RGBW ULTRA - PANEL 4000K

SPECIFICATION SHEET

IP20 | POWER SUPPLIES | CABLES | CONNECTORS | PCB COLOUR | 31.15 W/M | 1308.3 Lm/Panel

CE | RoHS COMPLIANT

PRODUCT SPECIFICATION

Dimensions	300*300mm
Pitch	30.00mm
Min. depth diffusion	50mm
Max panel per input	10
Chip	SMD CHIP 5050
Beam angle	120°
Colours	RGBW
CRI	61.7
Lifespan	5 YEARS
Operating temp.	0 - 40°C
IP rating	IP20
Dimmable	YES
Energy consumption	2.3 - 4.3KWh/1000h
Efficiency class	A++



PERFORMANCE DATA (PER PANEL)

Power consumption	31.15W
Supply voltage	24V DC
Supply current	1.298A
Luminous flux	1308.3Lm/Panel

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RGBW ULTRA - PANEL 4000K

PHOTOMETRIC TEST REPORT

PRODUCT DETAILS

Product name	RGBW ULTRA PANEL
Stated output	1308.3lm per panel
Description	LED Panel, 4000K, 24V, 31.15W/Panel

ELECTRICAL CHARACTERISTICS

Input Voltage (V DC)	24
Input power (W DC)	31.15
Input Current (mA DC)	1298mA

LIGHT OUTPUT

Total light output (Lumens)	1308.3
Luminaire efficacy (lm/W)	42
Beam angle	120°

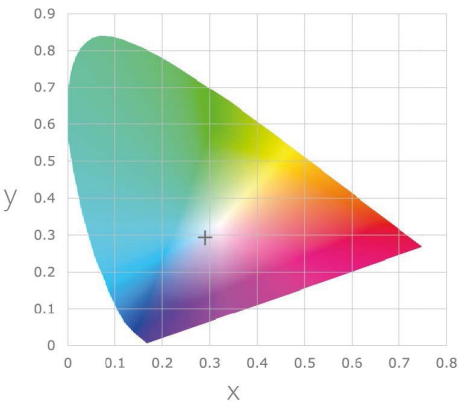
COLOUR CHARACTERISTICS

Correlated colour temperature (CCT)	8834K
Colour rendering index (CRI, Ra)	61.7
Chromaticity coordinates (CIE 1931 - x,y)	0.2904, 0.2916

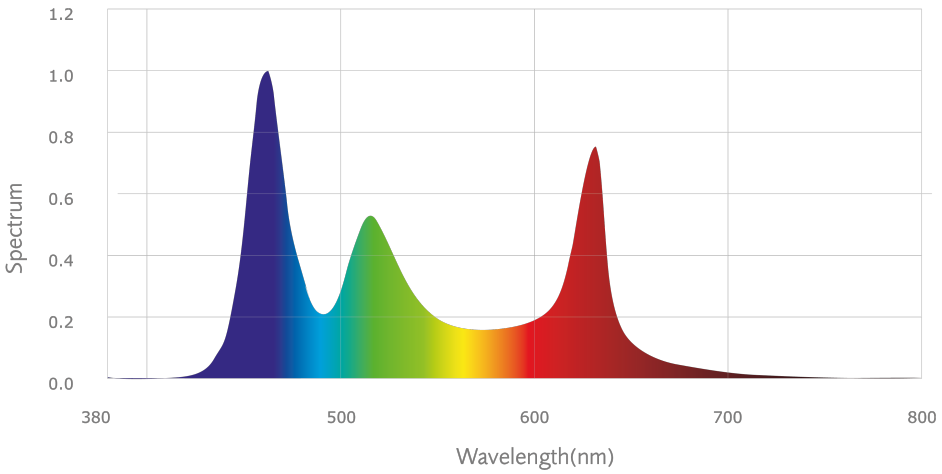
COLOUR RENDERING INDEX

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
47	72	86	55	60	69	73	33	0	38	43	63	52	87	38

