# 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.

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# SPYDR 3

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## SPECIFICATIONS

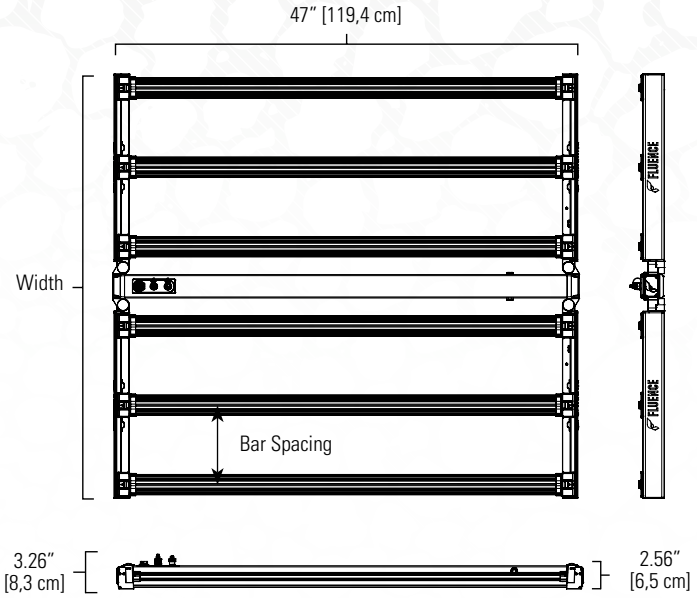
| | |
|---|---|
| Light Source | LED |
| Spectrum | PhysioSpec™ Broad R4a, R45, R5 |
| Light Output PPF | Up to 2,200 µmol/s |
| Efficacy | Up to 3.0 µmol/J |
| AC Input Power | From 390 W to 800 W |
| Light Distribution | Lambertian |
| Max. Ambient Temperature/Humidity | 40°C, 90% RH non-condensing |
| Dimming | Source Signal Driver, 0-10 V, 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 Position/Use case | Indoor (Stacked and Non-stacked), Top light/Sole-source |

## Performance Table

| Model | PhysioSpec™ Spectrum | PPF Output [µmol/s] | Wattage @277V [W] | Efficacy [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.

## 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] |

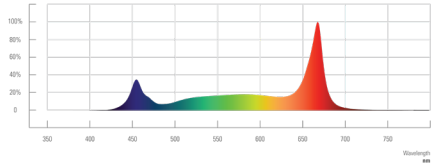
## Ordering Guide

| Family | Model | PhysioSpec™ SPECTRUM | INPUT VOLTAGE | PACK TYPE |
|---|---|---|---|---|
| **SR** SPYDR | **3x47** 390W, 47" x 43" | **BW5** BROAD R5 | **LV** 120-277 V AC<br>**JV**[1] 208-480 V AC | **S** Single Pack |
| | **3i33**[2] 500W, 47" x 30"<br>**3p47** 620W, 47" x 43"<br>**3i47** 700W, 47" x 43" | **BW45** BROAD R45 | | |
| | **3h47** 800W, 47" x 43" | **BW4a** BROAD R4a | | |

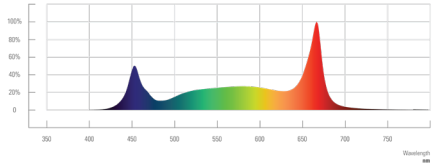
1. Extended lead time applies. Consult Fluence operations for details.
2. Not available in JV 208-480V AC. Only for the North American market.

## SPECTRA

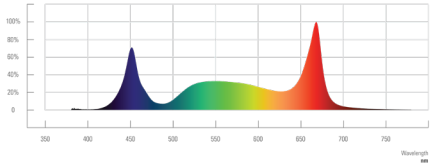
PhysioSpec™ Broad R5



PhysioSpec™ Broad R45



PhysioSpec™ Broad R4a

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Horticultural lighting | Not suitable for household illumination.

# SPYDR 3 LED MULTI TIER

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## LUMINAIRE

| Description | Recommended Applications | Regional Catalog Code | Ordering PN 12NC Single Pack |
|---|---|---|---|
| SPYDR3x47, BW5, 120-277V, SP | Vegetative or low PPFD flowering without $CO_2$ | SR-3x47-BW5-LV-S | 9124 017 02564 |
| SPYDR3x47, BW5, 208-480V, SP | | SR-3x47-BW5-JV-S[1] | 9124 017 02565 |
| SPYDR3i33 ,BW45,120-277V, SP | Flowering on 3 FT benches | SR-3x33-BW45-LV-S[1] | 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[1] | 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[1] | 9124 017 02570 |
| SPYDR3h47,BW4a,120-277V,SP | High PPFD Flowing | SR-3h47-BW4a-LV-S | 9124 017 02571 |
| SPYDR3h47,BW4a,208-480V,SP | | SR-3h47-BW4a-JV-S[1] | 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[1] | 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[1] | 912401701740 | 912401656201 | 5 |
| 1.5 m (5 FT) Dimming Signal Cable, Daisy Chain, Cca, M12 Connector, M/F | Europe/ROW | DFCET-4T2M4T2F1.5[1] | 912401701739 | 912401656199 | 10 |

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

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# SPYDR 3 LED MULTI TIER

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## 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[1] | 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[1] | 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

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