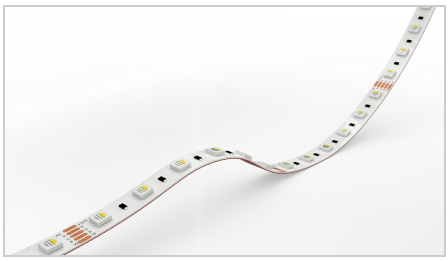
RGBW SOLO - CHIP 6000K

IP20 | IP67 | POWER SUPPLIES | CABLES | PROFILES | CONNECTORS | PCB COLOUR | 17.2 W/M | 969.3 Lm/M | CE | RoHS COMPLIANT

PRODUCT SPECIFICATION

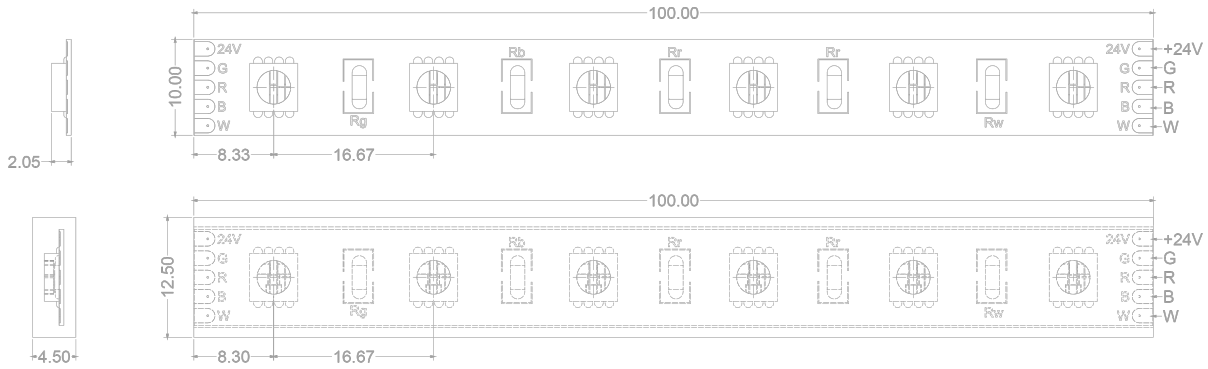
Dimension	L5000/W10mm
PCB increment	Power connection and cut point every 100mm
LED pitch	16.67mm
Chip	Epistar
Beam angle	120°
Colours	RGBW
Bin/step	3 Step MacAdam ellipse
CRI	94.0
Lifetime	50000hrs @45°C
Operating temp.	0 - 50°C
IP rating	IP68
Mounting	3M adhesive tape
Minimum bend radius	10mm
Connection	Hardwire tails or male/female connectors
Control	0-10V/1-10V/DMX/DALI



PERFORMANCE DATA (for 1000mm)

Power consumption	17.2W
Supply voltage	24V DC
Supply current	0.717A
Luminous flux	969.3Lm/M

TECHNICAL DRAWING



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RGBW SOLO - CHIP 6000K

PHOTOMETRIC TEST REPORT

PRODUCT DETAILS

Product name	RGBW SOLO CHIP
Stated output	969.3lm per metre
Description	Flexible LED Neon, 6000K, 24V, 17.2W/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)	17.2
Input Current (mA DC)	717mA

LIGHT OUTPUT

Total light output (Lumens)	969.3
Luminaire efficacy (lm/W)	56.35
Beam angle	120°

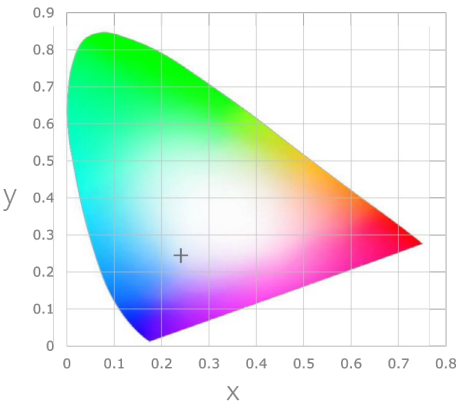
COLOUR CHARACTERISTICS

Correlated colour temperature (CCT)	12230K
Colour rendering index (CRI, Ra)	94.0
Chromaticity coordinates (CIE 1931 - x,y)	0.2690, 0.2797

