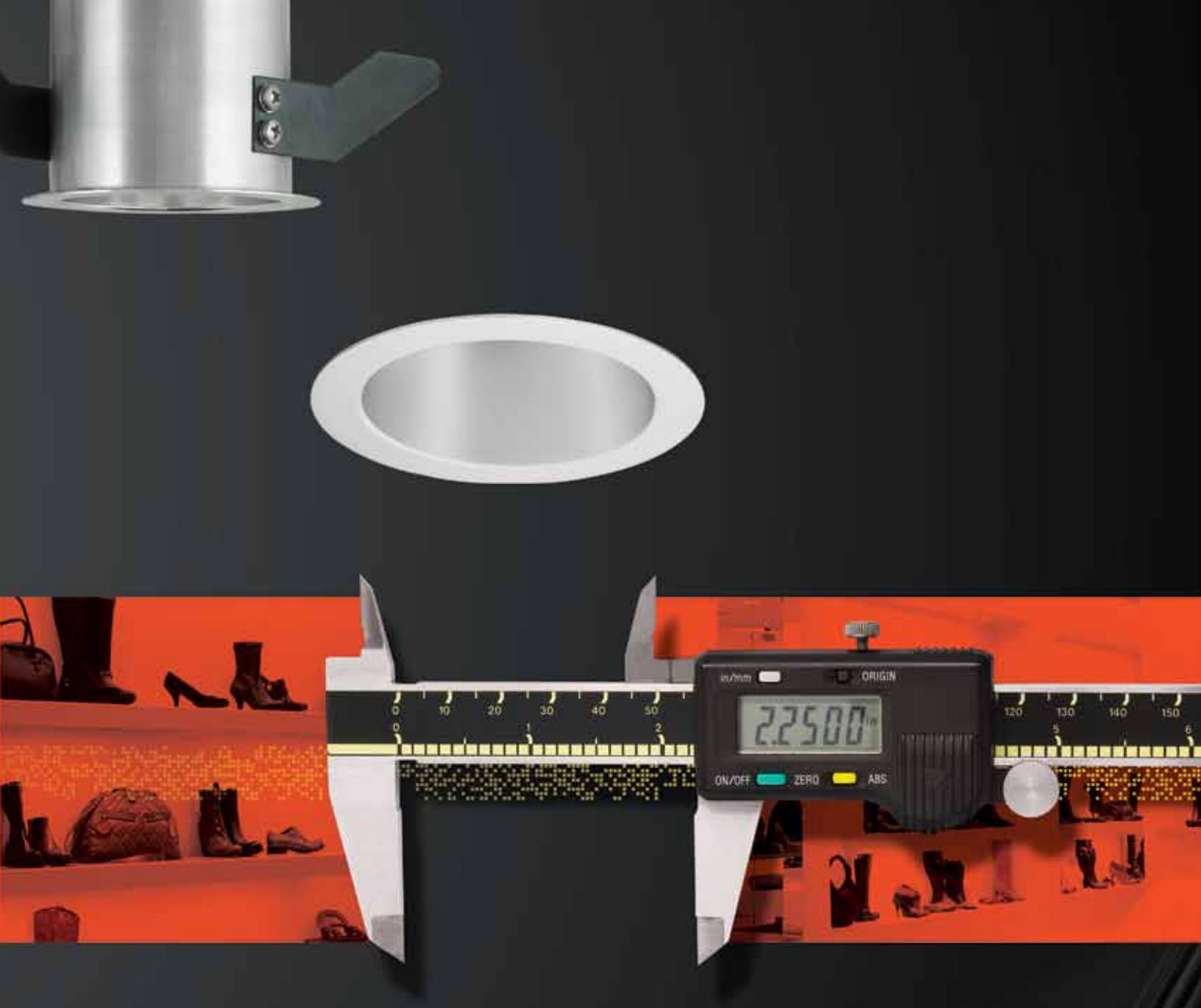



# D2 LED

## 2" LED RECESSED DOWNLIGHTS

prescolite
ABOVE AND BEYOND

Architektūr

# D2 LED

## 2" LED RECESSED DOWNLIGHTS

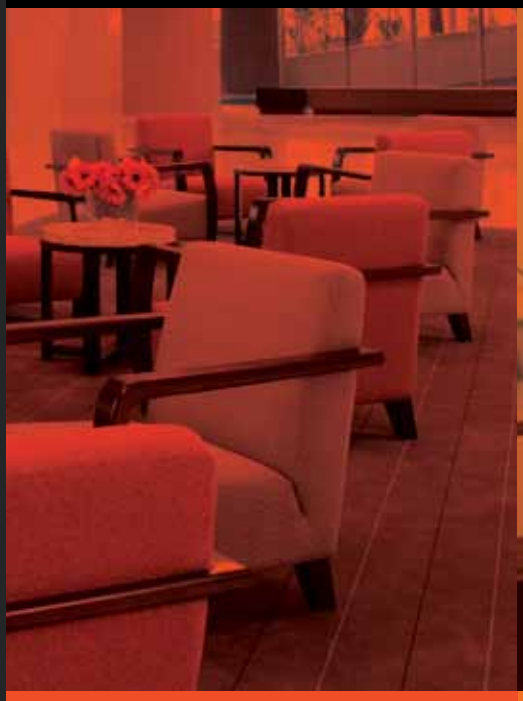
**TABLE OF CONTENTS**

## PRESCOLITE'S REVOLUTIONARY 2" LED DOWNLIGHT – D2LED

Until recently, small aperture 2" LED products were only suitable for niche or accent lighting. With Prescolite's revolutionary 2" LED downlight – D2LED – it's now possible to experience a new dimension in lighting design for commercial applications.

Designed around the precision Xicato brand light engine, D2LED offers the opportunity to create clean ceilings with minimal obtrusiveness, while providing general, workable light output in new construction and retrofit applications, such as:

**LOBBIES**



**PROFESSIONAL / OFFICES**

**HOSPITALITY**

**D2LED can also provide task and accent lighting levels.**

## D2LED – CREATED TO MEET THE NEEDS OF THE LIGHTING DESIGN & ARCHITECTURAL COMMUNITY

With D2LED, lighting designers, and architects can have it all – minimal aperture size, efficiency and premium optics – when lighting highly aesthetic environments.

