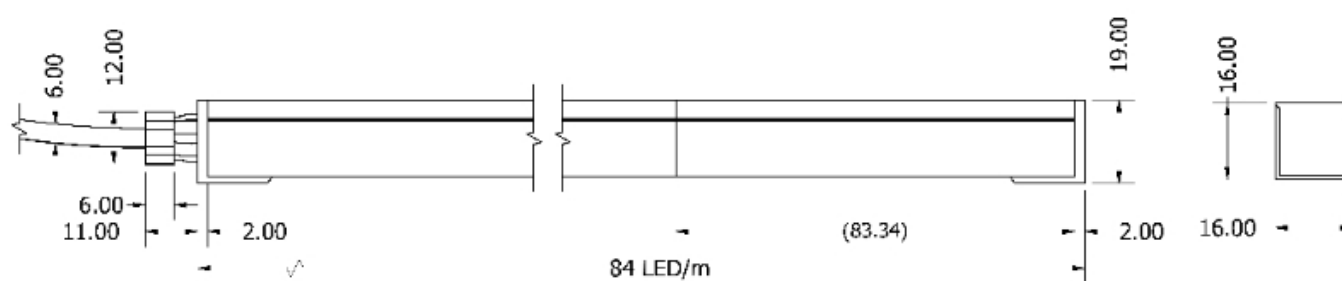
Dimension	H16/W16mm
PCB increment	Power connection and cut point every 55.56mm
LED pitch	9.26mm
Chip	Epistar
Beam angle	160°
Colours	White
Bin/step	3 Step MacAdam ellipse
CRI	71.5
Lifetime	50000hrs @45°
Operating temp.	-20 ~ 45°C
IP rating	IP68
Mounting	Aluminium profile / self locking aluminium profile
Minimum bend radius	150mm
Connection	Hardwire tails or male/female connectors
Control	0-10V/1-10V/DMX/DALI



## PERFORMANCE DATA (for 1000mm)

Power consumption	14.88W
Supply voltage	24V DC
Supply current	0.62A
Luminous flux	1020.6Lm/M

## TECHNICAL DRAWING



## PRODUCT DETAILS

Product name	ULTIMO NEON TV HIGH LUMEN
Stated output	1020.6lm per metre
Description	Flexible LED Neon, 4000K, 24V, 14.88W/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)	14.88
Input Current (mA DC)	620mA

## LIGHT OUTPUT

Total light output (Lumens)	1020.6
Luminaire efficacy (lm/W)	68.59
Beam angle	160°

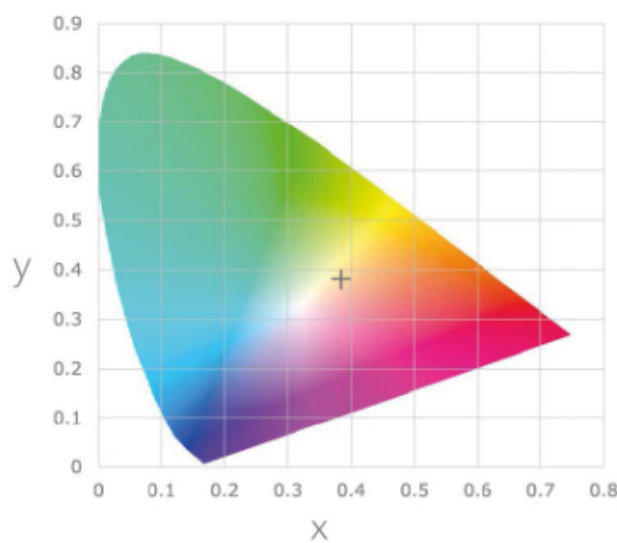
## COLOUR CHARACTERISTICS

Correlated colour temperature (CCT)	3983K
Colour rendering index (CRI, Ra)	71.5
Chromaticity coordinates (CIE 1931 - x,y)	0.3847, 0.3901

