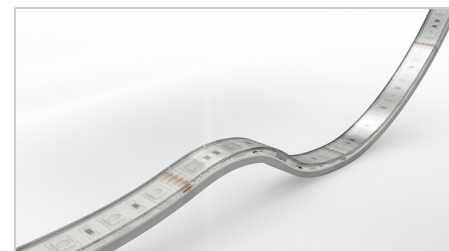


■ PRODUCT SPECIFICATION

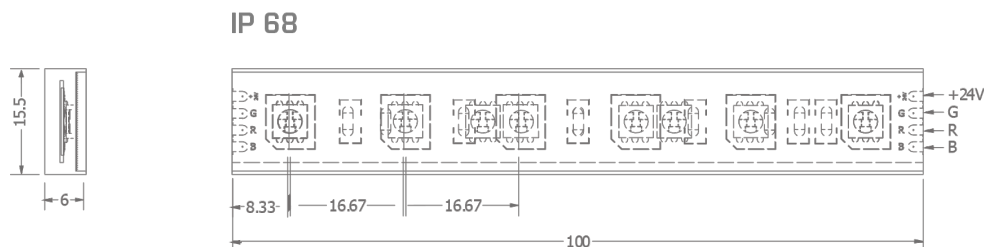
Dimension	H6/W15.5mm
PCB increment	Power connection and cut point every 100mm
LED pitch	16.67mm
Chip	Epistar
Beam angle	160°
Colours	RGB
Bin/step	3 Step MacAdam ellipse
CRI	45.0
Lifetime	50000hrs@45°
Operating temp.	0 - 45°C
IP rating	IP67
Mounting	Aluminium profile
Minimum bend radius	25mm
Connection	Hardwire tails or male/female connectors
Control	0-10V/1-10V/DMX/DALI



■ PERFORMANCE DATA (for 1000mm)

Power consumption	10.13W
Supply voltage	24V DC
Supply current	0.422A
Luminous flux	316.36Lm/M

TECHNICAL DRAWING



PRODUCT DETAILS

Product name	DURO FLEX RGB 60
Stated output	316.36lm per metre
Description	Flexible LED Tape, , 24V, 10.13W/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)	10.13
Input Current (mA DC)	422mA

LIGHT OUTPUT

Total light output (Lumens)	316.36
Luminaire efficacy (lm/W)	31.23
Beam angle	160°

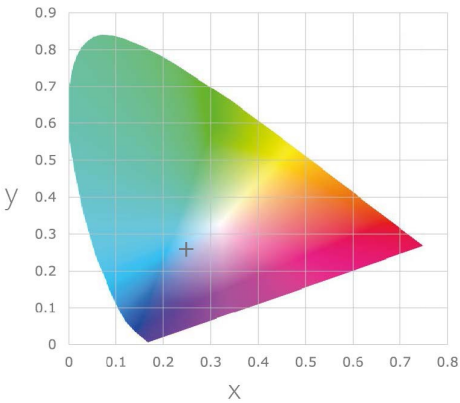
COLOUR CHARACTERISTICS

Correlated colour temperature (CCT)	18573K
Colour rendering index (CRI, Ra)	45.0
Chromaticity coordinates (CIE 1931 - x,y)	0.2532, 0.2650

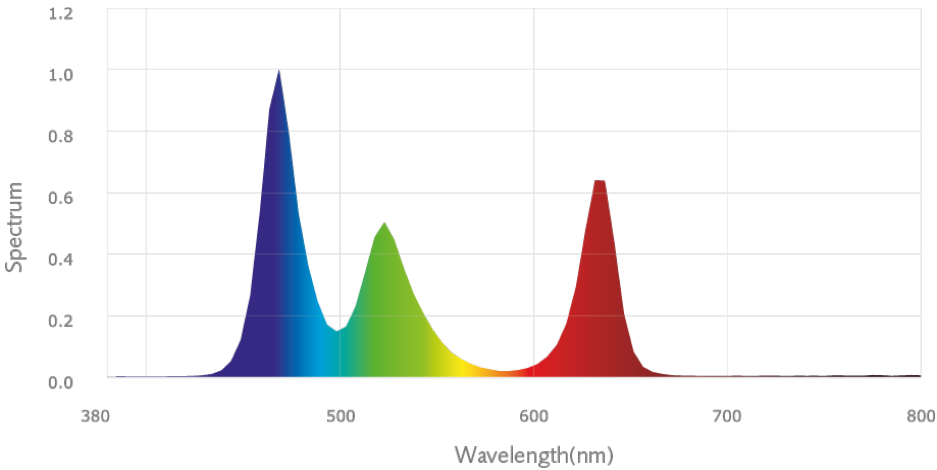
COLOUR RENDERING INDEX

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
28	58	74	49	51	56	54	0	0	3	40	59	32	81	7

CHROMATICITY DIAGRAM



SPECTRAL RADIANT FLUX VERSUS WAVELENGTH



PRODUCT DETAILS

Product name	DURO FLEX RGB 60
Stated output	70.281lm per metre
Description	Flexible LED Tape, RED, 24V, 3.98W/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)	3.98
Input Current (mA DC)	166mA

