



## SPYDR 3

The **SPYDR 3** is a high-performance multi-tier solution for commercial horticulture cultivation. Designed for growers to push the envelope with high-PPFD cultivation practices.

## SPECIFICATIONS

|                                               |                                                                           |
|-----------------------------------------------|---------------------------------------------------------------------------|
| Light Source                                  | LED                                                                       |
| Spectrum                                      | PhysioSpec™ Broad R4a, R45, R5                                            |
| Light Output PPF                              | Up to 2,200 µmol/s                                                        |
| Efficacy                                      | Up to 3.0 µmol/J                                                          |
| AC Input Power                                | From 390 W to 800 W                                                       |
| Light Distribution                            | Lambertian                                                                |
| Max. Ambient Temperature/Humidity             | 40°C, 90% RH non-condensing                                               |
| Dimming                                       | Source Signal Driver, 0-10 V,<br>Dim to Off / Dimming: 10-100% (M12 Port) |
| Total Harmonic Distortion (THD)               | < 10% at 100% output                                                      |
| Lifetime (Driver and LED L90)                 | > 50,000 hrs                                                              |
| IP Rating IEC 60529                           | IP66                                                                      |
| Certifications                                | UL 8800, UL 1598 Wet Location, CE/CB, DLC                                 |
| Warranty                                      | 5 Year Limited Warranty                                                   |
| DLC Reported Application<br>Position/Use case | Indoor (Stacked and Non-stacked),<br>Top light/Sole-source                |

## Performance Table

| Model | PhysioSpec™<br>Spectrum | PPF Output<br>[µmol/s] | Wattage @277V<br>[W] | Efficacy<br>[µmol/J] |
|-------|-------------------------|------------------------|----------------------|----------------------|
| 3x47  | Broad R5                | 1190                   | 390                  | 3.0                  |
| 3i33  | Broad R45               | 1450                   | 500                  | 2.9                  |
| 3p47  | Broad R45               | 1750                   | 620                  | 2.8                  |
| 3i47  | Broad R45               | 2020                   | 700                  | 2.9                  |
| 3h47  | Broad R4a               | 2200                   | 800                  | 2.8                  |

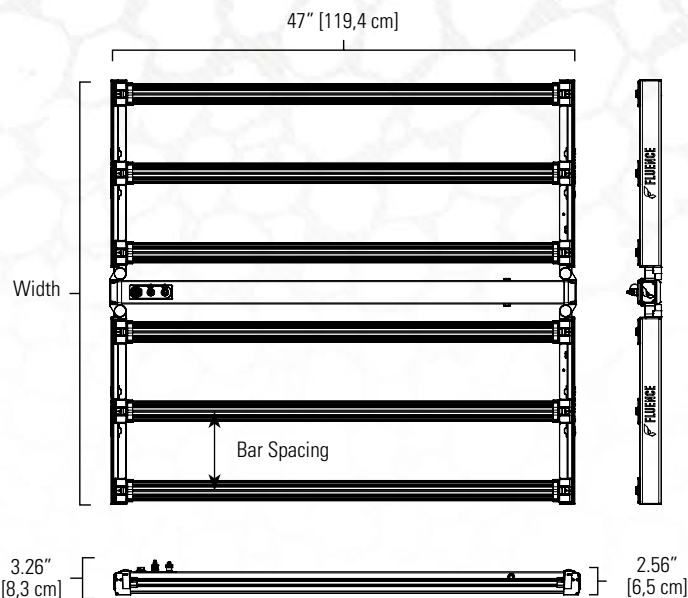
**Disclaimer:** Performance values are from representative tests performed in accordance industry standards listed. Actual application performance may vary due to component tolerances and installation, environmental, and field measurements conditions.

