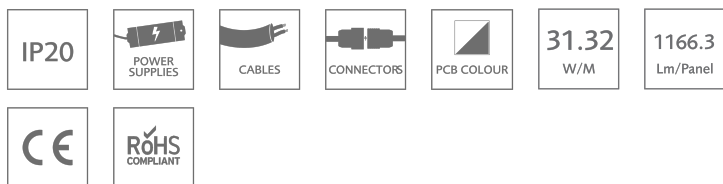


# RGBW ULTRA - PANEL 6000K

SPECIFICATION SHEET



## ■ 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                  | 64.7               |
| 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 | 31.32W         |
| Supply voltage    | 24V DC         |
| Supply current    | 1.305A         |
| Luminous flux     | 1166.3Lm/Panel |



■ PRODUCT DETAILS

|               |                                     |
|---------------|-------------------------------------|
| Product name  | RGBW ULTRA PANEL                    |
| Stated output | 1166.3lm per panel                  |
| Description   | LED Panel, 6000K, 24V, 31.32W/Panel |

■ ELECTRICAL CHARACTERISTICS

|                       |        |
|-----------------------|--------|
| Input Voltage (V DC)  | 24     |
| Input power (WDC)     | 31.32  |
| Input Current (mA DC) | 1305mA |

■ LIGHT OUTPUT

|                             |        |
|-----------------------------|--------|
| Total light output (Lumens) | 1166.3 |
| Luminaire efficacy (lm/W)   | 37.24  |
| Beam angle                  | 120°   |

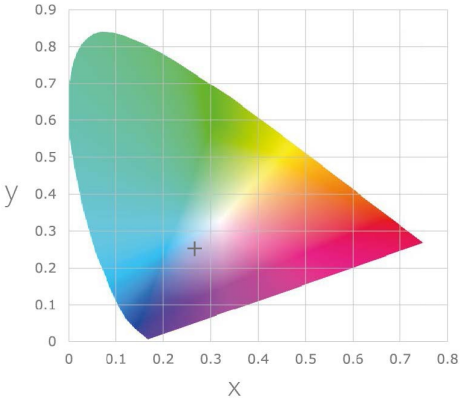
■ COLOUR CHARACTERISTICS

|                                           |                |
|-------------------------------------------|----------------|
| Correlated colour temperature (CCT)       | 13500K         |
| Colour rendering index (CRI, Ra)          | 64.7           |
| Chromaticity coordinates (CIE 1931 - x,y) | 0.2644, 0.2756 |

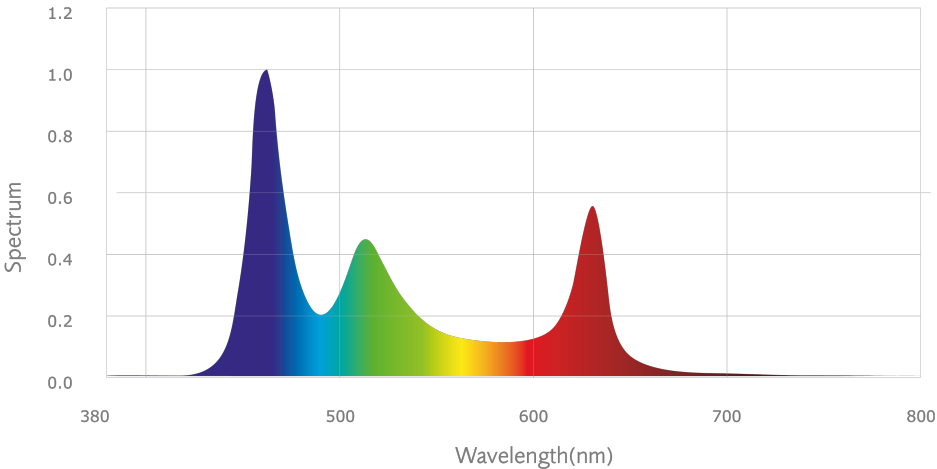
COLOUR RENDERING INDEX

| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|
| 54 | 72 | 82 | 63 | 67 | 71 | 70 | 38 | 0  | 33  | 57  | 61  | 56  | 87  | 43  |

