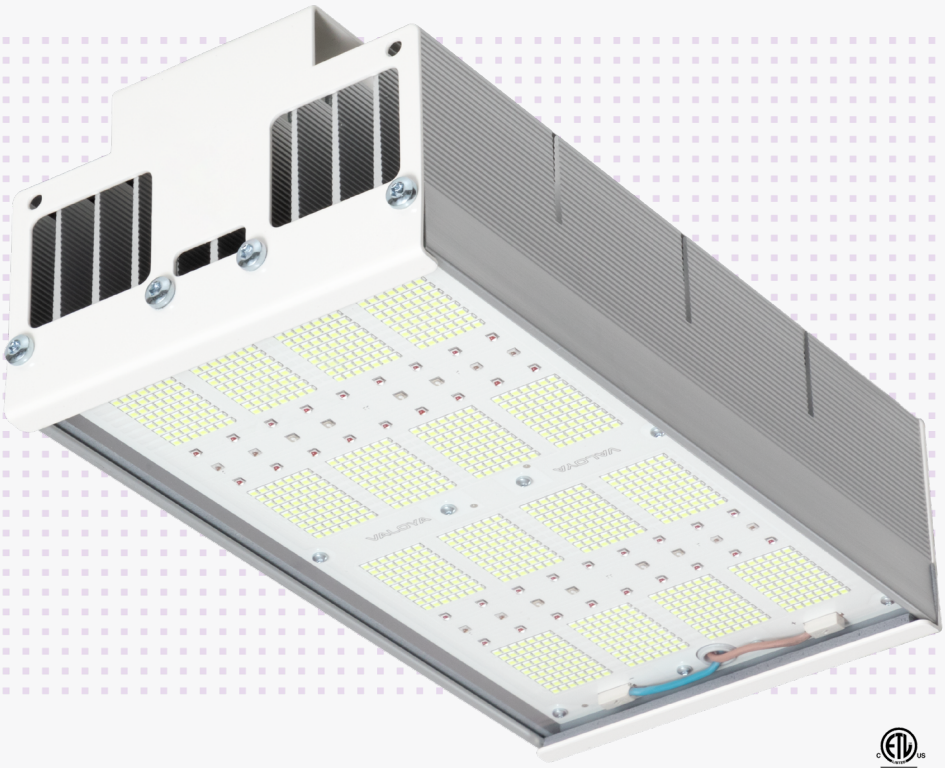
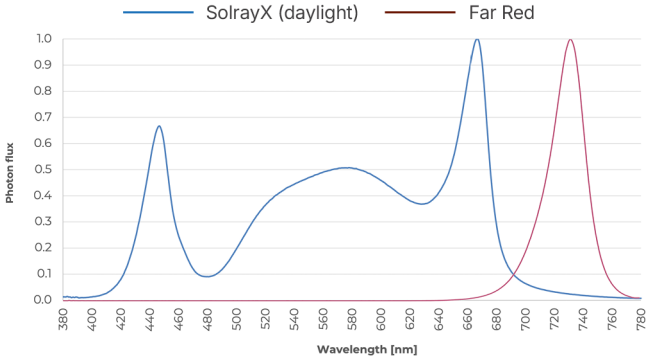
VALOYA



# 2-Ch RX325 SolrayX+FR

## LightDNA: Dynamic Lighting

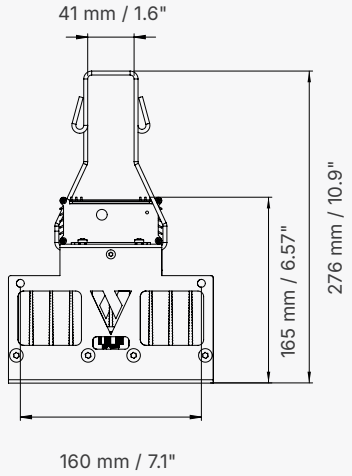
Designed to give researchers full control over the spectrum by combining a daylight spectrum (SolrayX) with an independently controlled, monochromatic far red (FR) channel, enabling dawn and dusk conditions replication, flowering induction and more.

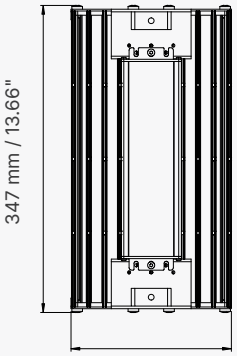



- Up to 845 µmol/s
- IP65 - dust and humidity resistant (wet location rated)
- Dimmable, control system-compatible and easy-to-install

| Spectrum | UV % | B % | G % | R % | FR % | PAR % | CCT | CRI | B:G | B:R | R:FR | Rs:FRs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CH1 - SolrayX | 0 | 19 | 37 | 42 | 2 | 98 | 4500 | 95 | 0.5 | 0.5 | 26 | 37.6 |
| CH2 - Far Red | 0 | 0 | 0 | 4 | 96 | 4 | NA | NA | NA | NA | 4 | 4 |
| Combined | 0 | 14 | 26 | 30 | 30 | 70 | 4800 | 83 | 0.7 | NA | 1.0 | 0.7 |

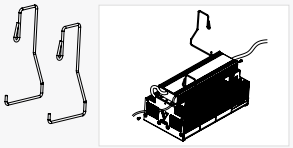
Typical values presented in the tables. Rs:FRs (Sellaro et. al. 2010)



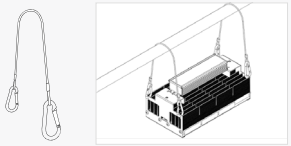




## HANGERS

**Standard** (included)



**Optional** (by order)



| | |
|---|---|
| Input voltage nominal (VAC) | 200-480 |
| Input current @230V (A) | 1,5 |
| Dimming (V) | 0-10 (PWM) |
| IP | 65 (wet location) |
| Frequency (Hz) | 50 / 60 |
| Power factor | > 0,95 |

| | |
|---|---|
| Box weight (kg/lb) | 6,53 / 14.4 |
| Box length (mm/in) | 410 / 16.1 |
| Box width (mm/in) | 205 / 8.1 |
| Box height (mm/in) | 180 / 7.1 |
| Pieces per package | 1 |
| AC mains plug fitted | No (Field installable connector) |

| Spectrum | **Combined:** SolrayX + FR | **CH1 - SolrayX** (daylight spectrum) | **CH2 - FR** (monochromatic far red) |
|---|---|---|---|
| Efficacy (µmol/J) | 2,6 | 2,4 | 3,0 |
| Light output (µmol/s) | 845 | 575 | 270 |
| Power (W) | 325 | 240 | 80 |
| Light intensity decay (hrs) | Q90 54 000 | | |

Channels 1 & 2 measured independently, while the other channel is switched off.

| | |
|---|---|
| Recommended distance from plants (m/in-ft) | 0,5- 4 / 20 - 13.1 |
| Cooling | Passive |
| Ambient operating temp. (°C/°F) | -10...+40 / 14...+104 |
| Minimum cable bending radius | 5x cable diameter |
| Certification and approvals | CE, RoHS, UL/CSA standards, EMC, Low Voltage Directive, Eco-design (EuP) |

| | |
|---|---|
| Min. distance to combustible surfaces (m/in) | 0,1 / 3.9 |
| Storage temperature (°C/°F) | -10...+40 / 14...+104 |
| Maximum relative humidity (%) | 90 (non-condensing) |
| Photobiology safety classif. | Risk Group 1 |
| Warranty | Up to 5 years limited. More at valoya.com/warranty |

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