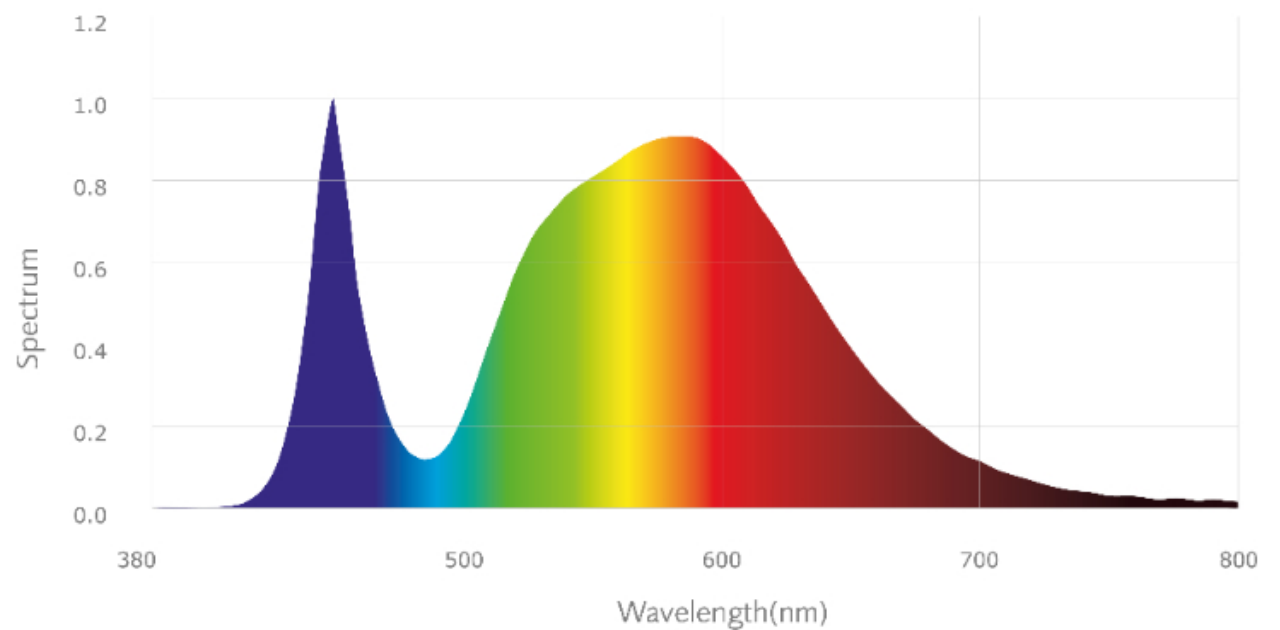
## COLOUR RENDERING INDEX

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
68	78	85	70	67	68	83	3	0	47	65	35	70	91	62

## CHROMATICITY DIAGRAM



## SPECTRAL RADIANT FLUX VERSUS WAVELENGTH



## PRODUCT DETAILS

Product name	ULTIMO NEON TV HIGH LUMEN
Stated output	230.59lm per metre
Description	Flexible LED Neon, RGB, 24V, 11.35W/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)	11.35
Input Current (mA DC)	473mA

## LIGHT OUTPUT

Total light output (Lumens)	230.59
Luminaire efficacy (lm/W)	20.32
Beam angle	160°

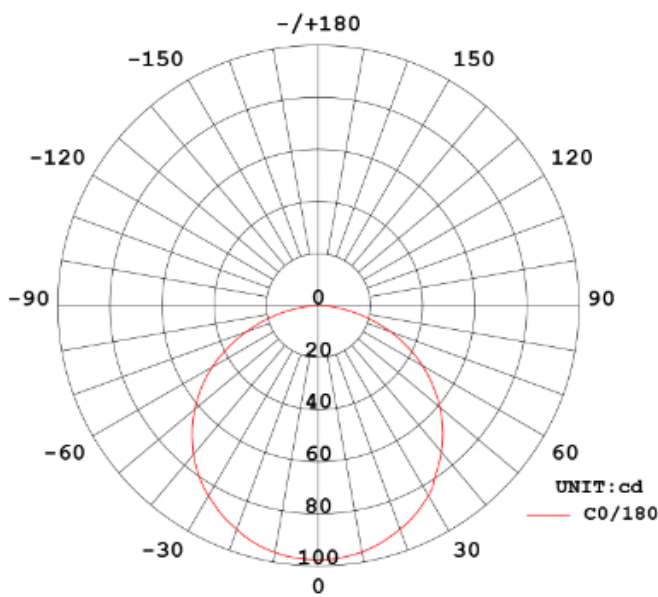
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Correlated colour temperature (CCT)	10029K
Colour rendering index (CRI, Ra)	38.9
Chromaticity coordinates (CIE 1931 - x,y)	0.2760, 0.2967