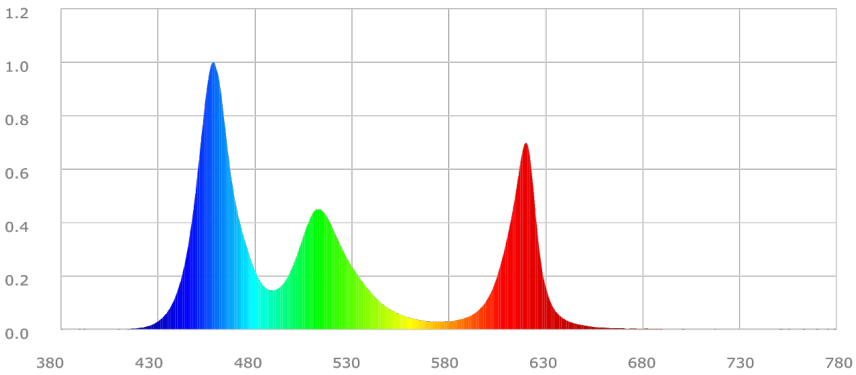
COLOUR RENDERING INDEX

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
62	81	88	71	74	83	76	44	-74	61	68	61	65	89	50

CHROMATICITY DIAGRAM



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RGBW SOLO - RGB 6000K

PHOTOMETRIC TEST REPORT

PRODUCT DETAILS

Product name	RGBW SOLO CHIP
Stated output	575.6lm per metre
Description	Flexible LED Tape, RGB 6000K, 24V, 12.96W/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)	12.96
Input Current (mA DC)	540mA

LIGHT OUTPUT

Total light output (Lumens)	575.6
Luminaire efficacy (lm/W)	44.41
Beam angle	120°

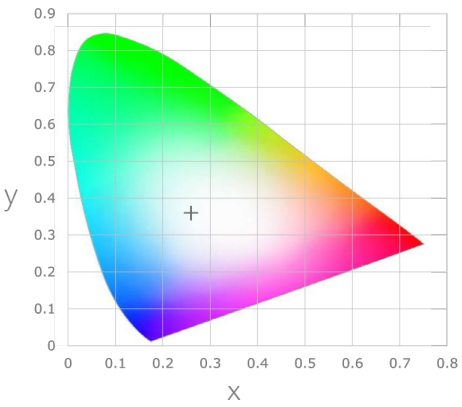
COLOUR CHARACTERISTICS

Correlated colour temperature (CCT)	26840K
Colour rendering index (CRI, Ra)	49.0
Chromaticity coordinates (CIE 1931 - x,y)	0.2486, 0.2535

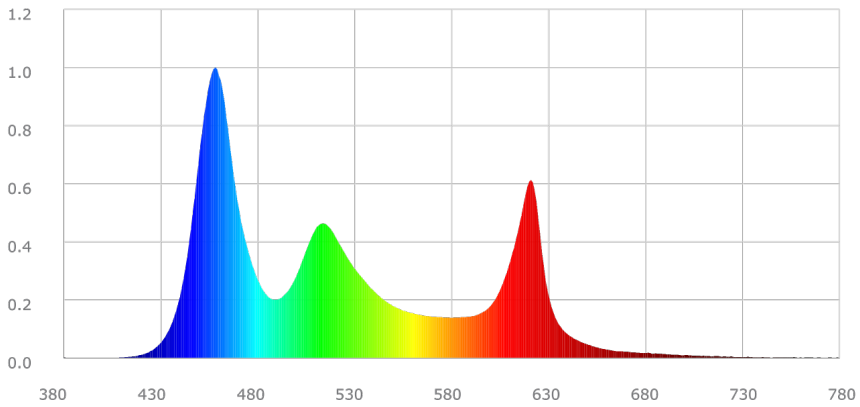
COLOUR RENDERING INDEX

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
31	63	76	48	54	65	58	-1	-22	18	38	60	36	81	9