CHROMATICITY DIAGRAM



SPECTRAL RADIANT FLUX VERSUS WAVELENGTH



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RGBW ULTRA - RED

PHOTOMETRIC TEST REPORT

PRODUCT DETAILS

Product name	RGBW ULTRA PANEL
Stated output	176.5lm per panel
Description	LED Panel, RED, 24V, 8.2W/Panel

ELECTRICAL CHARACTERISTICS

Input Voltage (V DC)	24
Input power (W DC)	8.2
Input Current (mA DC)	340mA

LIGHT OUTPUT

Total light output (Lumens)	176.5
Luminaire efficacy (lm/W)	21.52
Beam angle	120°

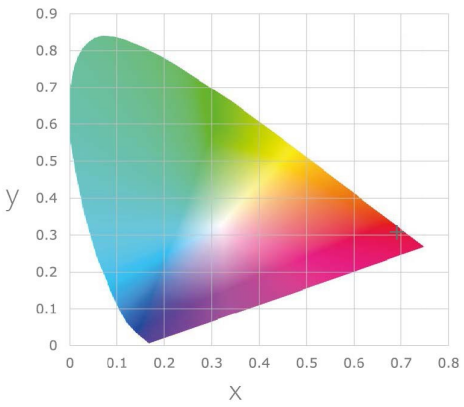
COLOUR CHARACTERISTICS

Correlated colour temperature (CCT)	1000K
Colour rendering index (CRI, Ra)	28.8
Chromaticity coordinates (CIE 1931 - x,y)	0.6913, 0.3040

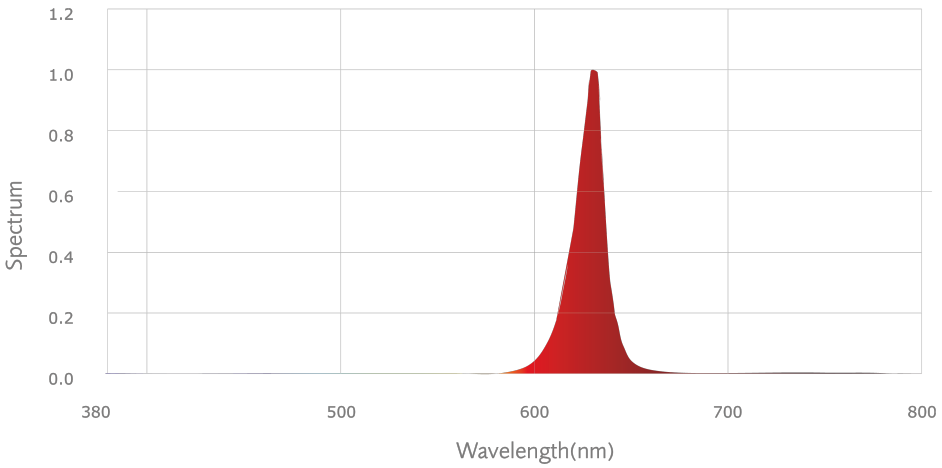
COLOUR RENDERING INDEX

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
11	80	34	0	12	93	0	0	0	75	2	73	34	62	0

CHROMATICITY DIAGRAM



SPECTRAL RADIANT FLUX VERSUS WAVELENGTH



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RGBW ULTRA - GREEN

PHOTOMETRIC TEST REPORT

PRODUCT DETAILS

Product name	RGBW ULTRA PANEL
Stated output	496.6lm per panel
Description	LED Panel, GREEN, 24V, 9.29W/Panel

ELECTRICAL CHARACTERISTICS

Input Voltage (V DC)	24
Input power (W DC)	9.29
Input Current (mA DC)	390mA

LIGHT OUTPUT

Total light output (Lumens)	496.6
Luminaire efficacy (lm/W)	53.46
Beam angle	120°

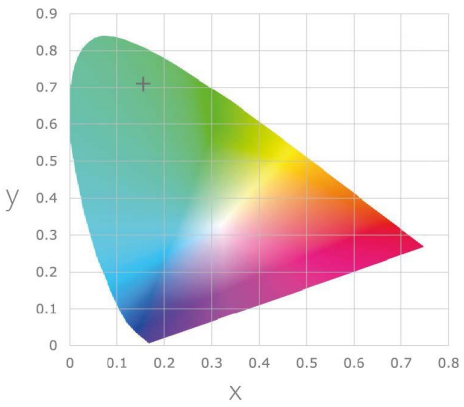
COLOUR CHARACTERISTICS

Correlated colour temperature (CCT)	8110K
Colour rendering index (CRI, Ra)	0.1
Chromaticity coordinates (CIE 1931 - x,y)	0.1588, 0.7077