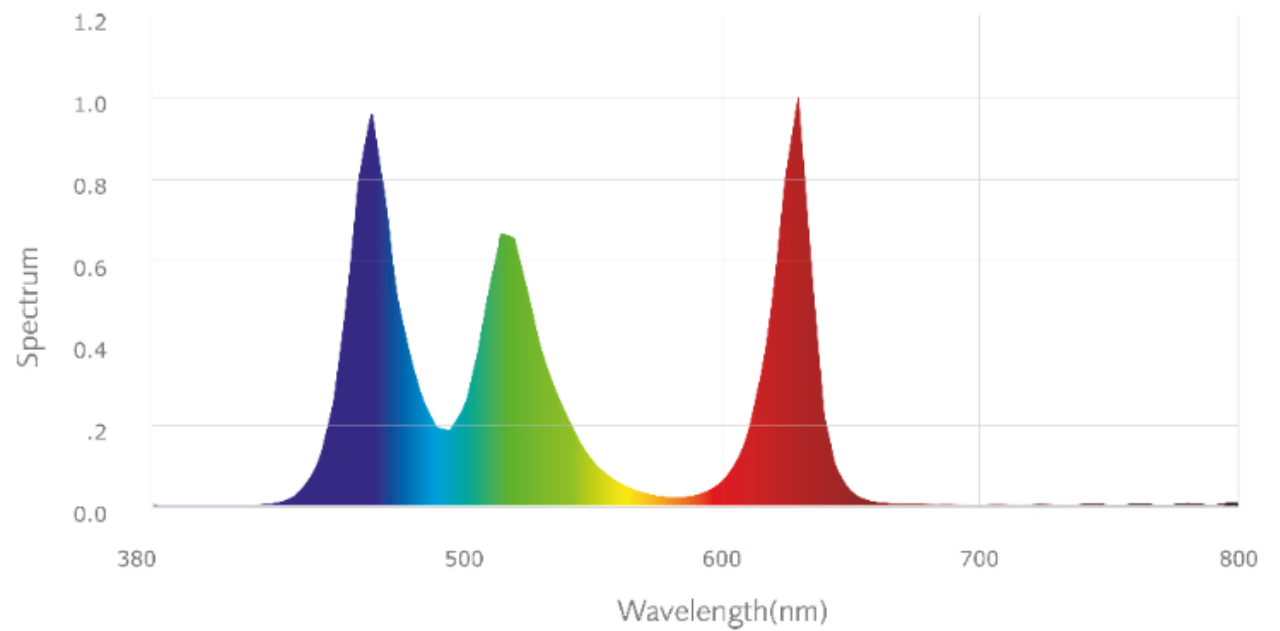
## COLOUR RENDERING INDEX

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
19	56	72	35	40	46	53	0	0	0	19	56	29	79	6

## LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



## SPECTRAL RADIANT FLUX VERSUS WAVELENGTH



## PRODUCT DETAILS

Product name	ULTIMO NEON TV HIGH LUMEN
Stated output	271.56lm per metre
Description	Flexible LED Neon, Green, 24V, 3.91W/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)	3.91
Input Current (mA DC)	163mA

## LIGHT OUTPUT

Total light output (Lumens)	271.56
Luminaire efficacy (lm/W)	69.45
Beam angle	160°

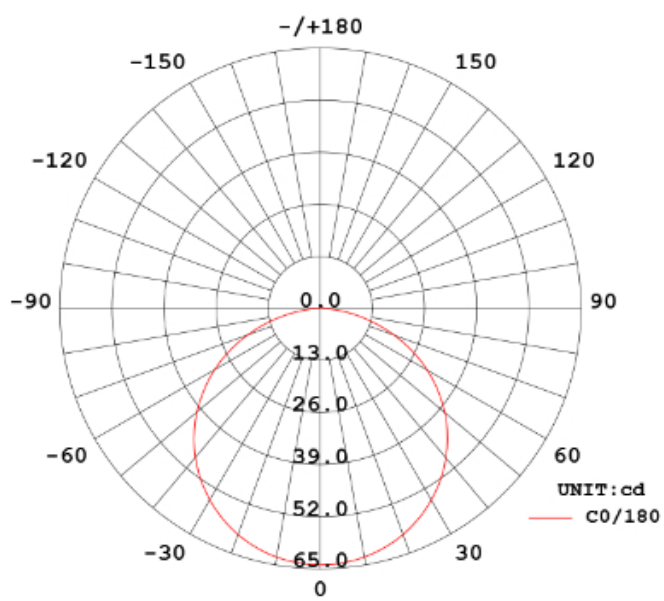
## COLOUR CHARACTERISTICS

Correlated colour temperature (CCT)	8145K
Colour rendering index (CRI, Ra)	0
Chromaticity coordinates (CIE 1931 - x,y)	0.1465, 0.7375