**UNOBTRUSIVE**

Designers can create clean ceilings with minimal obtrusiveness.

**FLEXIBLE**

One fixture is designed to work in new construction or retrofit.

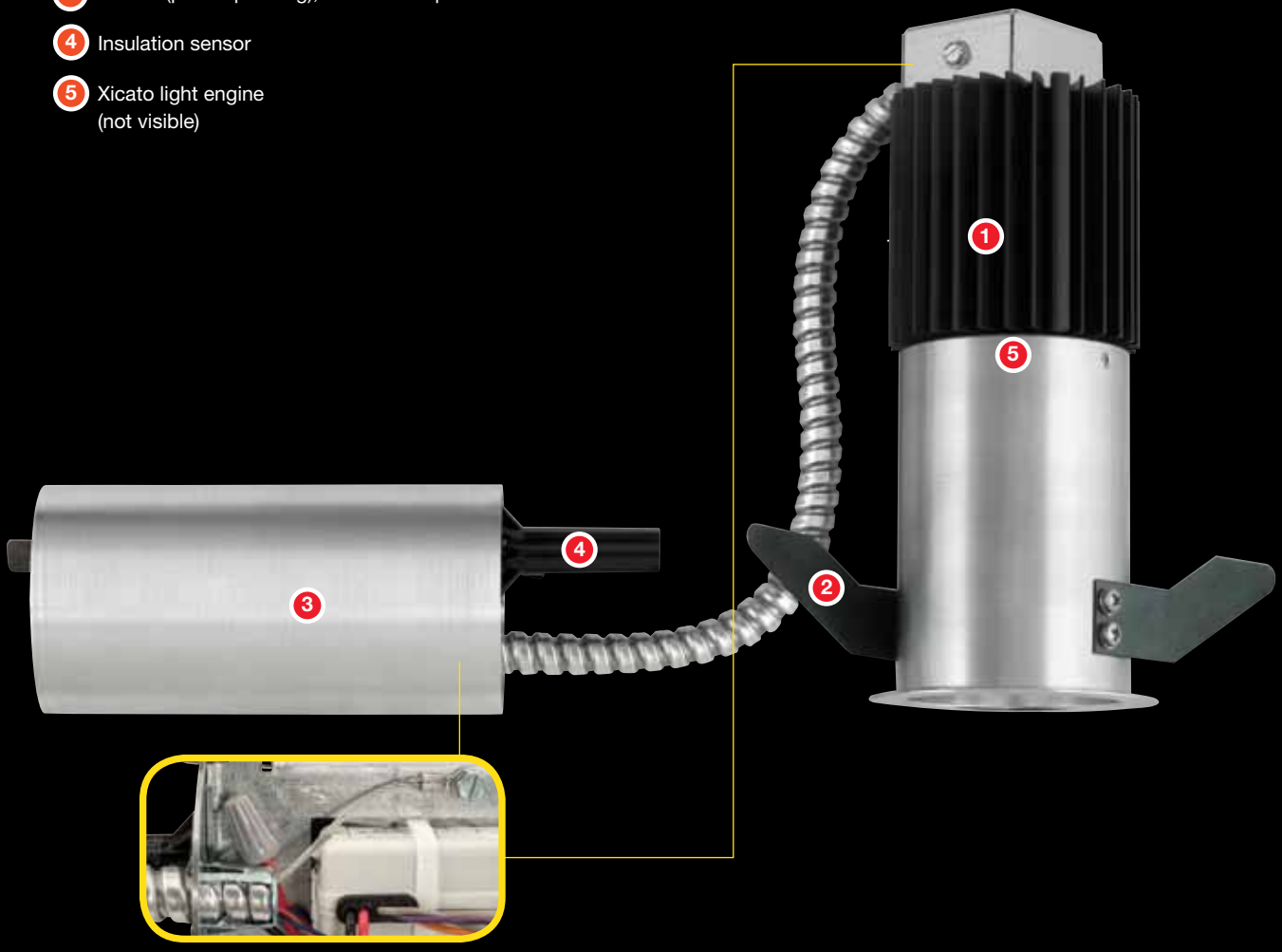
**RETAIL**

**LOUNGE OR BAR AREAS IN RESTAURANTS**

**HIGH-END RESIDENTIAL**

## ANATOMY

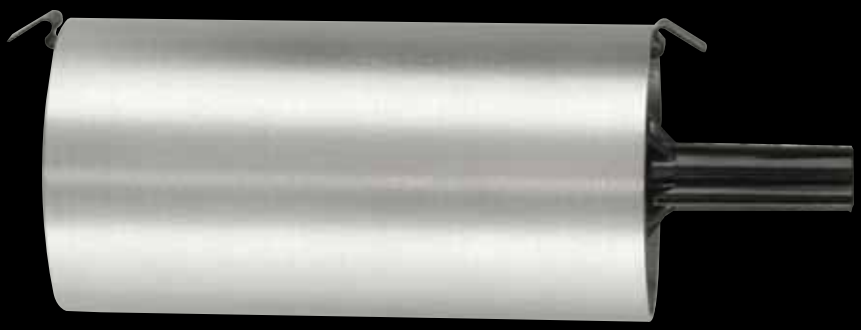
1. Heat sink
2. Fixture retention springs
3. J-Tube (patent pending), no frame required
4. Insulation sensor
5. Xicato light engine (not visible)




D2LED also features a strain relief cable, to prevent any undue pressure from being placed on wire connections.

## PATENT PENDING J-TUBE

Prescolite's patent pending J-Tube design:



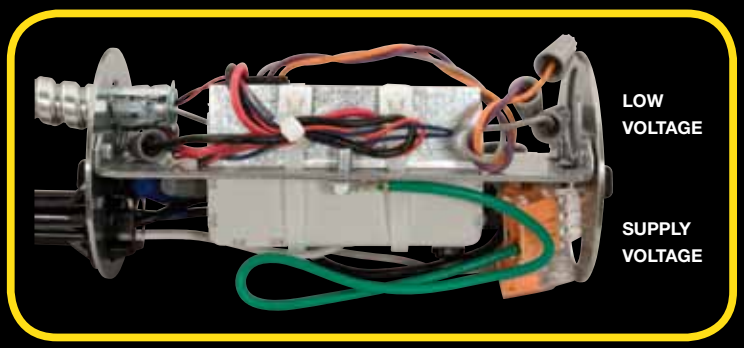
Features ability to through branch (2 in/2 out).