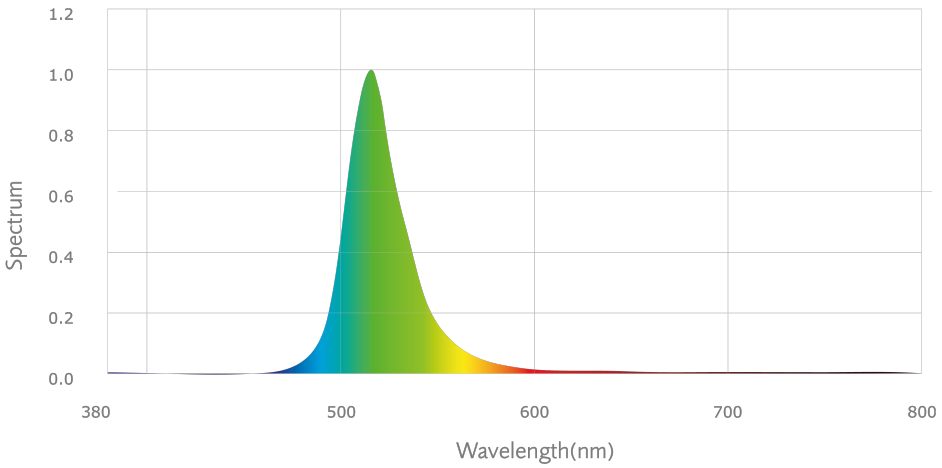
COLOUR RENDERING INDEX

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
0	0	0	0	1	0	0	0	0	0	0	0	0	34	0

CHROMATICITY DIAGRAM



SPECTRAL RADIANT FLUX VERSUS WAVELENGTH



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RGBW ULTRA - BLUE

PHOTOMETRIC TEST REPORT

PRODUCT DETAILS

Product name	RGBW ULTRA PANEL
Stated output	117.6lm per panel
Description	LED Panel, BLUE, 24V, 8.45W/Panel

ELECTRICAL CHARACTERISTICS

Input Voltage (V DC)	24
Input power (W DC)	8.45
Input Current (mA DC)	350mA

LIGHT OUTPUT

Total light output (Lumens)	117.6
Luminaire efficacy (lm/W)	13.92
Beam angle	120°

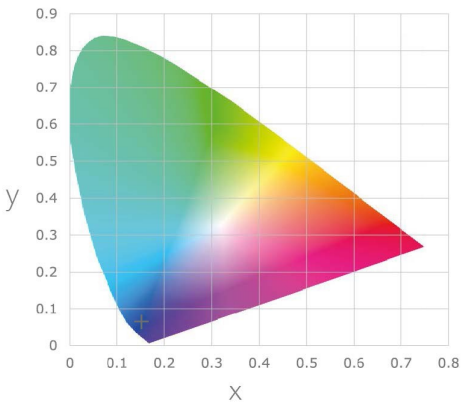
COLOUR CHARACTERISTICS

Correlated colour temperature (CCT)	100000K
Colour rendering index (CRI, Ra)	11.5
Chromaticity coordinates (CIE 1931 - x,y)	0.1451, 0.0622