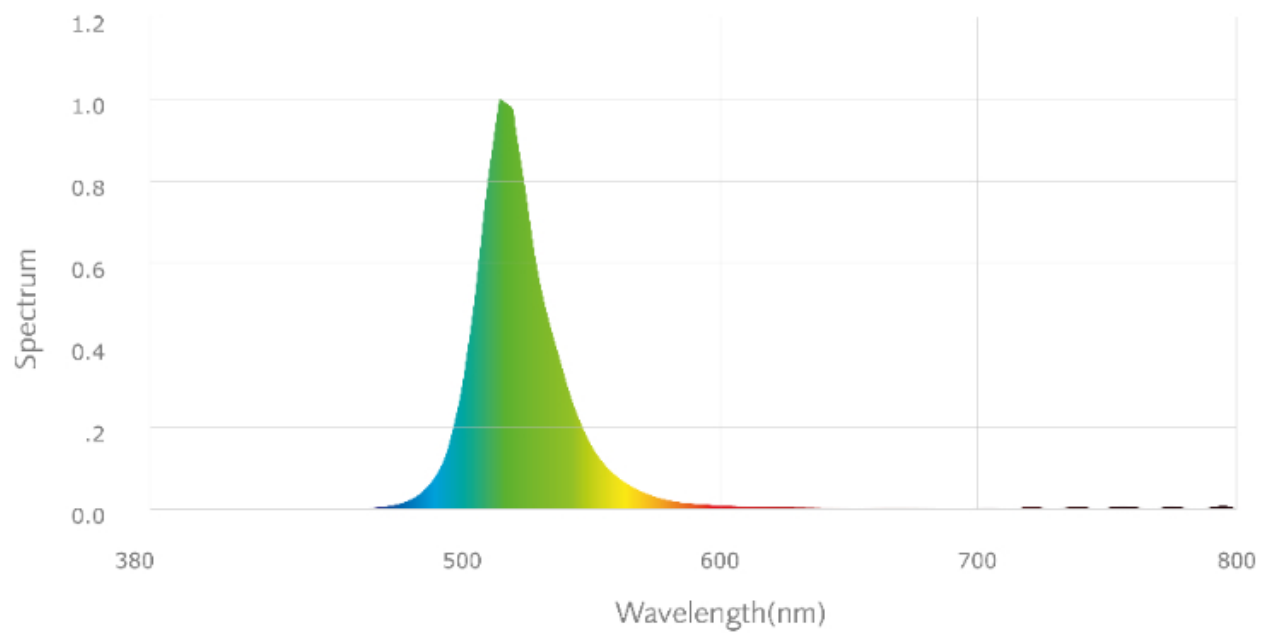
## COLOUR RENDERING INDEX

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	32	0

## LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



## SPECTRAL RADIANT FLUX VERSUS WAVELENGTH





# ULTIMO NEON TV HIGH LUMEN - BLUE

PHOTOMETRIC TEST REPORT

## PRODUCT DETAILS

Product name	ULTIMO NEON TV HIGH LUMEN
Stated output	40.25lm per metre
Description	Flexible LED Neon, Blue, 24V, 3.84W/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)	3.84
Input Current (mA DC)	160mA

## LIGHT OUTPUT

Total light output (Lumens)	40.25
Luminaire efficacy (lm/W)	10.48
Beam angle	160°

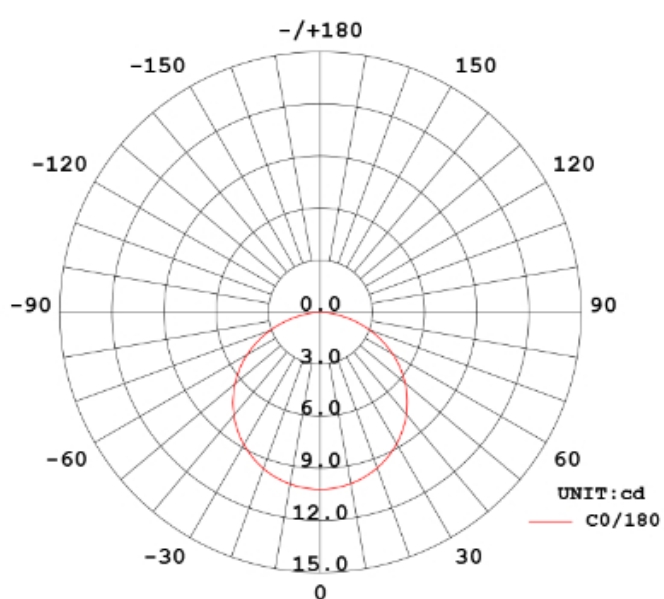
## COLOUR CHARACTERISTICS

Correlated colour temperature (CCT)	100000K
Colour rendering index (CRI, Ra)	0
Chromaticity coordinates (CIE 1931 - x,y)	0.1354, 0.0668

## COLOUR RENDERING INDEX

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
0	0	0	0	15	0	0	0	0	0	0	0	0	0	9

## LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



## SPECTRAL RADIANT FLUX VERSUS WAVELENGTH