CHROMATICITY DIAGRAM



SPECTRAL RADIANT FLUX VERSUS WAVELENGTH



■ PRODUCT DETAILS

|               |                                  |
|---------------|----------------------------------|
| Product name  | RGBW ULTRA PANEL                 |
| Stated output | 160.8lm per panel                |
| Description   | LED Panel, RED, 24V, 8.04W/Panel |

■ ELECTRICAL CHARACTERISTICS

|                       |       |
|-----------------------|-------|
| Input Voltage (V DC)  | 24    |
| Input power (WDC)     | 8.04  |
| Input Current (mA DC) | 340mA |

■ LIGHT OUTPUT

|                             |       |
|-----------------------------|-------|
| Total light output (Lumens) | 160.8 |
| Luminaire efficacy (lm/W)   | 20    |
| Beam angle                  | 120°  |

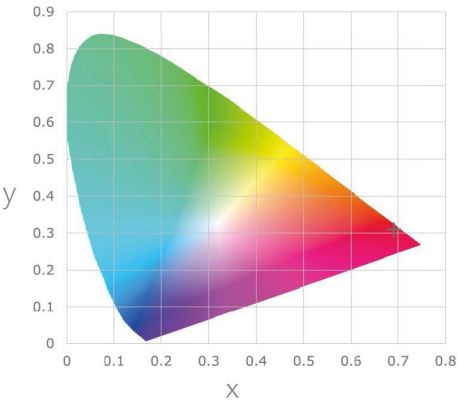
■ COLOUR CHARACTERISTICS

|                                           |                |
|-------------------------------------------|----------------|
| Correlated colour temperature (CCT)       | 1000K          |
| Colour rendering index (CRI, Ra)          | 30.3           |
| Chromaticity coordinates (CIE 1931 - x,y) | 0.6908, 0.3042 |

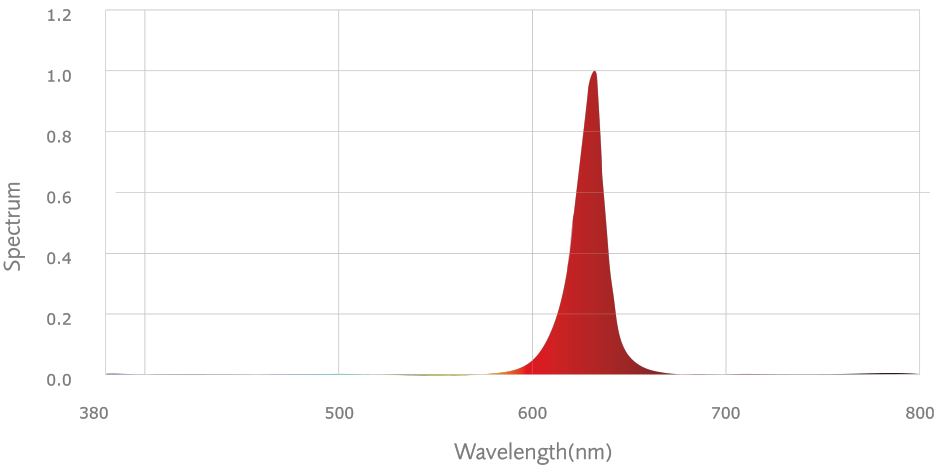
COLOUR RENDERING INDEX

| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|
| 13 | 80 | 36 | 0  | 16 | 93 | 4  | 0  | 0  | 76  | 6   | 71  | 35  | 64  | 0   |

CHROMATICITY DIAGRAM



SPECTRAL RADIANT FLUX VERSUS WAVELENGTH



PRODUCT DETAILS

|               |                                    |
|---------------|------------------------------------|
| Product name  | RGBW ULTRA PANEL                   |
| Stated output | 455.2lm per panel                  |
| Description   | LED Panel, GREEN, 24V, 9.18W/Panel |

ELECTRICAL CHARACTERISTICS

|                       |       |
|-----------------------|-------|
| Input Voltage (V DC)  | 24    |
| Input power (WDC)     | 9.18  |
| Input Current (mA DC) | 380mA |

LIGHT OUTPUT

|                             |       |
|-----------------------------|-------|
| Total light output (Lumens) | 455.2 |
| Luminaire efficacy (lm/W)   | 49.59 |
| Beam angle                  | 120°  |