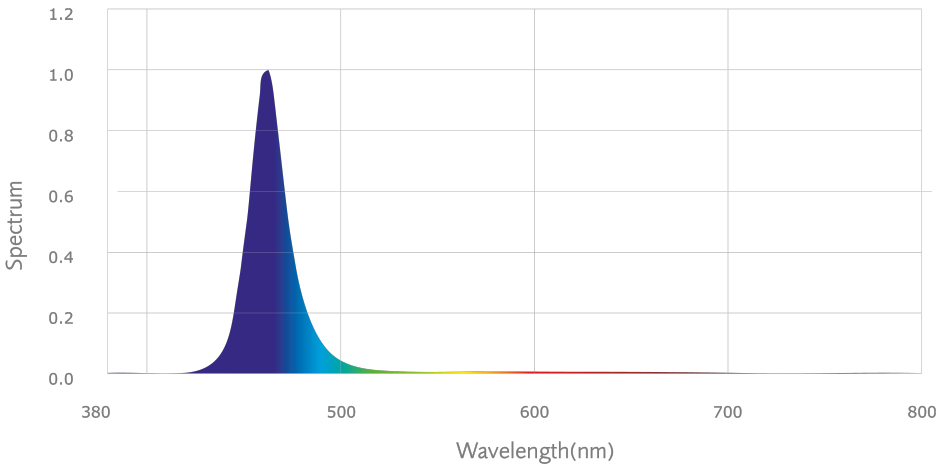
COLOUR RENDERING INDEX

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
45	0	0	0	48	0	0	0	0	0	0	0	17	0	41

CHROMATICITY DIAGRAM



SPECTRAL RADIANT FLUX VERSUS WAVELENGTH



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RGBW ULTRA - WHITE

PHOTOMETRIC TEST REPORT

PRODUCT DETAILS

Product name	RGBW ULTRA PANEL
Stated output	623.1lm per panel
Description	LED Panel, WHITE, 24V, 9.14W/Panel

ELECTRICAL CHARACTERISTICS

Input Voltage (V DC)	24
Input power (W DC)	9.14
Input Current (mA DC)	380mA

LIGHT OUTPUT

Total light output (Lumens)	623.1
Luminaire efficacy (lm/W)	68.17
Beam angle	120°

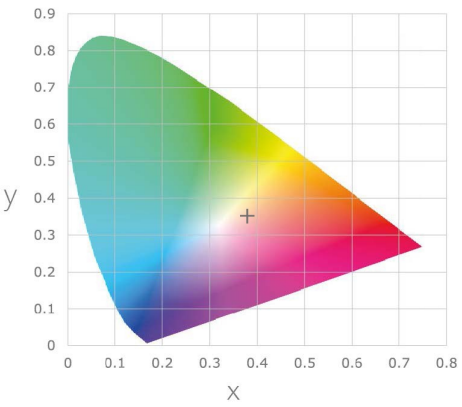
COLOUR CHARACTERISTICS

Correlated colour temperature (CCT)	4236K
Colour rendering index (CRI, Ra)	87.1
Chromaticity coordinates (CIE 1931 - x,y)	0.3864, 0.3604

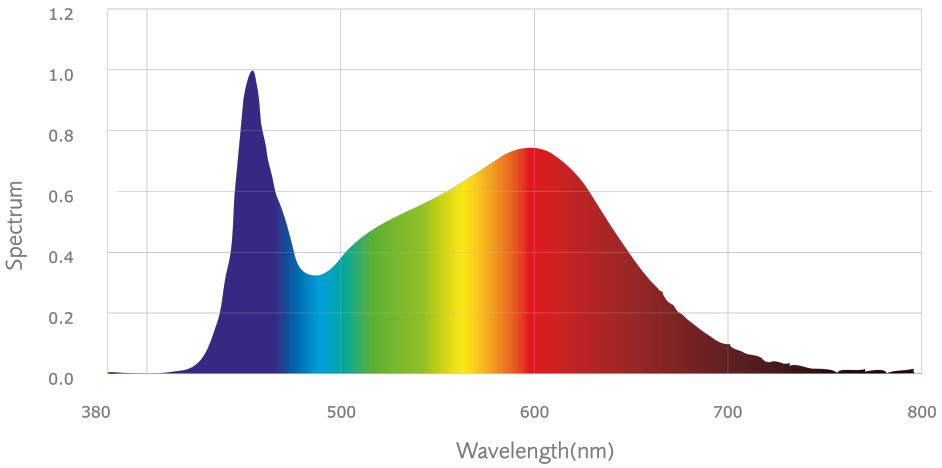
COLOUR RENDERING INDEX

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
88	96	95	84	87	91	85	70	28	89	84	66	91	99	83