## Ordering Guide

| Family |       | Model                   |                 | PhysioSpec™ SPECTRUM |           | INPUT VOLTAGE |                              | PACK TYPE |             |
|--------|-------|-------------------------|-----------------|----------------------|-----------|---------------|------------------------------|-----------|-------------|
| SR     | SPYDR | <b>3x47</b>             | 390W, 47" x 43" | <b>BW5</b>           | BROAD R5  | <b>LV</b>     | 120-277 V AC<br>208-480 V AC | <b>S</b>  | Single Pack |
|        |       | <b>3i33<sup>2</sup></b> | 500W, 47" x 30" | <b>BW45</b>          | BROAD R45 |               |                              |           |             |
|        |       | <b>3p47</b>             | 620W, 47" x 43" |                      |           |               |                              |           |             |
|        |       | <b>3i47</b>             | 700W, 47" x 43" |                      |           |               |                              |           |             |
|        |       | <b>3h47</b>             | 800W, 47" x 43" | <b>BW4a</b>          | BROAD R4a |               |                              |           |             |

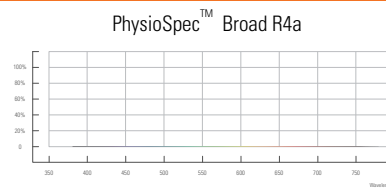
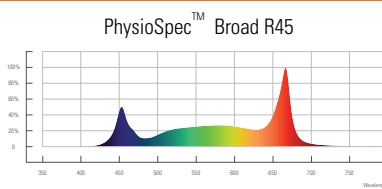
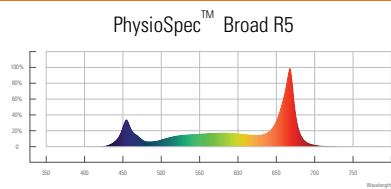
1. Extended lead time applies. Consult Fluence operations for details.
2. Not available in JV 208-480V AC. Only for the North American market.

## DIMENSIONS



| Model     | System Weight      | # of Bars | Bar Spacing   | Width Dim.     |
|-----------|--------------------|-----------|---------------|----------------|
| 3x47      | 17.4 lbs [7,9 kg]  | 4         | 12" [30,5 cm] | 43" [109,2 cm] |
| 3i33      | 17.4 lbs [7,9 kg]  | 4         | 9" [22,8 cm]  | 30" [76,2 cm]  |
| 3p47      | 23.5 lbs [10,7 kg] | 6         | 8" [20,3 cm]  | 43" [109,2 cm] |
| 3i47/3h47 | 26.2 lbs [11,9 kg] | 6         | 8" [20,3 cm]  | 43" [109,2 cm] |

## SPECTRA



## LUMINAIRE

| Description                   | Recommended Applications                                 | Regional Catalog Code          | Ordering PN 12NC Single Pack |
|-------------------------------|----------------------------------------------------------|--------------------------------|------------------------------|
| SPYDR3x47, BW5, 120-277V, SP  | Vegetative or low PPFD flowering without CO <sub>2</sub> | SR-3x47-BW5-LV-S               | 9124 017 02564               |
| SPYDR3x47, BW5, 208-480V, SP  |                                                          | SR-3x47-BW5-JV-S <sup>1</sup>  | 9124 017 02565               |
| SPYDR3i33, BW45, 120-277V, SP | Flowering on 3 FT benches                                | SR-3x33-BW45-LV-S <sup>1</sup> | 9124 017 02566               |
| SPYDR3p47, BW45, 120-277V, SP | Medium PPFD Flowering                                    | SR-3p47-BW45-LV-S              | 9124 017 02567               |
| SPYDR3p47, BW45, 208-480V, SP |                                                          | SR-3p47-BW45-JV-S <sup>1</sup> | 9124 017 02568               |
| SPYDR3i47, BW45, 120-277V, SP | Medium to High PPFD Flowering                            | SR-3i47-BW45-LV-S              | 9124 017 02569               |
| SPYDR3i47, BW45, 208-480V, SP |                                                          | SR-3i47-BW45-JV-S <sup>1</sup> | 9124 017 02570               |
| SPYDR3h47, BW4a, 120-277V, SP | High PPFD Flowering                                      | SR-3h47-BW4a-LV-S              | 9124 017 02571               |
| SPYDR3h47, BW4a, 208-480V, SP |                                                          | SR-3h47-BW4a-JV-S <sup>1</sup> | 9124 017 02572               |