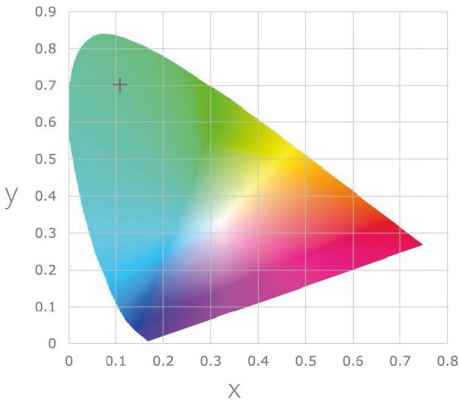
COLOUR CHARACTERISTICS

|                                           |                |
|-------------------------------------------|----------------|
| Correlated colour temperature (CCT)       | 8390K          |
| Colour rendering index (CRI, Ra)          | 0.0            |
| Chromaticity coordinates (CIE 1931 - x,y) | 0.1443, 0.7049 |

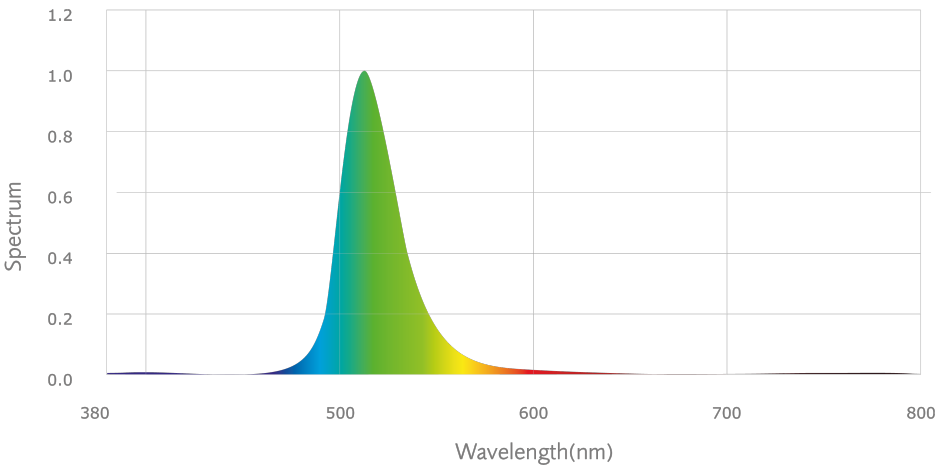
COLOUR RENDERING INDEX

| 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   | 33  | 0   |

CHROMATICITY DIAGRAM



SPECTRAL RADIANT FLUX VERSUS WAVELENGTH



■ PRODUCT DETAILS

|               |                                   |
|---------------|-----------------------------------|
| Product name  | RGBW ULTRA PANEL                  |
| Stated output | 117.6lm per panel                 |
| Description   | LED Panel, BLUE, 24V, 8.86W/Panel |

■ ELECTRICAL CHARACTERISTICS

|                       |       |
|-----------------------|-------|
| Input Voltage (V DC)  | 24    |
| Input power (WDC)     | 8.86  |
| Input Current (mA DC) | 370mA |

■ LIGHT OUTPUT

|                             |       |
|-----------------------------|-------|
| Total light output (Lumens) | 117.6 |
| Luminaire efficacy (lm/W)   | 13.27 |
| Beam angle                  | 120°  |

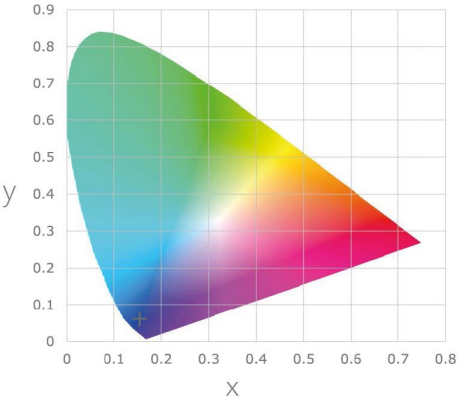
■ COLOUR CHARACTERISTICS

|                                           |                |
|-------------------------------------------|----------------|
| Correlated colour temperature (CCT)       | 100000K        |
| Colour rendering index (CRI, Ra)          | 11.1           |
| Chromaticity coordinates (CIE 1931 - x,y) | 0.1444, 0.0643 |