*Arlington connector not shipped with fixture*

Insulation detector provides thermal protection

Accessible/removable from below ceiling

Quick connects



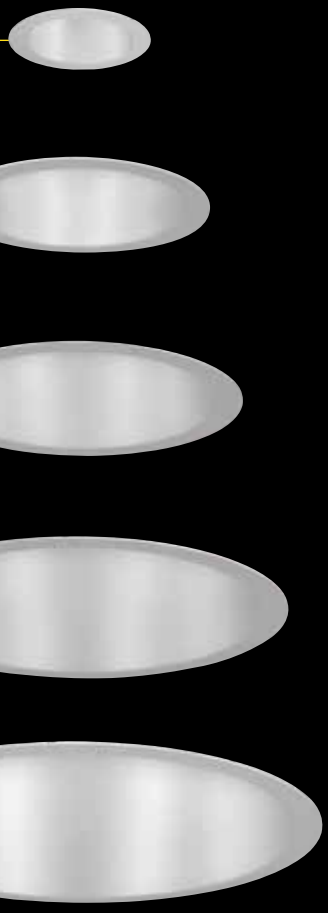

Provides for separation of line and low voltages

## CHALLENGING THE DOWNLIGHTING PARADIGM

The directional nature of the Lambertian distribution of the Xicato remote phosphor LED module provides a unique opportunity to challenge the traditional lighting design model that uses larger aperture downlights.

View the comparison chart below to see how D2LED compares to other downlighting solutions.

| APERTURE DIAMETER | APERTURE AREA | |
|---|---|---|
| 2.25" | 4.0 sq. in. | **D2LED** |
| 4.25" | 14.2 sq. in. | |
| 5.75" | 26.0 sq. in. | |
| 7.75" | 47.2 sq. in. | |
| 9.25" | 67.2 sq. in. | |



It's now possible to create clean ceilings with minimal obtrusiveness using a nominal 2" aperture downlight, while also providing high lumen output (858 delivered lumens) for general applications.

