

# Xd24

## MID-HIGH OUTPUT | 3-IN CANOPY MOUNT FIXTURE

# SOLAIS®

PROJECT \_\_\_\_\_

TYPE \_\_\_\_\_

SPECIFICATION \_\_\_\_\_

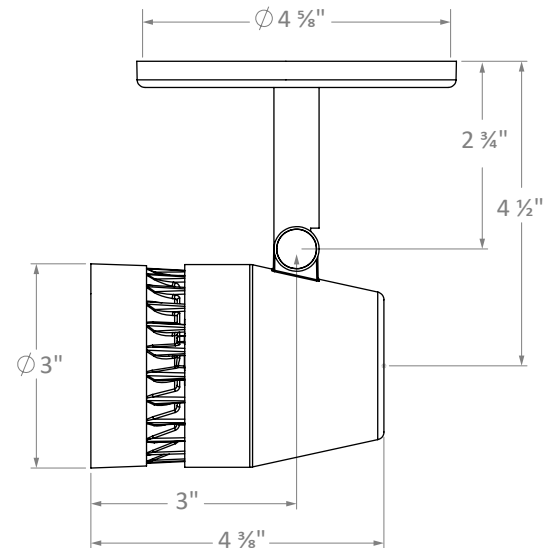
- 120 V
  - 50,000 hours (L70)
  - Integrated driver
  - 360° rotation; 0-90° head tilt
  - UL certified for dry locations
  - DesignLights Consortium® Certification (DLC) options
  - RoHS-compliant
  - Power on/off switch on adapters
  - 0-10 V\*, Triac and ELV dimming; compatibility list available
  - VioLight and MonoWhite\* color rendering enhancements available
  - \* 90+ High CRI available.
- To order, replace 'K' in CCT designation with 'h' in code below



### Ordering Information

Example: Xd24/25/30K/2000/WH/CM/SN

| Fixture | Beam Spread | CCT / Lumens | Exterior Finish     | Mounting           | Options                              |
|---------|-------------|--------------|---------------------|--------------------|--------------------------------------|
| Xd24    | COB-optic   | 25K* / 1400  | WH - White          | CM* - Canopy Mount | HL - Honeycomb Louver                |
|         | 15c         | 27K / 1550   | BK - Black          |                    | SL - Linear Spread                   |
|         | 25c         | 30K / 1600   | SV - Silver         |                    | SP - Prismatic Spread                |
|         | 40c         | 30m* / 1600  | PW* - Perfect White |                    | SS - Solite Spread                   |
|         | 60c         | 35K* / 1600  |                     |                    | SF - Frosted Spread                  |
|         |             | 35m* / 1600  |                     |                    | O10 - 0-10 V Dimming*                |
|         |             | 40K* / 1600  |                     |                    | EM - Emergency Backup Microinverter* |
|         |             | 25K* / 2000  |                     |                    | More Accessories Available           |
|         |             | 27K / 2000   |                     |                    |                                      |
|         |             | 30K / 2000   |                     |                    |                                      |
|         |             | 30m* / 2000  |                     |                    |                                      |
|         |             | 35K* / 2000  |                     |                    |                                      |
|         |             | 35m* / 2000  |                     |                    |                                      |
|         |             | 40K* / 2000  |                     |                    |                                      |
|         | Multi-optic | 30v / 1850   |                     |                    |                                      |
|         | 15          | 27K / 2300   |                     |                    |                                      |
|         | 25          | 30K / 2400   |                     |                    |                                      |
|         | 40          | 35K* / 2400  |                     |                    |                                      |
|         | 60          | 40K* / 2400  |                     |                    |                                      |
|         |             | 27K / 3000   |                     |                    |                                      |
|         |             | 30K / 3000   |                     |                    |                                      |
|         |             | 35K* / 3000  |                     |                    |                                      |
|         |             | 40K* / 3000  |                     |                    |                                      |



Weight: 20.8 oz.