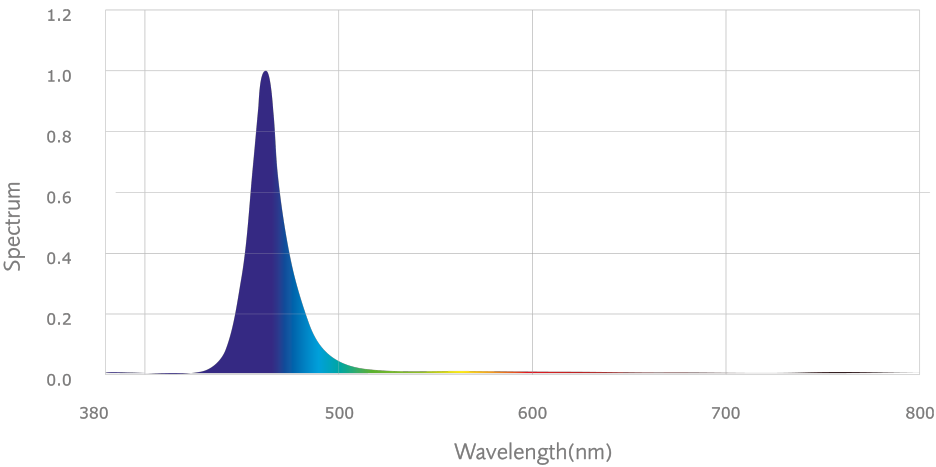
COLOUR RENDERING INDEX

| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|
| 42 | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0   | 18  | 0   | 38  |

CHROMATICITY DIAGRAM



SPECTRAL RADIANT FLUX VERSUS WAVELENGTH



■ PRODUCT DETAILS

|               |                                    |
|---------------|------------------------------------|
| Product name  | RGBW ULTRA PANEL                   |
| Stated output | 555.1lm per panel                  |
| Description   | LED Panel, WHITE, 24V, 9.14W/Panel |

■ ELECTRICAL CHARACTERISTICS

|                       |       |
|-----------------------|-------|
| Input Voltage (V DC)  | 24    |
| Input power (WDC)     | 9.14  |
| Input Current (mA DC) | 380mA |

■ LIGHT OUTPUT

|                             |       |
|-----------------------------|-------|
| Total light output (Lumens) | 555.1 |
| Luminaire efficacy (lm/W)   | 60.73 |
| Beam angle                  | 120°  |

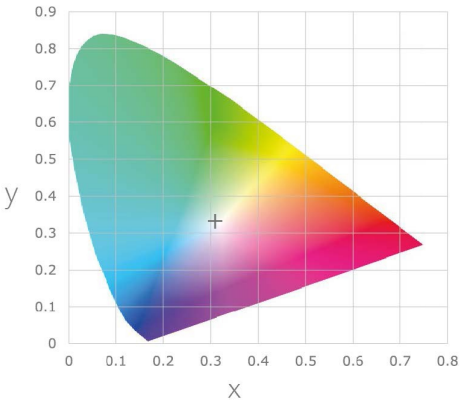
■ COLOUR CHARACTERISTICS

|                                           |                |
|-------------------------------------------|----------------|
| Correlated colour temperature (CCT)       | 6458K          |
| Colour rendering index (CRI, Ra)          | 87.6           |
| Chromaticity coordinates (CIE 1931 - x,y) | 0.3140, 0.3261 |

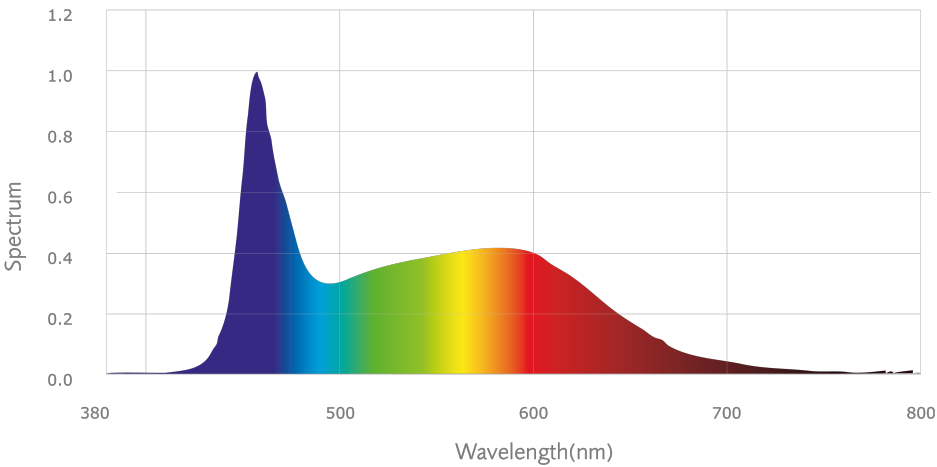
COLOUR RENDERING INDEX

| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|
| 89 | 97 | 98 | 80 | 84 | 88 | 86 | 78 | 44 | 90  | 82  | 54  | 94  | 99  | 88  |