## XICATO MODULE

**D2LED is designed around the premium Xicato light engine that:**

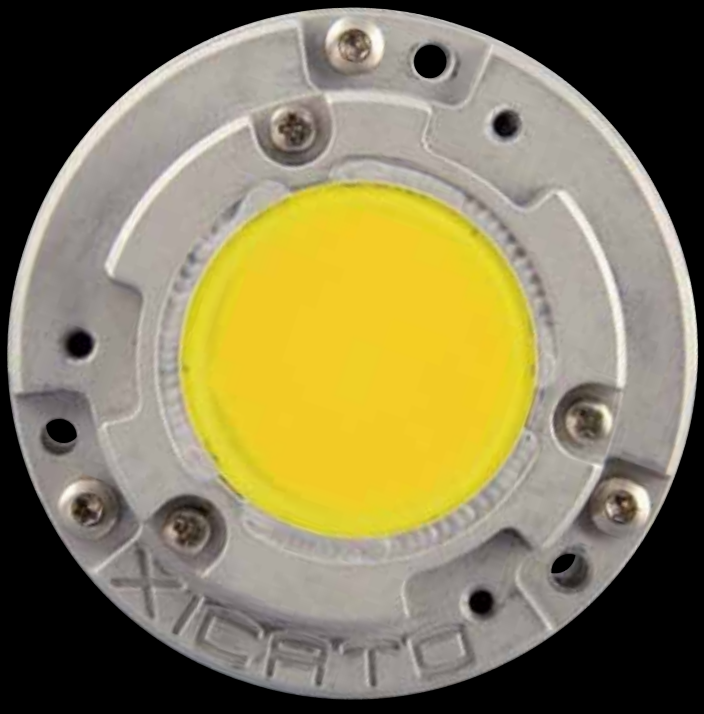
**Uses remote phosphor technology**

**Offers color consistency (2-step MacAdam Ellipse) from fixture to fixture**

**Is thermally manageable and in a small form factor**

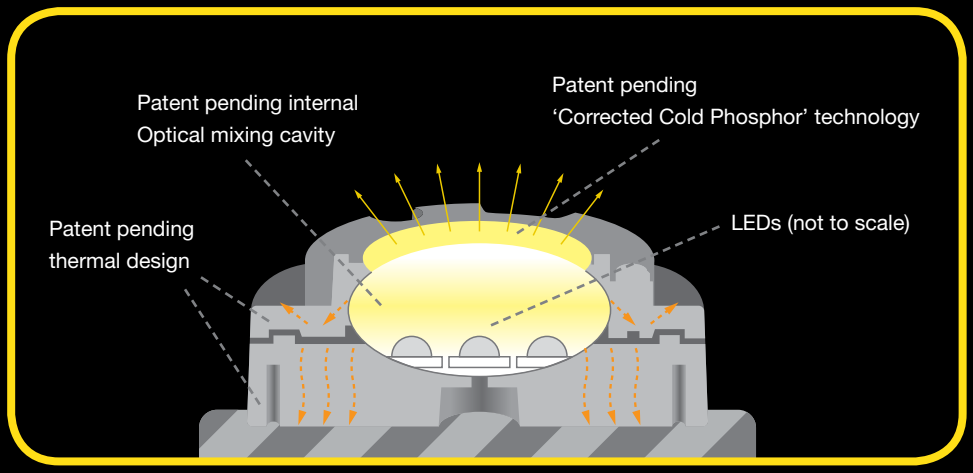
**IP66 rated wet location**

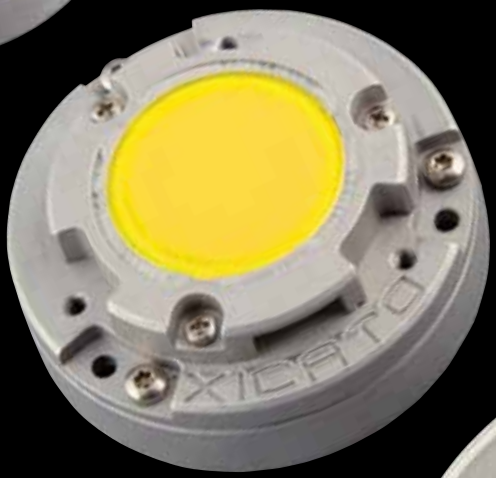
**Features optical consistency**

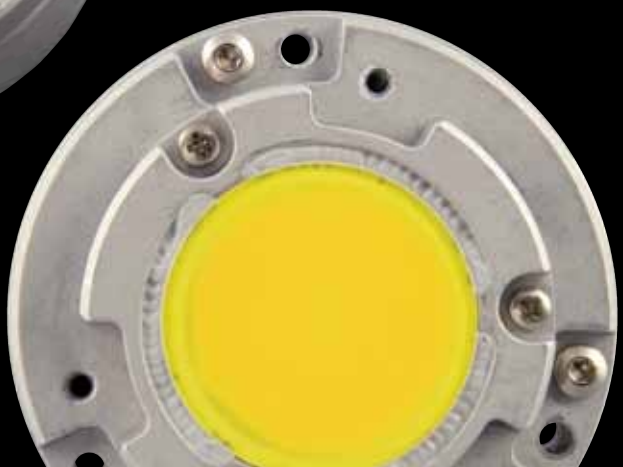



## XICATO XSM TECHNOLOGY

The color corrected cold phosphor technology matches blue LEDs to a phosphor disk to lock in color and provide lighting professionals with the consistency required for architectural applications.



## THERMAL DESIGN

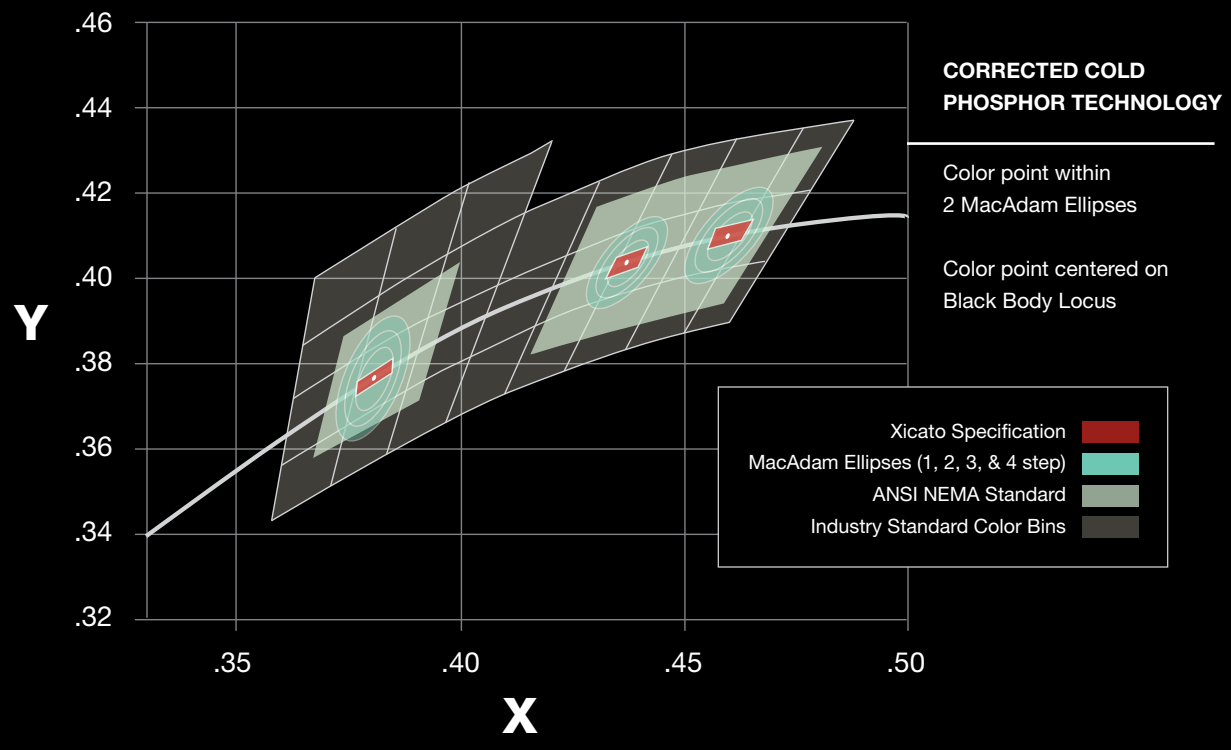
**168 square inches of heat sink surface area**

**LED module operates 20˚ C under Xicato's LM80 maximum fast point with free air flow around the heat sink.**

Prescolite's heat sink features a state-of-the-art design for optimal thermal management. The design provides consistent unrestricted heat flow from the source to the air. This ensures maximum life and consistent color over the fixture's lifespan.

## COLOR CONSISTENCY

The D2LED satisfies the exacting requirements of architectural applications by maintaining color consistency.




### WHAT DOES A 2-STEP MACADAM ELLIPSE MEAN?

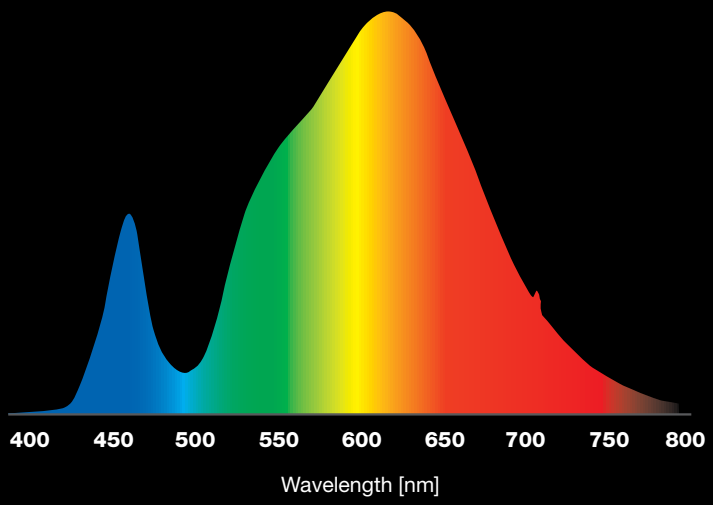
Both of these apples are red, but do they really look the same?

Within a 2-step MacAdam Ellipse, all your apples are the same.