CHROMATICITY DIAGRAM



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RGBW SOLO - RED 6000K

PHOTOMETRIC TEST REPORT

PRODUCT DETAILS

Product name	RGBW SOLO CHIP
Stated output	127.8lm per metre
Description	Flexible LED Tape, RED 6000K, 24V, 4.29W/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)	4.29
Input Current (mA DC)	179mA

LIGHT OUTPUT

Total light output (Lumens)	127.8
Luminaire efficacy (lm/W)	29.79
Beam angle	120°

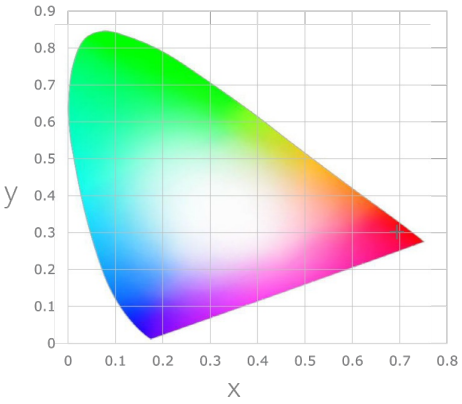
COLOUR CHARACTERISTICS

Correlated colour temperature (CCT)	1000K
Colour rendering index (CRI, Ra)	16.0
Chromaticity coordinates (CIE 1931 - x,y)	0.6928, 0.3048

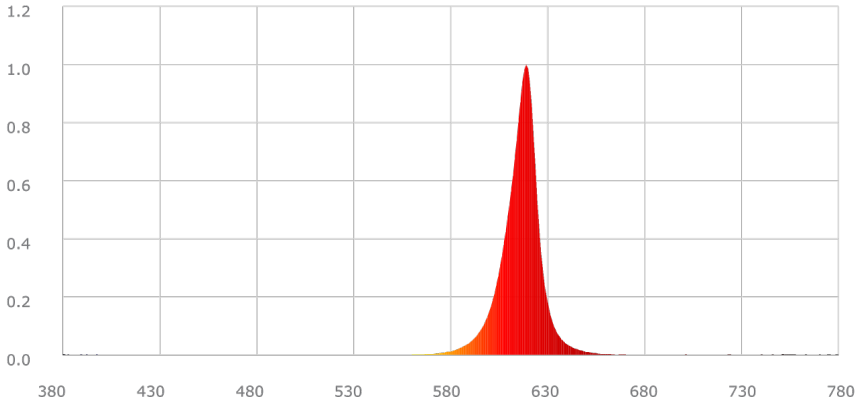
COLOUR RENDERING INDEX

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
7	77	33	-20	7	93	1	-69	-22	71	-7	78	29	62	-32

CHROMATICITY DIAGRAM



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RGBW SOLO - GREEN 6000K

PHOTOMETRIC TEST REPORT

PRODUCT DETAILS

Product name	RGBW SOLO CHIP
Stated output	367.7lm per metre
Description	Flexible LED Tape, GREEN 6000K, 24V, 4.46W/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)	4.46
Input Current (mA DC)	186mA

LIGHT OUTPUT

Total light output (Lumens)	367.7
Luminaire efficacy (lm/W)	82.44
Beam angle	160°

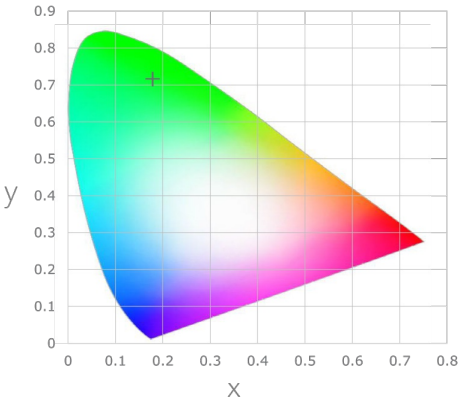
COLOUR CHARACTERISTICS

Correlated colour temperature (CCT)	7708K
Colour rendering index (CRI, Ra)	-25.0
Chromaticity coordinates (CIE 1931 - x,y)	0.1769, 0.7255