LIGHT OUTPUT

Total light output (Lumens)	70.281
Luminaire efficacy (lm/W)	17.66
Beam angle	160°

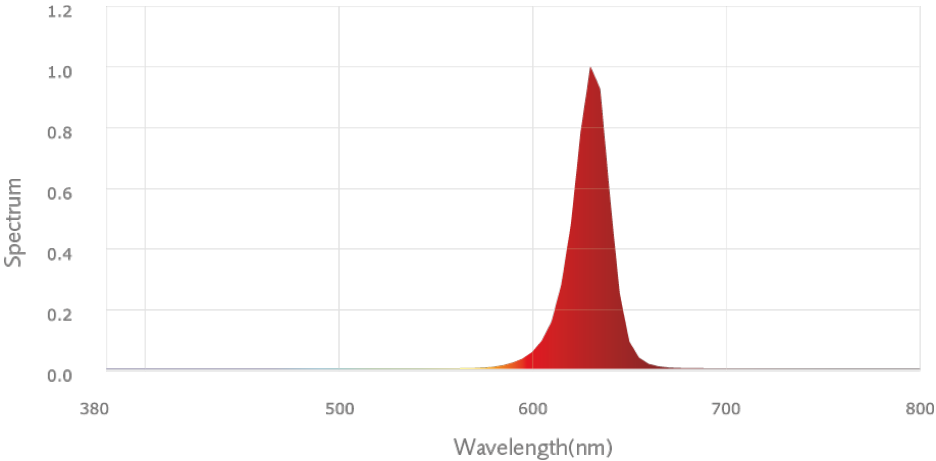
COLOUR CHARACTERISTICS

Correlated colour temperature (CCT)	1001K
Colour rendering index (CRI, Ra)	15.4
Chromaticity coordinates (CIE 1931 - x,y)	0.6950, 0.3049

COLOUR RENDERING INDEX

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
6	77	32	0	1	87	9	0	0	70	0	79	29	60	0

SPECTRAL RADIANT FLUX VERSUS WAVELENGTH



PRODUCT DETAILS

Product name	DURO FLEX RGB 60
Stated output	220.57lm per metre
Description	Flexible LED Tape, GREEN, 24V, 3.3W/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)	3.3
Input Current (mA DC)	138mA

LIGHT OUTPUT

Total light output (Lumens)	220.57
Luminaire efficacy (lm/W)	66.84
Beam angle	160°

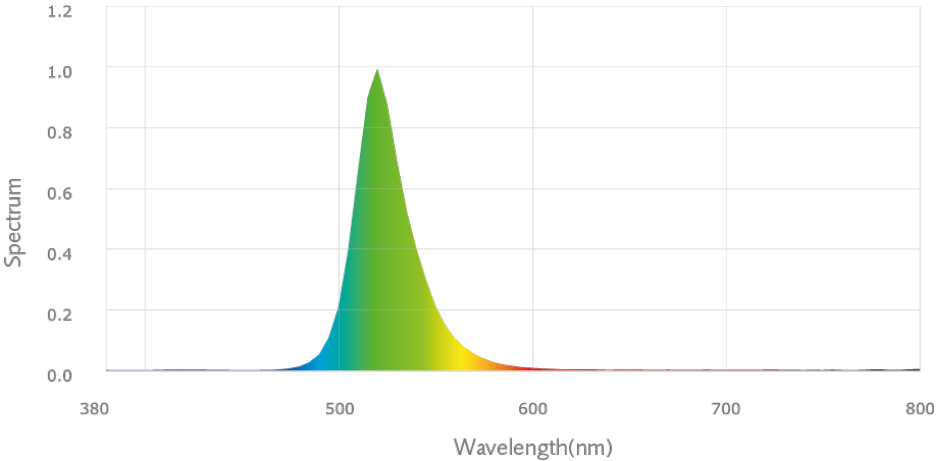
COLOUR CHARACTERISTICS

Correlated colour temperature (CCT)	7832K
Colour rendering index (CRI, Ra)	0.0
Chromaticity coordinates (CIE 1931 - x,y)	0.1652, 0.7385

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	34	0

SPECTRAL RADIANT FLUX VERSUS WAVELENGTH



PRODUCT DETAILS

Product name	DURO FLEX RGB 60
Stated output	38.974lm per metre
Description	Flexible LED Tape, BLUE, 24V, 3.27W/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)	3.27
Input Current (mA DC)	136mA

LIGHT OUTPUT

Total light output (Lumens)	38.974
Luminaire efficacy (lm/W)	11.92
Beam angle	160°

COLOUR CHARACTERISTICS

Correlated colour temperature (CCT)	100000K
Colour rendering index (CRI, Ra)	0.0
Chromaticity coordinates (CIE 1931 - x,y)	0.1339, 0.0627

COLOUR RENDERING INDEX

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
0	0	0	0	6	0	0	0	0	0	0	0	0	0	2

SPECTRAL RADIANT FLUX VERSUS WAVELENGTH