\*Consult factory for lead time and availability

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PHOTOMETRIC DETAILS | baseline X output multiplier X cri-cct multiplier = final output

COB OPTIC: Baseline data for 22 W, 2000 lumens, 80+ CRI, 3000K

**Xd24/15c/30K/2000**

Input Power: 22.5 W  
Lumens: 1868 lm  
Efficacy: 82.9 lm/W  
Beam Angle: 19.2°  
Field Angle: 49.1°

| ∠   | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 7831 | 7831 | 7831 |
| 5°  | 6438 | 6425 | 6339 |
| 10° | 3671 | 3628 | 3524 |
| 15° | 1830 | 1823 | 1789 |
| 20° | 1088 | 1090 | 1069 |
| 25° | 726  | 736  | 709  |
| 30° | 501  | 516  | 496  |
| 35° | 342  | 353  | 344  |
| 40° | 233  | 238  | 236  |
| 45° | 157  | 160  | 163  |

**Xd24/25c/30K/2000**

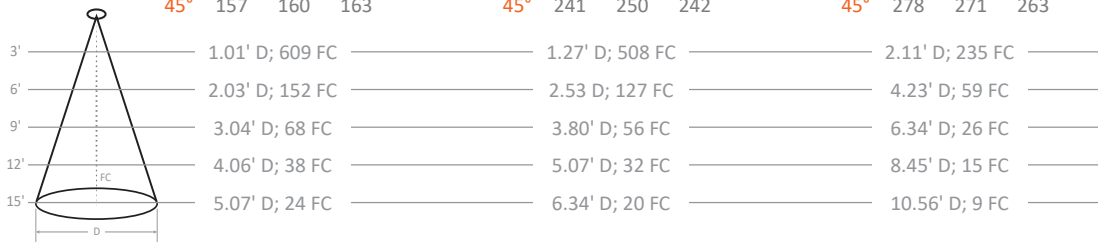
Input Power: 21.9 W  
Lumens: 2200 lm  
Efficacy: 100.3 lm/W  
Beam Angle: 23.9°  
Field Angle: 59.8°

| ∠   | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 6529 | 6529 | 6529 |
| 5°  | 5797 | 5759 | 5621 |
| 10° | 4014 | 3962 | 3803 |
| 15° | 2347 | 2286 | 2202 |
| 20° | 1369 | 1344 | 1311 |
| 25° | 904  | 894  | 874  |
| 30° | 646  | 642  | 628  |
| 35° | 458  | 465  | 453  |
| 40° | 332  | 341  | 331  |
| 45° | 241  | 250  | 242  |

**Xd24/40c/30K/2000**

Input Power: 22.2 W  
Lumens: 2013 lm  
Efficacy: 90.9 lm/W  
Beam Angle: 38.8°  
Field Angle: 85.9°

| ∠   | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 3023 | 3023 | 3023 |
| 5°  | 2893 | 2871 | 2848 |
| 10° | 2530 | 2476 | 2437 |
| 15° | 2026 | 1961 | 1911 |
| 20° | 1511 | 1447 | 1402 |
| 25° | 1073 | 1023 | 987  |
| 30° | 749  | 716  | 690  |
| 35° | 527  | 507  | 491  |
| 40° | 380  | 368  | 357  |
| 45° | 278  | 271  | 263  |



## OUTPUT MULTIPLIER

| Package                        | Optic | Multiplier |
|--------------------------------|-------|------------|
| 18 W<br>1600 lm<br>Xd24<br>COB | 15°   | 0.80       |
|                                | 25°   | 0.80       |
|                                | 40°   | 0.79       |

## CRI-CCT MULTIPLIER

| CRI              | CCT   | Multiplier |
|------------------|-------|------------|
| 8<br>(80+)       | 2200K | 0.86       |
|                  | 2500K | 0.91       |
|                  | 2700K | 0.96       |
|                  | 3000K | 1.00       |
|                  | 3500K | 1.03       |
|                  | 4000K | 1.05       |
| 9<br>(90+)       | 2200K | 0.70       |
|                  | 2500K | 0.77       |
|                  | 2700K | 0.83       |
|                  | 3000K | 0.86       |
|                  | 3500K | 0.89       |
|                  | 4000K | 0.91       |
| M<br>(MonoWhite) | 3000K | 0.86       |
|                  | 3500K | 0.88       |
| V<br>(VioLight)  | 3000K | 0.89       |