1. Extended leadtime applies. Consult Fluence operations for details.

## MOUNTING HARWARE

| Description                         | Pcs per kits | Regional Commercial Code | Ordering PN 12NC Single Pack (-S) | Ordering PN 12NC Bulk Pack (-B) | Bulk Pack Carton Quantity |
|-------------------------------------|--------------|--------------------------|-----------------------------------|---------------------------------|---------------------------|
| Adjustable Lance Hanging Kit        | 2            | MT-SR-GM-05              | 9124 017 01641                    | 9124 016 55893                  | 10                        |
| Lance Wire Hanger Kit               | 2            | MT-SR-M2-XX              | 9124 017 01633                    | 9124 016 88765                  | 20                        |
| Adjustable 4-Point VAS Mounting Kit | 4            | MR-S3-VL-AJ              | 9124 017 07102                    |                                 | N/A                       |

## DIMMING SIGNAL CABLE

| Description                                                              | Region        | Regional Commercial Code       | Ordering PN 12NC Single Pack (S) | Ordering PN 12NC Bulk Pack (B) | Bulk Pack Carton Quantity |
|--------------------------------------------------------------------------|---------------|--------------------------------|----------------------------------|--------------------------------|---------------------------|
| 11 IN (28 cm) Dimming Signal Cable, Pigtail, M12 Connector               | North America | CCA-XXU3T2FL3X0.3              | 9124 017 01621                   | 9124 016 55902                 | 10                        |
| 5 FT (1.52 m) Dimming Signal Cable, Pigtail, M12 Connector               | North America | CCA-XXU3T2FL3X1.5              | 9124 017 01622                   | 9124 016 55881                 | 10                        |
| 80 cm (31,5 IN) Dimming Signal Cable, Cca, Pigtail, M12 Connector        | Europe/ROW    | CCE-XXC3T2FL3X0.8 <sup>1</sup> | 9124 017 01623                   | 9124 016 55883                 | 10                        |
| 12 FT (3.6 m) Dimming Signal Cable, Daisy Chain, M12 Connector, M/F      | North America | DFUET-4T2M4T2F3.6              | 9124 017 01732                   | 9124 016 56189                 | 5                         |
| 3.6 m (12 FT) Dimming Signal Cable, Daisy Chain, Cca, M12 Connector, M/F | Europe/ROW    | DFCET-4T2M4T2F3.6 <sup>1</sup> | 912401701740                     | 912401656201                   | 5                         |
| 1.5 m (5 FT) Dimming Signal Cable, Daisy Chain, Cca, M12 Connector, M/F  | Europe/ROW    | DFCET-4T2M4T2F1.5 <sup>1</sup> | 912401701739                     | 912401656199                   | 10                        |

1. Extended leadtime applies. Consult Fluence operations for details.

AC POWER CABLE (Power Supply to AC Line)