CHROMATICITY DIAGRAM



SPECTRAL RADIANT FLUX VERSUS WAVELENGTH



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RGBW ULTRA - PANEL 4000K

IP20 | POWER SUPPLIES | CABLES | CONNECTORS | PCB COLOUR | 33.88 W/M | 1539.8 Lm/Panel

CE | RoHS COMPLIANT

PRODUCT SPECIFICATION

Dimensions	500*500mm
Pitch	41.70mm
Min. depth diffusion	50mm
Max panel per input	10
Chip	SMD CHIP 5050
Beam angle	120°
Colours	RGBW
CRI	61.9
Lifespan	5 YEARS
Operating temp.	0 - 40°C
IP rating	IP20
Dimmable	YES
Energy consumption	2.3 - 4.3KWh/1000h
Efficiency class	A++



PERFORMANCE DATA (PER PANEL)

Power consumption	33.88W
Supply voltage	24V DC
Supply current	1.412A
Luminous flux	1539.8Lm/Panel

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RGBW ULTRA - PANEL 4000K

PHOTOMETRIC TEST REPORT

PRODUCT DETAILS

Product name	RGBW ULTRA PANEL
Stated output	1539.8lm per panel
Description	LED Panel, 4000K, 24V, 33.88W/Panel

ELECTRICAL CHARACTERISTICS

Input Voltage (V DC)	24
Input power (W DC)	33.88
Input Current (mA DC)	1412mA

LIGHT OUTPUT

Total light output (Lumens)	1539.8
Luminaire efficacy (lm/W)	45.45
Beam angle	120°

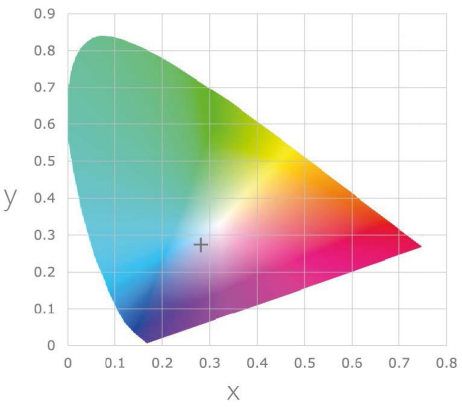
COLOUR CHARACTERISTICS

Correlated colour temperature (CCT)	8542K
Colour rendering index (CRI, Ra)	61.9
Chromaticity coordinates (CIE 1931 - x,y)	0.2912, 0.2977

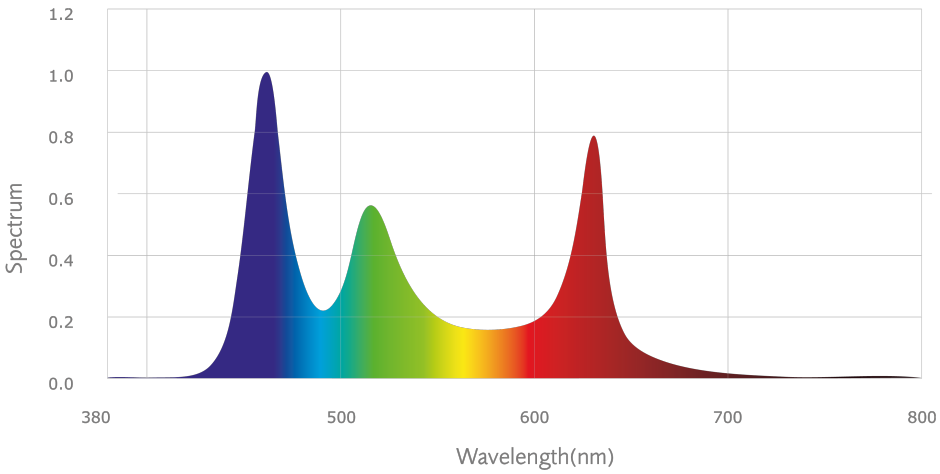
COLOUR RENDERING INDEX

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
48	73	85	55	60	69	72	32	0	39	43	64	53	87	39