MULTI-OPTIC: Baseline data for 26 W, 2400 lumens, 80+ CRI, 3000K

**Xd24/15/30K/2400**

Input Power: 26.4 W  
Lumens: 2636 lm  
Efficacy: 100.0 lm/W  
Beam Angle: 14.8°  
Field Angle: 26.1°

| ∠   | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 32012 | 32012 | 32012 |
| 5°  | 23079 | 22740 | 22414 |
| 10° | 7807  | 8170  | 8147  |
| 15° | 1905  | 1732  | 1527  |
| 20° | 642   | 512   | 463   |
| 25° | 268   | 253   | 255   |
| 30° | 157   | 151   | 150   |
| 35° | 99    | 91    | 89    |
| 40° | 72    | 66    | 62    |
| 45° | 55    | 52    | 51    |

**Xd24/25/30K/2400**

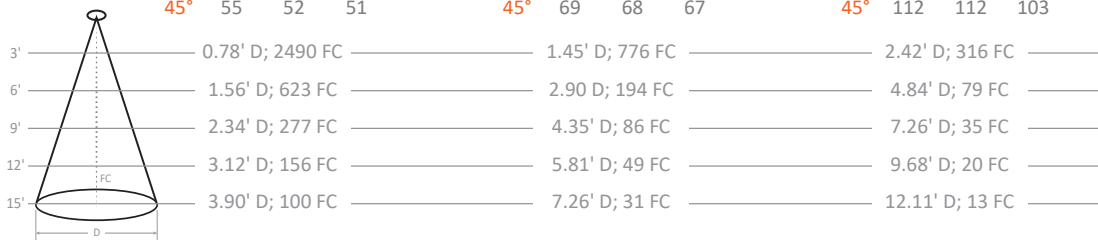
Input Power: 26.4 W  
Lumens: 2573 lm  
Efficacy: 97.4 lm/W  
Beam Angle: 27.2°  
Field Angle: 48.4°

| ∠   | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 9977 | 9977 | 9977 |
| 5°  | 9134 | 9161 | 9195 |
| 10° | 6880 | 6928 | 6963 |
| 15° | 4125 | 4130 | 4112 |
| 20° | 1967 | 1951 | 1931 |
| 25° | 824  | 797  | 783  |
| 30° | 367  | 340  | 323  |
| 35° | 191  | 172  | 164  |
| 40° | 111  | 103  | 99   |
| 45° | 69   | 68   | 67   |

**Xd24/40/30K/2400**

Input Power: 26.4 W  
Lumens: 2385 lm  
Efficacy: 90.5 lm/W  
Beam Angle: 44.0°  
Field Angle: 71.7°

| ∠   | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 4057 | 4057 | 4057 |
| 5°  | 4083 | 3943 | 3829 |
| 10° | 3913 | 3706 | 3506 |
| 15° | 3452 | 3328 | 3021 |
| 20° | 2599 | 2596 | 2302 |
| 25° | 1651 | 1710 | 1532 |
| 30° | 913  | 969  | 889  |
| 35° | 456  | 488  | 459  |
| 40° | 221  | 238  | 225  |
| 45° | 112  | 112  | 103  |



## OUTPUT MULTIPLIER

| Package                                | Optic | Multiplier |
|----------------------------------------|-------|------------|
| 20 W<br>1850 lm<br>Xd24<br>Multi-optic | 15°   | 0.70       |
|                                        | 25°   | 0.72       |
|                                        | 40°   | 0.78       |

| Package                                | Optic | Multiplier |
|----------------------------------------|-------|------------|
| 28 W<br>3000 lm<br>Xd24<br>Multi-optic | 15°   | 1.13       |
|                                        | 25°   | 1.17       |
|                                        | 40°   | 1.12       |