| Description                                                                      | Region        | Regional Commercial Code | Ordering PN 12NC Single Pack (S) | Ordering PN 12NC Bulk Pack (B) | Bulk Pack Carton Quantity |
|----------------------------------------------------------------------------------|---------------|--------------------------|----------------------------------|--------------------------------|---------------------------|
| 6 FT (1.83 m) AC Extension Cable, NEMA 6-15P Plug, M19 Push Lock, Max 250 V AC   | North America | CAA-XXU3P9FN6P1.8        | 9124 017 01613                   | 9124 016 88456                 | 10                        |
| 6 FT (1.83 m) AC Extension Cable, NEMA L7-15P Plug, M19 Push Lock, Max 277 V AC  | North America | CAA-XXU3P9FL7P1.8        | 9124 017 01625                   | 9124 016 55898                 | 10                        |
| 6 FT (1.83 m) AC Extension Cable, Pigtail, M19 Push Lock, Max 480 V AC           | North America | CAA-XXU3P9FL3X1.8        | 9124 017 01624                   | 9124 016 55875                 | 10                        |
| 15 FT (4.57 m) AC Extension Cable, NEMA 6-15P Plug, M19 Push Lock, Max 250 V AC  | North America | CAA-XXU3P9FN6P4.6        | 9124 017 01614                   | 9124 016 88457                 | 5                         |
| 15 FT (4.57 m) AC Extension Cable, NEMA L7-15P Plug, M19 Push Lock, Max 277 V AC | North America | CAA-XXU3P9FL7P4.6        | 9124 017 01626                   | 9124 016 55899                 | 5                         |
| 15 FT (4.57 m) AC Extension Cable, Pigtail, M19 Push Lock, Max 480 V AC          | North America | CAA-XXU3P9FL3X4.6        | 9124 017 01610                   | 9124 016 88461                 | 5                         |
| 6 FT (1.83 m) AC Cable, AXH3, Type I SAA Plug, M19 Push Lock Female              | Australia     | CAZ-XXS3P9FTIP1.8'       | 9124 017 01618                   | 9124 016 88467                 | 10                        |
| 6 FT (1.83 m) AC Cable, VDE H07RN-F, Pigtail, M19 Push Lock (CE countries)       | Europe/ROW    | CAR-XXV3P9FL3X1.8'       | 9124 017 01616                   | 9124 016 88464                 | 10                        |

NOMINAL ELECTRICAL AC INPUT

| Product Configuration | AC Voltage     | 120 V | 208 V | 230 V | 240V  | 277 V | 347 V | 400 V | 480 V |
|-----------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|
| 3x47-BW5-LV           | AC Current [A] | 3.49  | 2.02  | 1.8   | 1.72  | 1.54  | -     | -     | -     |
|                       | AC Power [W]   | 415   | 408   | 403   | 400   | 400   | -     | -     | -     |
| 3x47-BW5-JV           | AC Current [A] | -     | 2.04  | 1.85  | 1.77  | 1.54  | 1.23  | 1.08  | 0.91  |
|                       | AC Power [W]   | -     | 413   | 409   | 408   | 405   | 403   | 401   | 400   |
| 3i33-BW45-LV          | AC Current [A] | 4.33  | 2.49  | 2.25  | 2.18  | 1.91  | -     | -     | -     |
|                       | AC Power [W]   | 515   | 504   | 503   | 503   | 503   | -     | -     | -     |
| 3p47-BW45-LV          | AC Current [A] | 5.198 | 3.02  | 2.699 | 2.62  | 2.29  | -     | -     | -     |
|                       | AC Power [W]   | 621   | 610   | 604   | 603   | 603   | -     | -     | -     |
| 3p47-BW45-JV          | AC Current [A] | -     | 2.95  | 2.69  | 2.58  | 2.25  | 1.8   | 1.557 | 1.307 |
|                       | AC Power [W]   | -     | 603   | 601   | 601   | 600   | 600   | 598   | 596   |
| 3i47-BW45-LV          | AC Current [A] | 6.284 | 3.56  | 3.204 | 3.09  | 2.71  | -     | -     | -     |
|                       | AC Power [W]   | 739   | 720   | 715   | 714   | 714   | -     | -     | -     |
| 3i47-BW45-JV          | AC Current [A] | -     | 3.49  | 3.182 | 3.05  | 2.66  | 2.13  | 1.847 | 1.54  |
|                       | AC Power [W]   | -     | 713   | 710   | 709   | 708   | 706   | 702   | 696   |
| 3h47-BW4a-LV          | AC Current [A] | 6.97  | 3.99  | 3.608 | 3.489 | 3.03  | -     | -     | -     |
|                       | AC Power [W]   | 829   | 810   | 805   | 804   | 798   | -     | -     | -     |
| 3h47-BW4a-JV          | AC Current [A] | -     | 3.91  | 3.572 | 3.41  | 2.98  | 2.37  | 2.04  | 1.716 |
|                       | AC Power [W]   | -     | 798   | 797   | 795   | 795   | 791   | 786   | 783   |

\* At 77°F (25°C) ambient temperature