CHROMATICITY DIAGRAM



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RGBW ULTRA - RED

PHOTOMETRIC TEST REPORT

PRODUCT DETAILS

Product name	RGBW ULTRA PANEL
Stated output	226lm per panel
Description	LED Panel, RED, 24V, 9.77W/Panel

ELECTRICAL CHARACTERISTICS

Input Voltage (V DC)	24
Input power (W DC)	9.77
Input Current (mA DC)	410mA

LIGHT OUTPUT

Total light output (Lumens)	226
Luminaire efficacy (lm/W)	23.13
Beam angle	120°

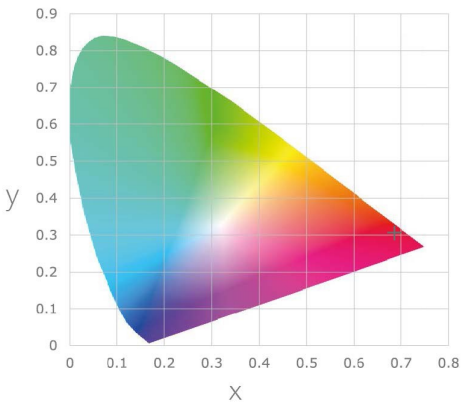
COLOUR CHARACTERISTICS

Correlated colour temperature (CCT)	1000K
Colour rendering index (CRI, Ra)	30.4
Chromaticity coordinates (CIE 1931 - x,y)	0.6903, 0.3047

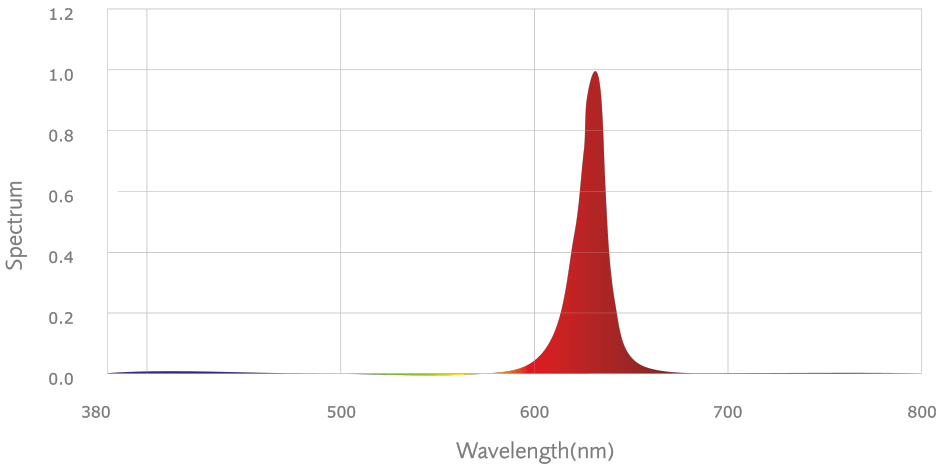
COLOUR RENDERING INDEX

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
14	81	36	0	16	93	4	0	0	76	6	71	36	64	0

CHROMATICITY DIAGRAM



SPECTRAL RADIANT FLUX VERSUS WAVELENGTH



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RGBW ULTRA - GREEN

PHOTOMETRIC TEST REPORT

PRODUCT DETAILS

Product name	RGBW ULTRA PANEL
Stated output	645.8lm per panel
Description	LED Panel, GREEN, 24V, 10.87W/Panel

ELECTRICAL CHARACTERISTICS

Input Voltage (V DC)	24
Input power (W DC)	10.87
Input Current (mA DC)	450mA

LIGHT OUTPUT

Total light output (Lumens)	645.8
Luminaire efficacy (lm/W)	59.41
Beam angle	120°