CHROMATICITY DIAGRAM

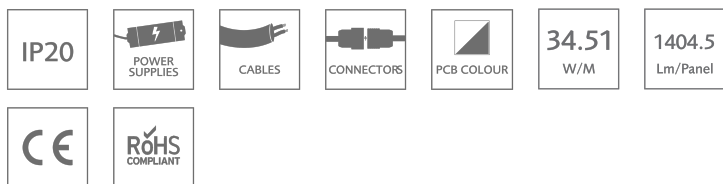


SPECTRAL RADIANT FLUX VERSUS WAVELENGTH



# RGBW ULTRA - PANEL 6000K

SPECIFICATION SHEET



## ■ 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                  | 64.3               |
| 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 | 34.51W         |
| Supply voltage    | 24V DC         |
| Supply current    | 1.438A         |
| Luminous flux     | 1404.5Lm/Panel |



■ PRODUCT DETAILS

|               |                                     |
|---------------|-------------------------------------|
| Product name  | RGBW ULTRA PANEL                    |
| Stated output | 1404.5lm per panel                  |
| Description   | LED Panel, 6000K, 24V, 34.51W/Panel |

■ ELECTRICAL CHARACTERISTICS

|                       |        |
|-----------------------|--------|
| Input Voltage (V DC)  | 24     |
| Input power (WDC)     | 34.51  |
| Input Current (mA DC) | 1438mA |

■ LIGHT OUTPUT

|                             |        |
|-----------------------------|--------|
| Total light output (Lumens) | 1404.5 |
| Luminaire efficacy (lm/W)   | 40.7   |
| Beam angle                  | 120°   |

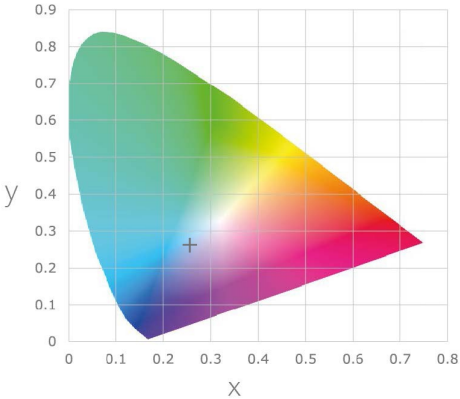
■ COLOUR CHARACTERISTICS

|                                           |                |
|-------------------------------------------|----------------|
| Correlated colour temperature (CCT)       | 13650K         |
| Colour rendering index (CRI, Ra)          | 64.3           |
| Chromaticity coordinates (CIE 1931 - x,y) | 0.2636, 0.2757 |

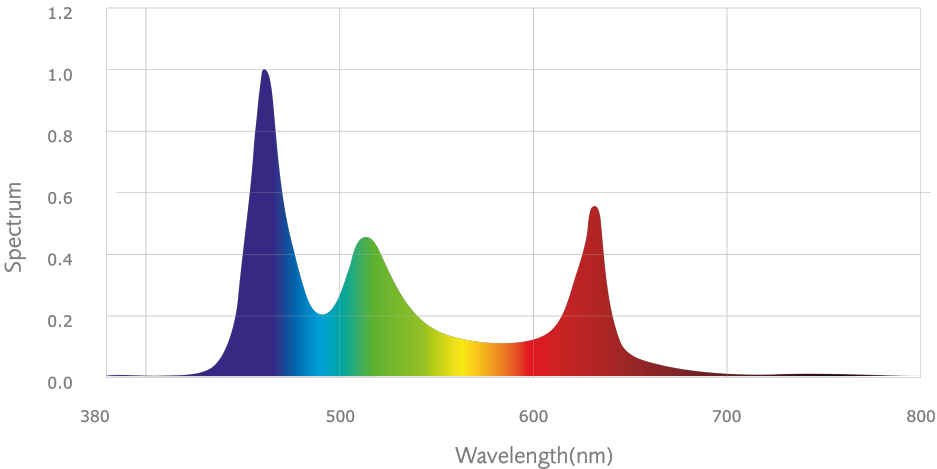
COLOUR RENDERING INDEX

| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|
| 54 | 71 | 82 | 63 | 67 | 71 | 69 | 38 | 0  | 32  | 57  | 61  | 56  | 86  | 43  |