## COLOR SATURATION

The D2LED has precise color levels and maintains R9 Values greater than 15, which matches some traditional sources.

### XICATO SPECTRAL DISTRIBUTION




### XICATO CRI R-VALUES

| | RA | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D2LED 80CRI | 81 | 80 | 85 | 89 | 81 | 78 | 80 | 86 | 66 | 16 | 64 | 79 | 58 | 81 | 93 | 75 |
| Typical Compact Metal Halide | 82 | 90 | 94 | 69 | 82 | 81 | 81 | 87 | 71 | 27 | 59 | 62 | 55 | 93 | 78 | 88 |
| Typical Compact Fluorescent | 82 | 91 | 93 | 86 | 91 | 89 | 90 | 88 | 70 | 17 | 76 | 91 | 81 | 93 | 92 | 81 |

IES Std for CRI

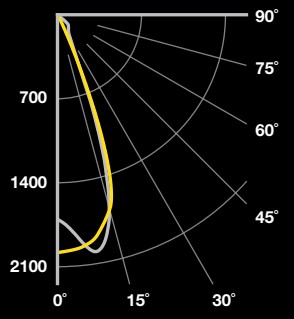
## D2LED COMPARED TO TRADITIONAL SOURCES

**D2LED vs. 50W MR16**
In addition to offering superior optics, D2LED provides flexibility with different beam spreads (25º, 35º and 45º), as well as smooth beam edge and uniformity.

In the chart below, see how D2LED compares to typical 50W MR16 lamp:

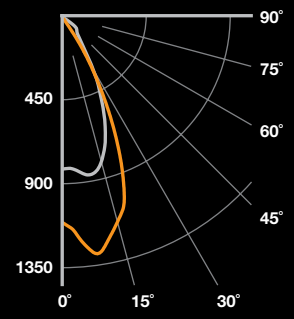
| VARIABLE | D2LED | MR16 |
|---|---|---|
| Beam Edge | Smooth | None |
| Uniformity | Perfect | Irregular and striated |
| Glare | Low | Wide angle, up to 90 |
| Distribution | Defined | Erratic |

*While a handful of small aperture LED products are on the market, none of them have the high output like D2LED – at 858 delivered lumens and 43 lumens per watt.*



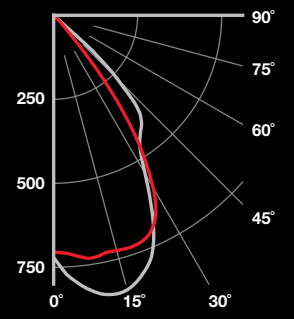

### CANDELA DISTRIBUTION

| D2LED**25°** DEG | D2LED**25°** CANDELA | 40° 50W MR16 DEG | 40° 50W MR16 CANDELA |
|---|---|---|---|
| 0 | 2011 | 0 | 1700 |
| 5 | 1985 | 5 | 1853 |
| 15 | 1705 | 15 | 1650 |
| 25 | 169 | 25 | 308 |
| 35 | 10 | 35 | 153 |
| 45 | 3 | 45 | 125 |
| 55 | 1 | 55 | 36 |
| 65 | 0 | 65 | 25 |
| 75 | 0 | 75 | 22 |
| 85 | 0 | 85 | 20 |
| 90 | 0 | 90 | 22 |




### CANDELA DISTRIBUTION

| D2LED**35°** DEG | D2LED**35°** CANDELA | 55° 50W MR16 DEG | 55° 50W MR16 CANDELA |
|---|---|---|---|
| 0 | 1118 | 0 | 850 |
| 5 | 1226 | 5 | 862 |
| 15 | 1159 | 15 | 891 |
| 25 | 658 | 25 | 455 |
| 35 | 71 | 35 | 167 |
| 45 | 3 | 45 | 105 |
| 55 | 1 | 55 | 54 |
| 65 | 0 | 65 | 15 |
| 75 | 0 | 75 | 4 |
| 85 | 0 | 85 | 1 |
| 90 | 0 | 90 | 0 |




### CANDELA DISTRIBUTION

| D2LED**45°** DEG | D2LED**45°** CANDELA | 26W QUAD / 6" HORIZONTAL CFL DEG | 26W QUAD / 6" HORIZONTAL CFL CANDELA |
|---|---|---|---|
| 0 | 721 | 0 | 713 |
| 5 | 735 | 5 | 792 |
| 15 | 741 | 15 | 850 |
| 25 | 710 | 25 | 765 |
| 35 | 392 | 35 | 493 |
| 45 | 17 | 45 | 383 |
| 55 | 3 | 55 | 15 |
| 65 | 1 | 65 | 1 |
| 75 | 0 | 75 | 0 |
| 85 | 0 | 85 | 0 |
| 90 | 0 | 90 | 0 |


D2LED 25°

40° 50W MR16


D2LED 35°

55° 50W MR16


D2LED 45°

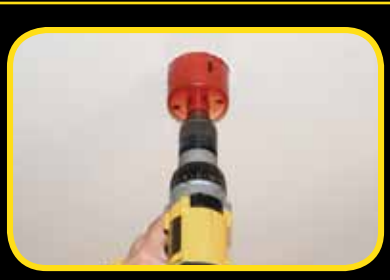
26W QUAD / 6" HORIZONTAL CFL

## QUICK AND EASY INSTALLATION

In four easy steps, you can install D2LED in your next lighting design.

*Before the ceiling is finished, run wiring to the approximate location where the D2LED will be installed.*

### STEP 1: MAKE CEILING CUTOUT



Use a 2 7/8" hole saw and pilot drill to cut an opening for the D2LED downlight. Because of the small reflector flange of the D2LED, the accuracy of this hole is critical. Even a 3" hole saw may leave a ceiling cut out too large to be completely hidden after installation.

### STEP 2: RUN WIRES TO J-TUBE

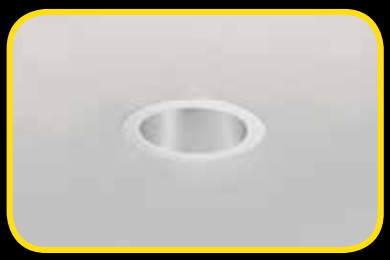
Pull the pre-existing wiring below the ceiling and connect to the J-tube assembly through the 1/2" knockout. A 3/8" flex conduit duplex connector may be used to easily daisy chain fixtures together or for end-of-run applications a standard 1/2" connector can be used.

