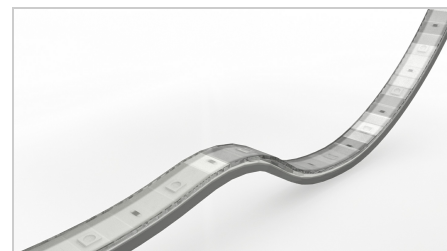


■ PRODUCT SPECIFICATION

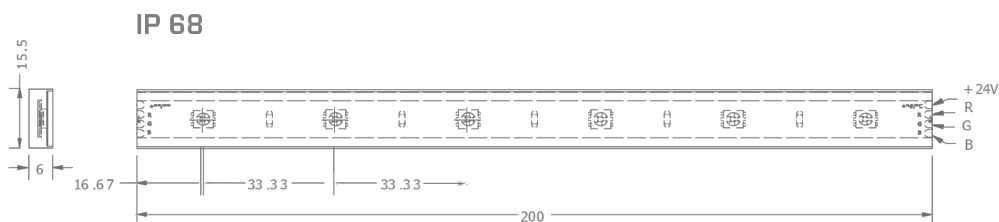
Dimension	H6/W15.5mm
PCB increment	Power connection and cut point every 200mm
LED pitch	33.33mm
Chip	Epistar
Beam angle	160°
Colours	RGB
Bin/step	3 Step MacAdam ellipse
CRI	34.9
Lifetime	50000hrs@45°
Operating temp.	0 - 45°C
IP rating	IP67
Mounting	Aluminium profile
Minimum bend radius	25mm
Connection	Hardwire tails or male/female connectors
Control	0-10V/1-10V/DMX/DALI



■ PERFORMANCE DATA (for 1000mm)

Power consumption	5.44W
Supply voltage	24V DC
Supply current	0.227A
Luminous flux	183.02Lm/M

TECHNICAL DRAWING



PRODUCT DETAILS

Product name	DURO FLEX RGB 30
Stated output	183.02lm per metre
Description	Flexible LED Tape, , 24V, 5.44W/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)	5.44
Input Current (mA DC)	227mA

LIGHT OUTPUT

Total light output (Lumens)	183.02
Luminaire efficacy (lm/W)	33.64
Beam angle	160°

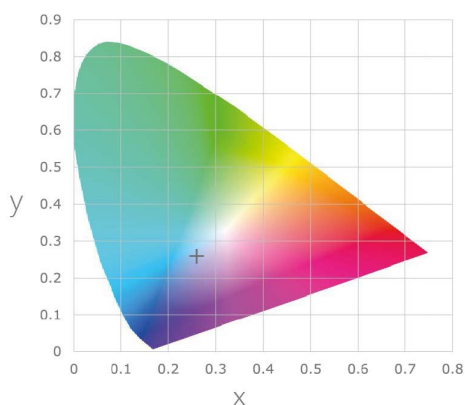
COLOUR CHARACTERISTICS

Correlated colour temperature (CCT)	20734K
Colour rendering index (CRI, Ra)	34.9
Chromaticity coordinates (CIE 1931 - x,y)	0.2482, 0.2642

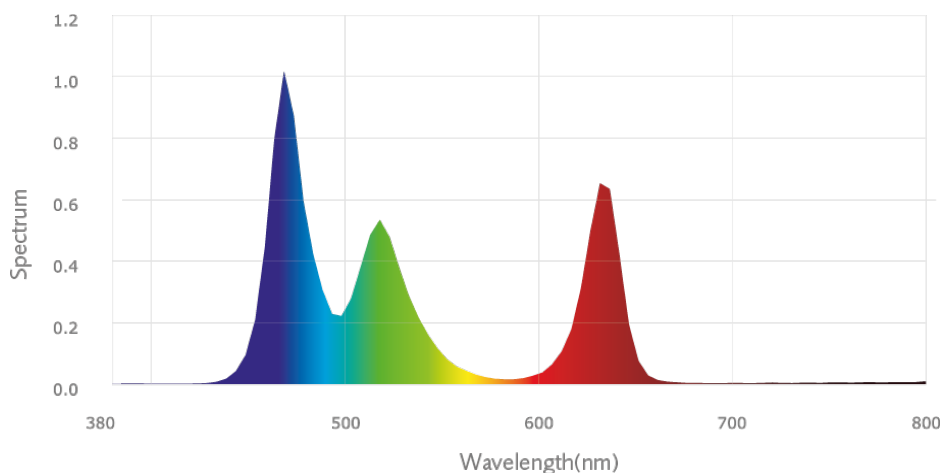
COLOUR RENDERING INDEX

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
20	46	58	41	43	41	47	0	0	0	33	51	22	72	0

CHROMATICITY DIAGRAM



SPECTRAL RADIANT FLUX VERSUS WAVELENGTH



■ PRODUCT DETAILS

Product name	DURO FLEX RGB 30
Stated output	40.425lm per metre
Description	Flexible LED Tape, RED, 24V, 2.01W/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)	2.01
Input Current (mA DC)	84mA