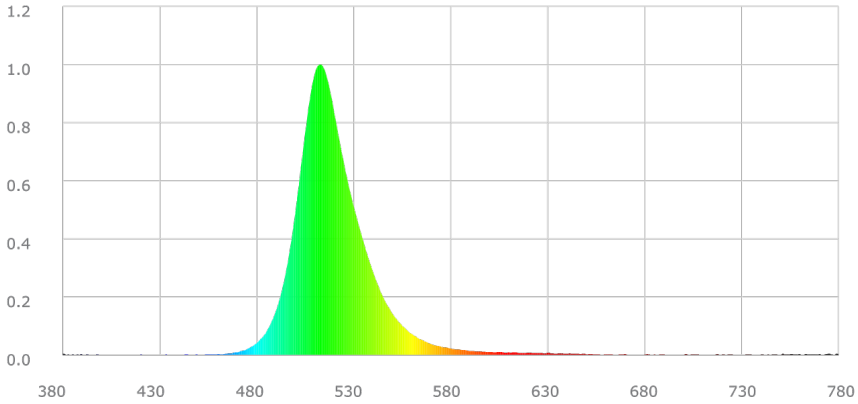
COLOUR RENDERING INDEX

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
-25	-13	-35	-67	-2	-14	-12	-25	-32	-12	-95	-27	-35	33	-25

CHROMATICITY DIAGRAM



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RGBW SOLO - BLUE 6000K

PHOTOMETRIC TEST REPORT

PRODUCT DETAILS

Product name	RGBW SOLO CHIP
Stated output	98.1lm per metre
Description	Flexible LED Tape, BLUE 6000K, 24V, 4.51W/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)	4.51
Input Current (mA DC)	188mA

LIGHT OUTPUT

Total light output (Lumens)	98.1
Luminaire efficacy (lm/W)	21.75
Beam angle	160°

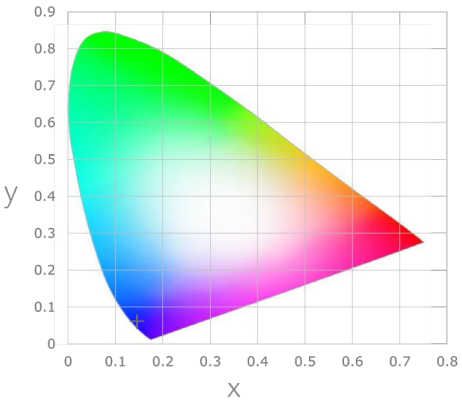
COLOUR CHARACTERISTICS

Correlated colour temperature (CCT)	100000K
Colour rendering index (CRI, Ra)	-25.0
Chromaticity coordinates (CIE 1931 - x,y)	0.1458, 0.0685

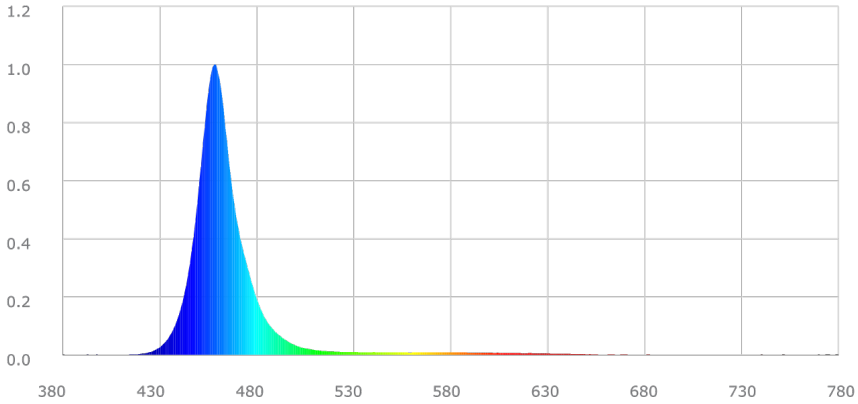
COLOUR RENDERING INDEX

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
47	-19	-13	-61	51	-19	-39	-21	-99	-19	-77	-53	23	-23	42

CHROMATICITY DIAGRAM



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