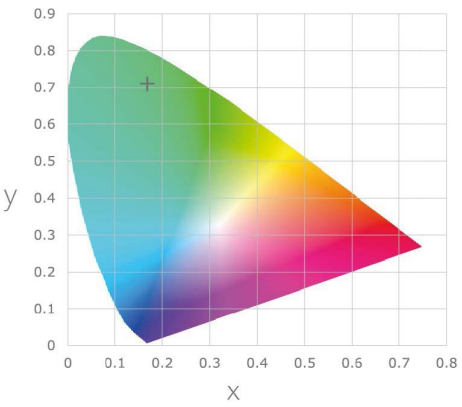
COLOUR CHARACTERISTICS

Correlated colour temperature (CCT)	8138K
Colour rendering index (CRI, Ra)	0.1
Chromaticity coordinates (CIE 1931 - x,y)	0.1569, 0.7081

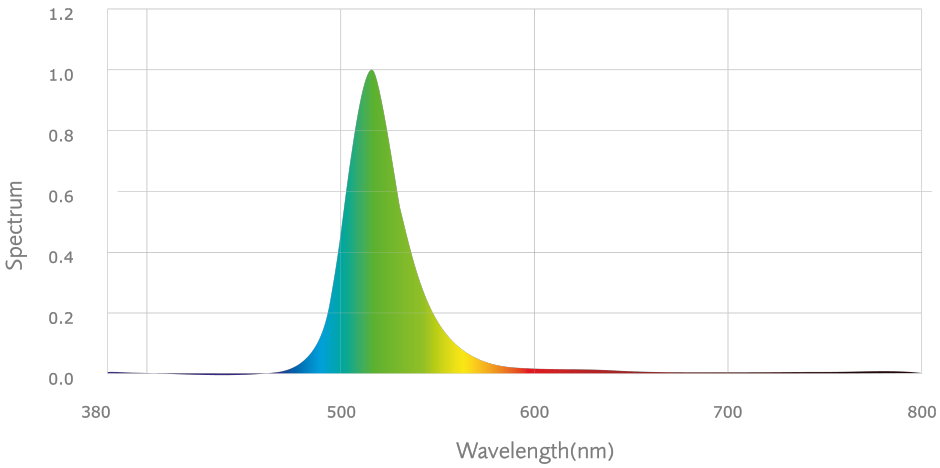
COLOUR RENDERING INDEX

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
0	0	0	0	1	0	0	0	0	0	0	0	0	34	0

CHROMATICITY DIAGRAM



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RGBW ULTRA - BLUE

PHOTOMETRIC TEST REPORT

PRODUCT DETAILS

Product name	RGBW ULTRA PANEL
Stated output	143.7lm per panel
Description	LED Panel, BLUE, 24V, 9.06W/Panel

ELECTRICAL CHARACTERISTICS

Input Voltage (V DC)	24
Input power (W DC)	9.06
Input Current (mA DC)	380mA

LIGHT OUTPUT

Total light output (Lumens)	143.7
Luminaire efficacy (lm/W)	15.86
Beam angle	120°

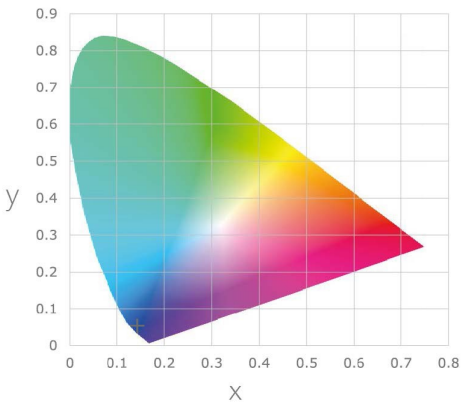
COLOUR CHARACTERISTICS

Correlated colour temperature (CCT)	100000K
Colour rendering index (CRI, Ra)	10.5
Chromaticity coordinates (CIE 1931 - x,y)	0.1442, 0.0618