■ LIGHT OUTPUT

Total light output (Lumens)	40.425
Luminaire efficacy (lm/W)	20.11
Beam angle	160°

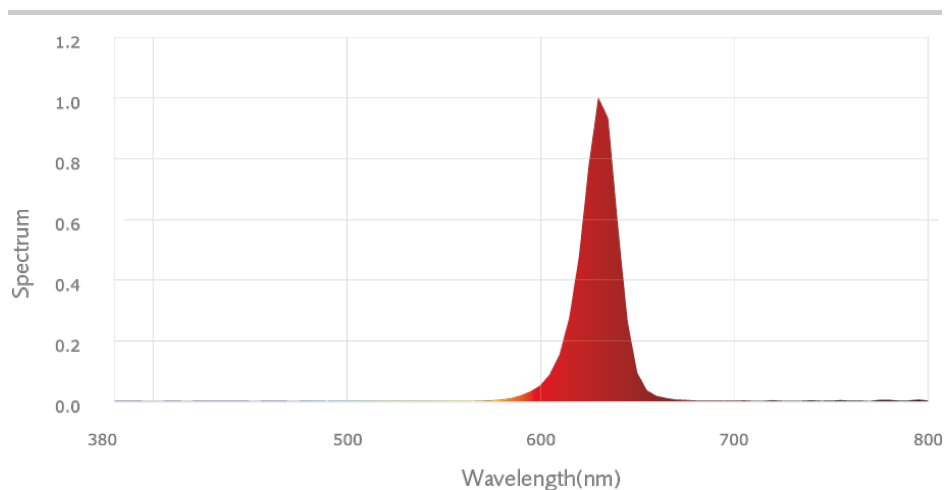
■ COLOUR CHARACTERISTICS

Correlated colour temperature (CCT)	1001K
Colour rendering index (CRI, Ra)	16.5
Chromaticity coordinates (CIE 1931 - x,y)	0.6951, 0.3046

COLOUR RENDERING INDEX

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
8	78	33	0	3	89	10	0	0	71	0	79	30	61	0

SPECTRAL RADIANT FLUX VERSUS WAVELENGTH



■ PRODUCT DETAILS

Product name	DURO FLEX RGB 30
Stated output	122.15lm per metre
Description	Flexible LED Tape, GREEN, 24V, 1.8W/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)	1.8
Input Current (mA DC)	75mA

■ LIGHT OUTPUT

Total light output (Lumens)	122.15
Luminaire efficacy (lm/W)	67.86
Beam angle	160°

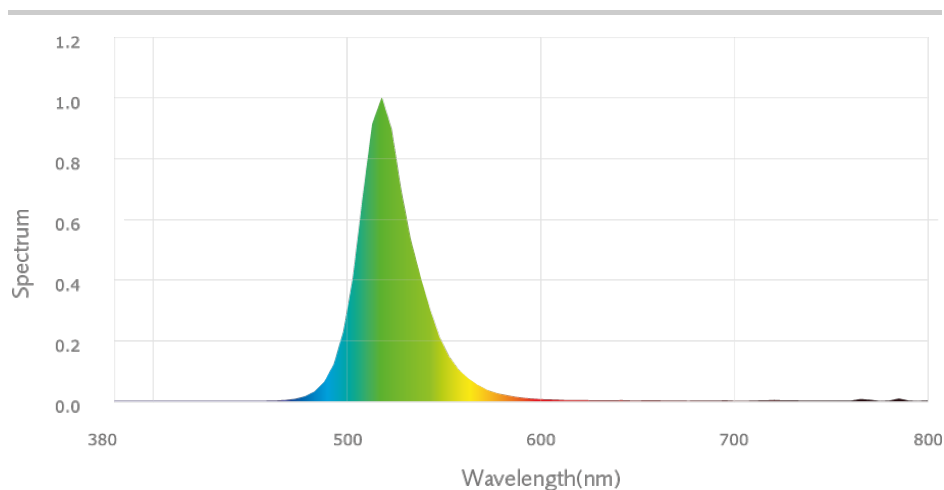
■ COLOUR CHARACTERISTICS

Correlated colour temperature (CCT)	8428K
Colour rendering index (CRI, Ra)	0.0
Chromaticity coordinates (CIE 1931 - x,y)	0.1355, 0.7224

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 30
Stated output	24.456lm per metre
Description	Flexible LED Tape, BLUE, 24V, 1.7W/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)	1.7
Input Current (mA DC)	71mA

■ LIGHT OUTPUT

Total light output (Lumens)	24.456
Luminaire efficacy (lm/W)	14.39
Beam angle	160°

■ COLOUR CHARACTERISTICS

Correlated colour temperature (CCT)	100000K
Colour rendering index (CRI, Ra)	0.0
Chromaticity coordinates (CIE 1931 - x,y)	0.1311, 0.0682

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	0	1

SPECTRAL RADIANT FLUX VERSUS WAVELENGTH