CHROMATICITY DIAGRAM



SPECTRAL RADIANT FLUX VERSUS WAVELENGTH



■ PRODUCT DETAILS

|               |                                  |
|---------------|----------------------------------|
| Product name  | RGBW ULTRA PANEL                 |
| Stated output | 199.8lm per panel                |
| Description   | LED Panel, RED, 24V, 9.52W/Panel |

■ ELECTRICAL CHARACTERISTICS

|                       |       |
|-----------------------|-------|
| Input Voltage (V DC)  | 24    |
| Input power (WDC)     | 9.52  |
| Input Current (mA DC) | 400mA |

■ LIGHT OUTPUT

|                             |       |
|-----------------------------|-------|
| Total light output (Lumens) | 199.8 |
| Luminaire efficacy (lm/W)   | 20.99 |
| Beam angle                  | 120°  |

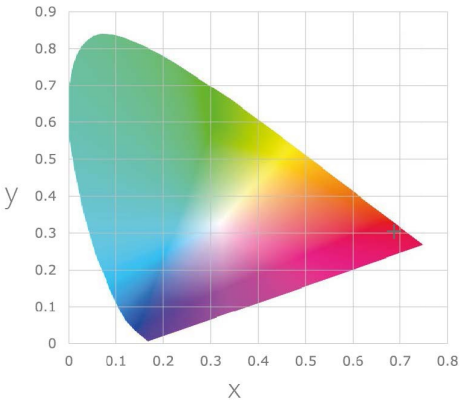
■ COLOUR CHARACTERISTICS

|                                           |                |
|-------------------------------------------|----------------|
| Correlated colour temperature (CCT)       | 1000K          |
| Colour rendering index (CRI, Ra)          | 29.4           |
| Chromaticity coordinates (CIE 1931 - x,y) | 0.6920, 0.3035 |

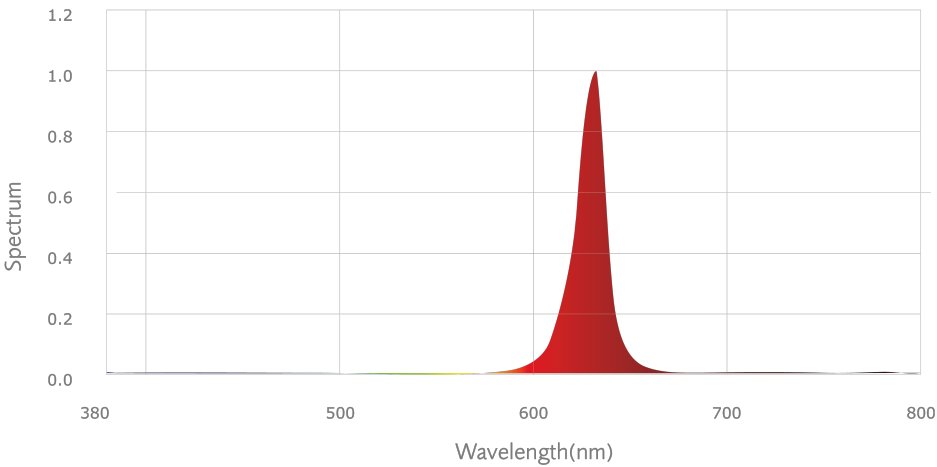
COLOUR RENDERING INDEX

| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|
| 12 | 80 | 35 | 0  | 13 | 94 | 2  | 0  | 0  | 75  | 3   | 72  | 34  | 63  | 0   |

CHROMATICITY DIAGRAM



SPECTRAL RADIANT FLUX VERSUS WAVELENGTH



■ PRODUCT DETAILS

|               |                                     |
|---------------|-------------------------------------|
| Product name  | RGBW ULTRA PANEL                    |
| Stated output | 601.5lm per panel                   |
| Description   | LED Panel, GREEN, 24V, 10.73W/Panel |