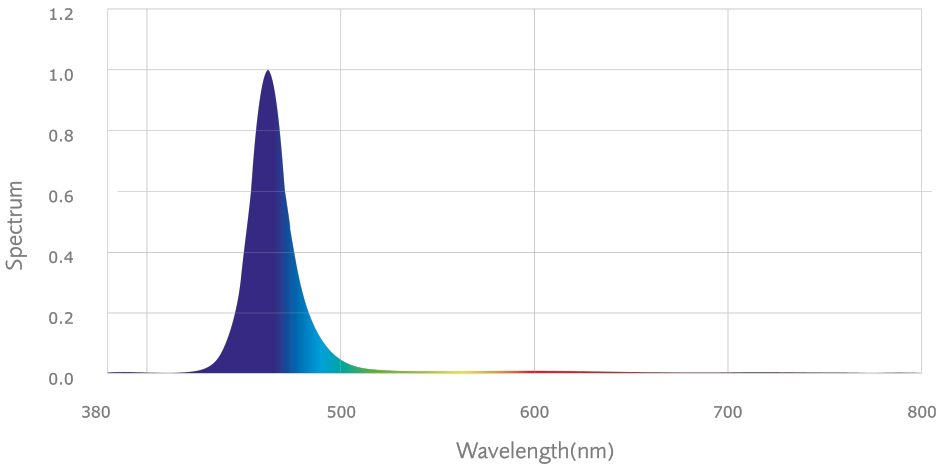
COLOUR RENDERING INDEX

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
0	0	0	0	44	0	0	0	0	0	0	0	15	0	39

CHROMATICITY DIAGRAM



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RGBW ULTRA - WHITE

PHOTOMETRIC TEST REPORT

PRODUCT DETAILS

Product name	RGBW ULTRA PANEL
Stated output	782.3lm per panel
Description	LED Panel, WHITE, 24V, 10.58W/Panel

ELECTRICAL CHARACTERISTICS

Input Voltage (V DC)	24
Input power (W DC)	10.58
Input Current (mA DC)	440mA

LIGHT OUTPUT

Total light output (Lumens)	782.3
Luminaire efficacy (lm/W)	73.94
Beam angle	120°

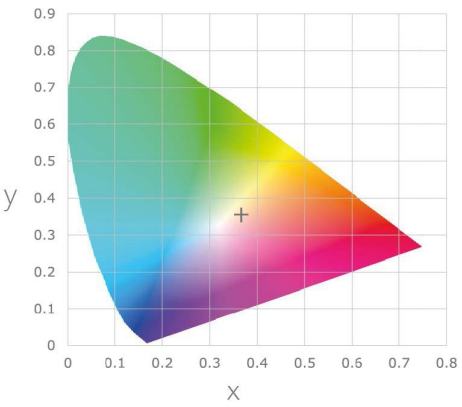
COLOUR CHARACTERISTICS

Correlated colour temperature (CCT)	4376K
Colour rendering index (CRI, Ra)	87.7
Chromaticity coordinates (CIE 1931 - x,y)	0.3632, 0.3563

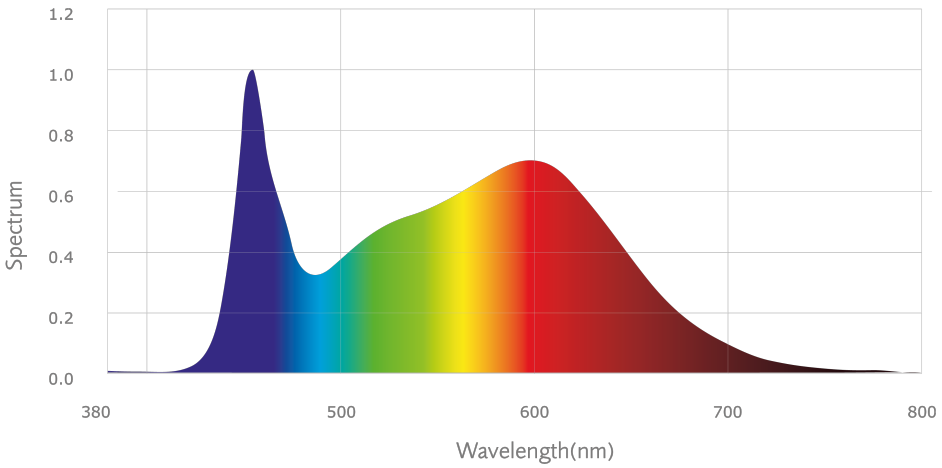
COLOUR RENDERING INDEX

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
89	97	95	85	88	92	85	71	32	90	85	66	92	99	85

CHROMATICITY DIAGRAM



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