Because D2LED features 0-10 volt dimming capability, be sure to include any low voltage wire connections in this step. When wiring for dimming, the low voltage wiring installs through the adjoining 1/2" knockout. A second 3/8" flex conduit duplex connector may be used in this knock out where applicable.

### STEP 3: SLIDE/SNAP J-TUBE CLOSED

Simply slide the J-tube closed until it locks into place with the springs on opposite ends of the assembly to complete the third step.

## STEP 4:
## INSTALL FIXTURE INTO CEILING



Feed J-tube assembly through ceiling cutout. The J-tube assembly has been designed and CSA approved to conveniently lay on top of the ceiling material.

Squeeze retention springs, insert light engine assembly into the cut out, and push until springs pop out above the ceiling, locking the fixture into place.

Once installed, being careful not to leave finger prints on the reflector, gently twist clockwise slightly to secure firmly against ceiling.

## REMOVAL FOR SERVICING

*While the D2LED is designed with a life expectancy of over 50,000 hours, there may be times when you may need to access the fixture or J-tube assembly. For this reason, the D2LED has been designed to come out of the ceiling as easy as it went in.*

Twist reflector slightly counter-clockwise while applying slight downward pressure. Then, once springs are accessible, squeeze together and remove fixture from ceiling.



DUAL LITE

For emergency egress lighting, D2LED is tested and compatible with Dual-Lite 100VA and 250VA LiteGear® inverters.

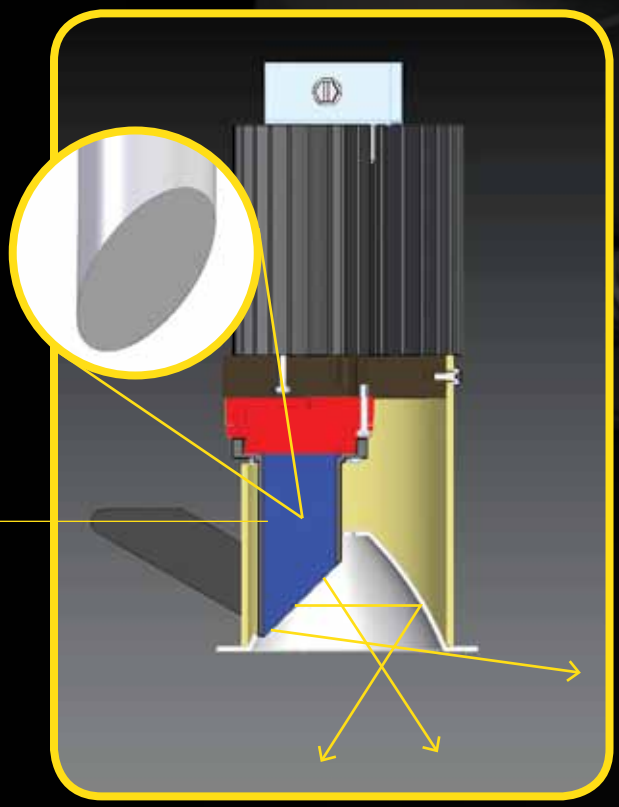
LiteGear®

## D2LED WALL WASH:
## A POWERFUL COMBINATION OF UNIFORMITY AND CONTROL

The D2LED wall wash brings all the superior control of the D2LED and combines it with a revolutionary approach to wall washing.

This unique approach to optical design for wall washing, along with the patent-pending mounting method, raises the bar on wall wash performance.

D2LED wall wash yields distributions that outperform most larger aperture specification grade downlights with traditional sources.



### LIGHT-PIPE TECHNOLOGY

Prescolite's patent pending Light-pipe technology harnesses the light from the Xicato module and transfers it down into the downlight with minimal degradation, maintaining a clean, highly controlled wall wash.

The cut end of the light-pipe has an exclusive lenticular tooled pattern to direct each individual light ray for perfect optical control.



### SMALL APERTURE

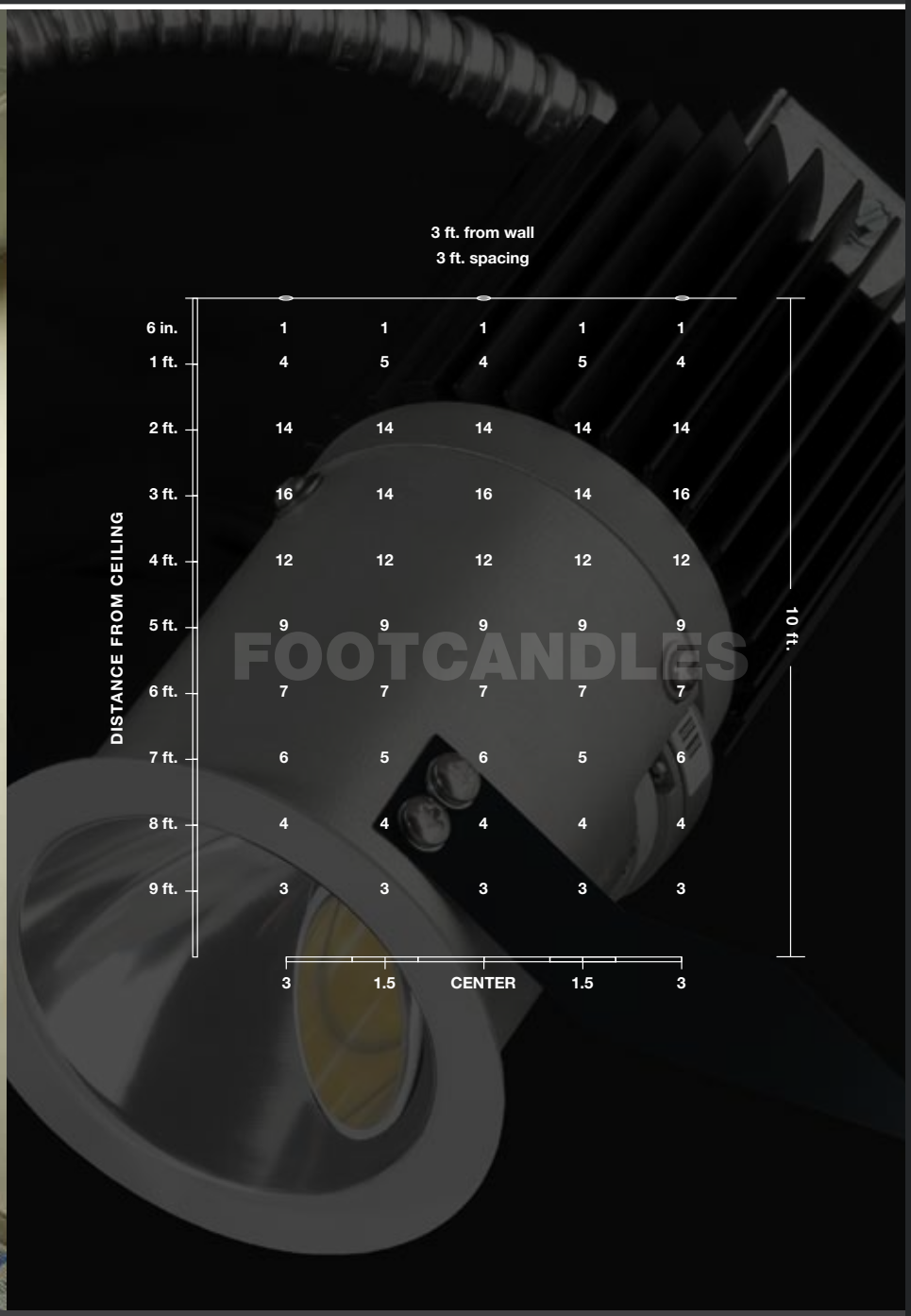
The D2LED wall wash is configured in the same way as the standard D2LED with its signature 2-inch nominal aperture, allowing for a clean ceiling and unobtrusive appearance.