■ ELECTRICAL CHARACTERISTICS

|                       |       |
|-----------------------|-------|
| Input Voltage (V DC)  | 24    |
| Input power (WDC)     | 10.73 |
| Input Current (mA DC) | 450mA |

■ LIGHT OUTPUT

|                             |       |
|-----------------------------|-------|
| Total light output (Lumens) | 601.5 |
| Luminaire efficacy (lm/W)   | 56.06 |
| Beam angle                  | 120°  |

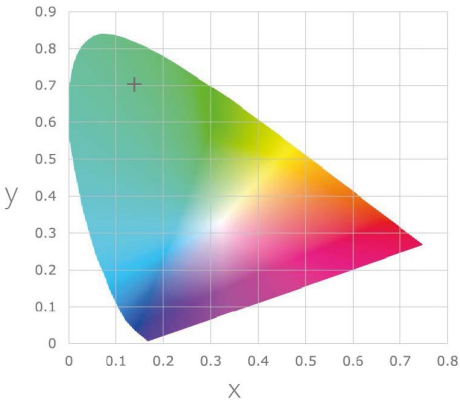
■ COLOUR CHARACTERISTICS

|                                           |                |
|-------------------------------------------|----------------|
| Correlated colour temperature (CCT)       | 8438K          |
| Colour rendering index (CRI, Ra)          | 0.0            |
| Chromaticity coordinates (CIE 1931 - x,y) | 0.1409, 0.7065 |

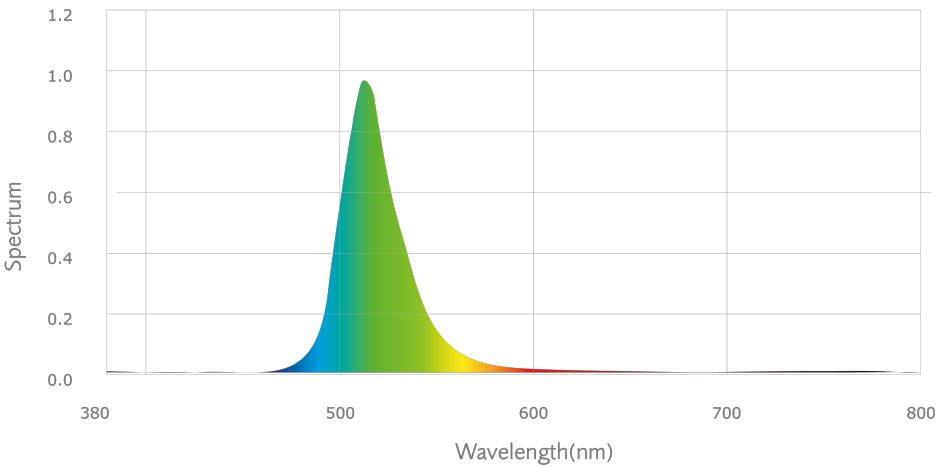
COLOUR RENDERING INDEX

| 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   |

CHROMATICITY DIAGRAM



SPECTRAL RADIANT FLUX VERSUS WAVELENGTH



■ PRODUCT DETAILS

|               |                                    |
|---------------|------------------------------------|
| Product name  | RGBW ULTRA PANEL                   |
| Stated output | 169.1lm per panel                  |
| Description   | LED Panel, BLUE, 24V, 10.26W/Panel |

■ ELECTRICAL CHARACTERISTICS

|                       |       |
|-----------------------|-------|
| Input Voltage (V DC)  | 24    |
| Input power (WDC)     | 10.26 |
| Input Current (mA DC) | 430mA |

■ LIGHT OUTPUT

|                             |       |
|-----------------------------|-------|
| Total light output (Lumens) | 169.1 |
| Luminaire efficacy (lm/W)   | 16.48 |
| Beam angle                  | 120°  |