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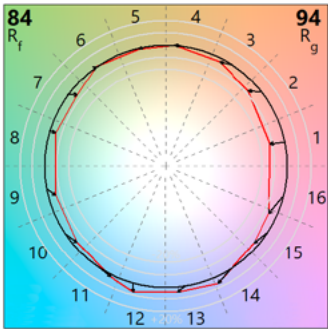
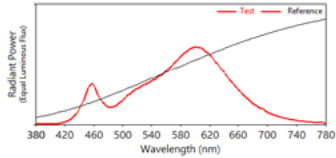
PROJECT

TYPE

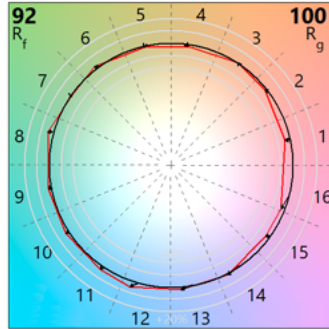
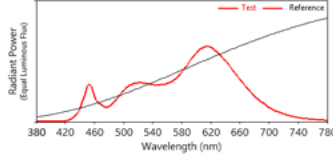
SPECIFICATION

### TM30 COLOR REPORTS

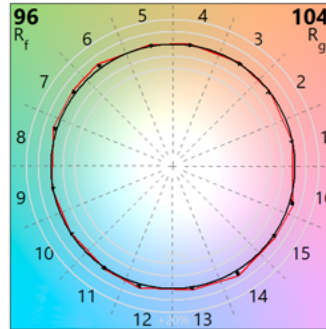
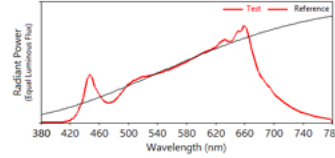
- 3000K with 80+ CRI
- $R_f = 84$ ;  $R_g = 94$
- $R_A = 82$ ;  $R_9 = 11$



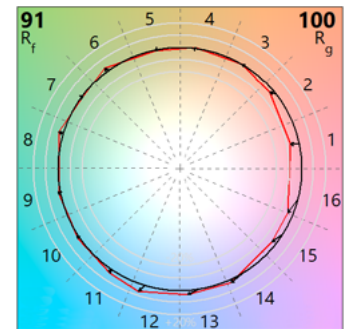
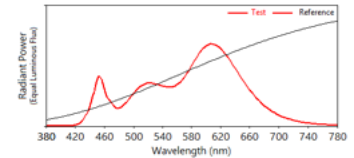
- 3000K with 90+ CRI
- $R_f = 92$ ;  $R_g = 100$
- $R_A = 93$ ;  $R_9 = 56$



- 3000K with 97+ CRI
- $R_f = 96$ ;  $R_g = 104$
- $R_A = 97$ ;  $R_9 = 98$



- 3000K with MonoWhite
- $R_f = 91$ ;  $R_g = 100$
- $R_A = 91$ ;  $R_9 = 42$



Luxiance utilizes active cooling to remove heat from the LED system - allowing Solais LED lamps to operate cooler, resulting in superior life, light output, and performance.



Thermal Throttle – In the event that Solais products begin to overheat, they will undetectably dim themselves to protect your technology investments.

**WARNING:** Not for use in fully enclosed luminaires. Risk of electric shock. Use in an indoor, dry location only. This device is not intended for use with emergency exit fixtures or emergency exit lights. May not be compatible with all dimmers; please visit [solais.com/dimming](http://solais.com/dimming) for up-to-date dimmer compatibility information.

**NOTES:** This device complies with Part 15 of the FCC Rule. This product may cause interference with other devices. If interference occurs, change the locations of the products involved. **Compatible on 120v systems.**



VioLight radiates superior quality, enhancing colors in merchandise, making colors more vibrant and offering a truly competitive LED replacement for CMH-like crispness.