### UNIFORMITY

The wall wash configuration of the D2LED maintains the same even light distribution and smooth beam edge that the standard version offers.

### CLOSE TO CEILING

The D2LED wall wash illuminates the wall from ceiling to floor, with a quality of light not seen before in this configuration, including a smooth transition close to the ceiling plane.






## ROOM SIDE CONTRIBUTION

Not only does the D2LED wall wash perform superior wall washing, but it also incorporates the same superior downlighting to the room-side of the fixture, with no room-side glare, utilizing the same VirtualSource appearance, as the standard D2LED.

## XICATO SOURCE

The D2LED wall wash uses the same Xicato LED module found in D2LED to provide superior color saturation and matching.

## INSTALLS FROM BELOW

Often times, the wall wash version of a downlight will have a different configuration than standard versions. D2LED wall wash has the same easy-to-install configuration as the standard D2LED downlight.

## PHOTOMETRIC DATA

| ELECTRICAL DATA | D2LED |
|---|---|
| Input Voltage | 120/277V |
| Input Frequency | 50/60 Hz |
| Input Current | 0.17/0.072 |
| Input Power | 20 Watts |
| Constant Current Output | 720mA |
| Power Factor | ≥0.90 |
| EMI Filtering | FCC 47CFR Part 15, Class B |
| Fixture Operating Temperature | -30ºC to 45ºC |
| Dimming | 0-10V to 10% |

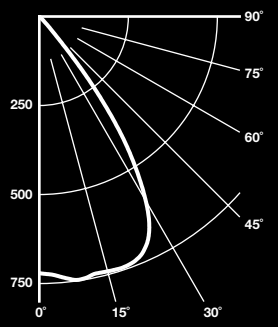
Over-voltage, over-current,
(short-circuit protected, and over-temperature protection with auto recovery)

| Lumen Multipliers For Various Alzak Colors | |
|---|---|
| Clear Specular | 1.00 |
| Pewter | 0.94 |
| Champagne Gold | 0.96 |
| Wheat | 0.86 |
| Light Wheat | 0.84 |
| Black Alzak | 0.62 |

Note: These values are based upon the WFL45 Reflectors.



**D2LED2D9LED30K8WFL45**
LED Light Engine: 3000K, 80 CRI
System Wattage: 20
Fixture delivered lumens: 858
Fixture Efficacy: 43
Spacing Criteria: 1.1




**CANDELA DISTRIBUTION**

| DEG | CANDELA | LUMENS |
|---|---|---|
| 0 | 721 | |
| 5 | 735 | 71 |
| 15 | 741 | 210 |
| 25 | 710 | 323 |
| 35 | 392 | 234 |
| 45 | 17 | 20 |
| 55 | 3 | 3 |
| 65 | 1 | 0 |
| 75 | 0 | 0 |
| 85 | 0 | 0 |
| 90 | 0 | 0 |

Test No. 4064
Tested at 25ºC Ambient in accordance to IESNA LM-79-2008

**ZONAL LUMEN SUMMARY**

| ZONE | LUMENS | %LUMINAIRE |
|---|---|---|
| 0-30 | 604 | 70.4 |
| 0-40 | 837 | 97.6 |
| 0-60 | 858 | 100.0 |
| 0-90 | 858 | 100.0 |
| 90-180 | 0 | 0.0 |
| 0-180 | 858 | 100.0 |

**LUMINANCE DATA IN CANDELA/ SQ. METER**

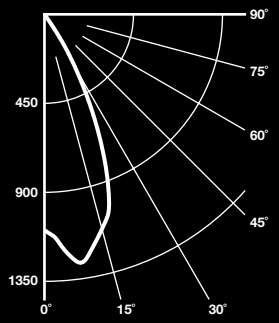
| Angle in Vertical | Average |
|---|---|
| 45° | 7589. |
| 55° | 1651. |
| 65° | 747. |
| 75° | 0. |
| 85° | 0. |