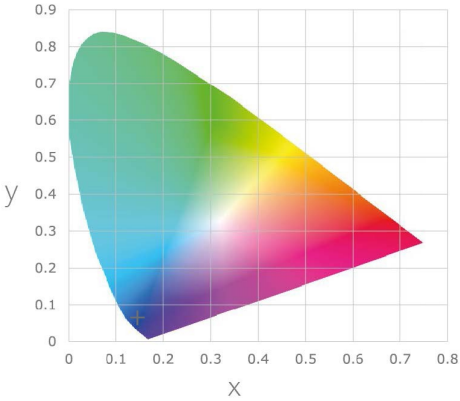
■ COLOUR CHARACTERISTICS

|                                           |                |
|-------------------------------------------|----------------|
| Correlated colour temperature (CCT)       | 100000K        |
| Colour rendering index (CRI, Ra)          | 13.5           |
| Chromaticity coordinates (CIE 1931 - x,y) | 0.1466, 0.0689 |

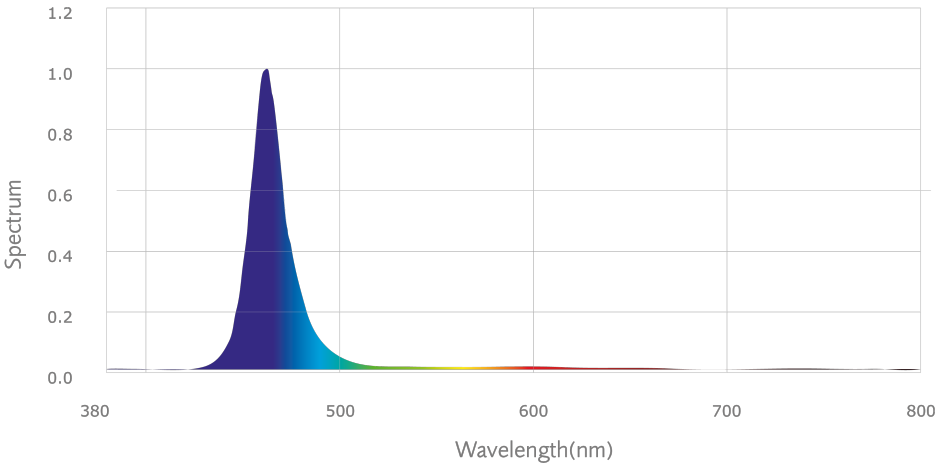
COLOUR RENDERING INDEX

| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|
| 52 | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 25  | 0   | 0   | 44  |

CHROMATICITY DIAGRAM



SPECTRAL RADIANT FLUX VERSUS WAVELENGTH



■ PRODUCT DETAILS

|               |                                     |
|---------------|-------------------------------------|
| Product name  | RGBW ULTRA PANEL                    |
| Stated output | 719.5lm per panel                   |
| Description   | LED Panel, WHITE, 24V, 10.69W/Panel |

■ ELECTRICAL CHARACTERISTICS

|                       |       |
|-----------------------|-------|
| Input Voltage (V DC)  | 24    |
| Input power (WDC)     | 10.69 |
| Input Current (mA DC) | 450mA |

■ LIGHT OUTPUT

|                             |       |
|-----------------------------|-------|
| Total light output (Lumens) | 719.5 |
| Luminaire efficacy (lm/W)   | 67.31 |
| Beam angle                  | 120°  |

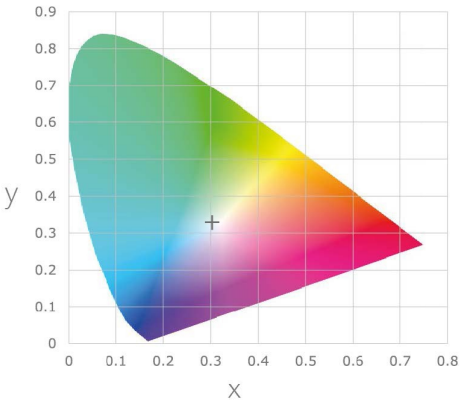
■ COLOUR CHARACTERISTICS

|                                           |                |
|-------------------------------------------|----------------|
| Correlated colour temperature (CCT)       | 6852K          |
| Colour rendering index (CRI, Ra)          | 87.6           |
| Chromaticity coordinates (CIE 1931 - x,y) | 0.3079, 0.3213 |

COLOUR RENDERING INDEX

| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|
| 89 | 98 | 98 | 79 | 84 | 88 | 86 | 78 | 47 | 92  | 82  | 54  | 95  | 99  | 88  |

CHROMATICITY DIAGRAM



SPECTRAL RADIANT FLUX VERSUS WAVELENGTH