**COEFFICIENTS OF UTILIZATION** Zonal Cavity Method

| Room Cavity Ratio | % Effective Ceiling Cavity Reflectance | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 80% | | | | 70% | | | | 50% | | | 30% | | | 10% | |
| | 20% Effective Floor Cavity Reflectance | | | | | | | | | | | | | | | |
| | % Wall Reflectance | | | | | | | | | | | | | | | |
| | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 |
| 1 | 114 | 111 | 108 | 106 | 111 | 109 | 106 | 104 | 105 | 103 | 101 | 101 | 99 | 98 | 97 | 96 | 95 |
| 2 | 108 | 103 | 99 | 96 | 106 | 101 | 98 | 95 | 98 | 95 | 93 | 95 | 93 | 91 | 92 | 90 | 89 |
| 3 | 102 | 96 | 91 | 87 | 100 | 95 | 90 | 86 | 92 | 88 | 85 | 90 | 86 | 84 | 87 | 85 | 82 |
| 4 | 97 | 90 | 84 | 80 | 95 | 88 | 83 | 79 | 86 | 82 | 78 | 84 | 81 | 77 | 82 | 79 | 77 |
| 5 | 92 | 84 | 78 | 74 | 90 | 83 | 77 | 73 | 81 | 76 | 73 | 79 | 75 | 72 | 78 | 74 | 71 |
| 6 | 87 | 78 | 72 | 68 | 86 | 78 | 72 | 68 | 76 | 71 | 67 | 75 | 70 | 67 | 73 | 69 | 66 |
| 7 | 83 | 73 | 67 | 63 | 82 | 73 | 67 | 63 | 72 | 66 | 63 | 70 | 66 | 62 | 69 | 65 | 62 |
| 8 | 79 | 69 | 63 | 59 | 77 | 68 | 63 | 59 | 67 | 62 | 58 | 66 | 62 | 58 | 65 | 61 | 58 |
| 9 | 75 | 65 | 59 | 55 | 74 | 64 | 59 | 55 | 63 | 58 | 55 | 63 | 58 | 54 | 62 | 57 | 54 |
| 10 | 71 | 61 | 55 | 51 | 70 | 61 | 55 | 51 | 60 | 55 | 51 | 59 | 54 | 51 | 58 | 54 | 51 |

**D2LED2D9LED30K8WFL45** Test No. 4064

**D2LED2D9LED30K8FL35**
LED Light Engine: 3000K, 80 CRI
System Wattage: 20
Fixture delivered lumens: 810
Fixture Efficacy: 40.5
Spacing Criteria: 0.8




**CANDELA DISTRIBUTION**

| DEG | CANDELA | LUMENS |
|---|---|---|
| 0 | 1118 | |
| 5 | 1226 | 120 |
| 15 | 1159 | 326 |
| 25 | 658 | 298 |
| 35 | 71 | 67 |
| 45 | 3 | 3 |
| 55 | 1 | 0 |
| 65 | 0 | 0 |
| 75 | 0 | 0 |
| 85 | 0 | 0 |
| 90 | 0 | 0 |

Test No. 4066
Tested at 25°C Ambient in accordance to IESNA LM-79-2008

**ZONAL LUMEN SUMMARY**

| ZONE | LUMENS | %LUMINAIRE |
|---|---|---|
| 0-30 | 744 | 91.8 |
| 0-40 | 810 | 100.0 |
| 0-60 | 810 | 100.0 |
| 0-90 | 810 | 100.0 |
| 90-180 | 0 | 0.0 |
| 0-180 | 810 | 100.0 |

**LUMINANCE DATA IN CANDELA/ SQ. METER**

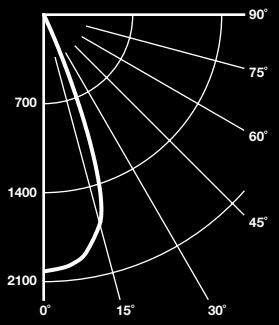
| Angle in Vertical | Average |
|---|---|
| 45° | 1339. |
| 55° | 550. |
| 65° | 0. |
| 75° | 0. |
| 85° | 0. |

**COEFFICIENTS OF UTILIZATION** Zonal Cavity Method

| Room Cavity Ratio | % Effective Ceiling Cavity Reflectance: 80% | | | | 70% | | | | 50% | | | 30% | | | 10% | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 20% Effective Floor Cavity Reflectance | | | | | | | | | | | | | | | | |
| | % Wall Reflectance: 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 |
| 1 | 114 | 112 | 110 | 108 | 112 | 110 | 108 | 106 | 106 | 104 | 103 | 102 | 101 | 100 | 99 | 98 | 97 |
| 2 | 110 | 105 | 102 | 99 | 107 | 104 | 101 | 98 | 101 | 98 | 96 | 98 | 96 | 94 | 95 | 93 | 92 |
| 3 | 105 | 100 | 95 | 92 | 103 | 98 | 94 | 91 | 96 | 92 | 90 | 93 | 91 | 88 | 91 | 89 | 87 |
| 4 | 101 | 94 | 90 | 86 | 99 | 93 | 89 | 86 | 91 | 88 | 85 | 89 | 86 | 84 | 88 | 85 | 83 |
| 5 | 97 | 90 | 85 | 81 | 95 | 89 | 84 | 81 | 87 | 83 | 80 | 85 | 82 | 79 | 84 | 81 | 79 |
| 6 | 93 | 85 | 80 | 76 | 91 | 84 | 80 | 76 | 83 | 79 | 76 | 82 | 78 | 75 | 81 | 77 | 75 |
| 7 | 89 | 81 | 76 | 72 | 88 | 81 | 76 | 72 | 79 | 75 | 72 | 78 | 74 | 72 | 77 | 74 | 71 |
| 8 | 86 | 77 | 72 | 69 | 85 | 77 | 72 | 69 | 76 | 72 | 68 | 75 | 71 | 68 | 74 | 71 | 68 |
| 9 | 82 | 74 | 69 | 65 | 81 | 74 | 69 | 65 | 73 | 68 | 65 | 72 | 68 | 65 | 71 | 67 | 65 |
| 10 | 79 | 71 | 66 | 62 | 78 | 70 | 66 | 62 | 70 | 65 | 62 | 69 | 65 | 62 | 68 | 65 | 62 |

D2LED2D9LED30K8FL35 Test No. 4066

**D2LED2D9LED30K8MD25**
LED Light Engine: 3000K, 80 CRI
System Wattage: 20
Fixture delivered lumens: 784
Fixture Efficacy: 39
Spacing Criteria: 0.6




**CANDELA DISTRIBUTION**

| DEG | CANDELA | LUMENS |
|---|---|---|
| 0 | 2011 | |
| 5 | 1985 | 188 |
| 15 | 1705 | 462 |
| 25 | 169 | 126 |
| 35 | 10 | 7 |
| 45 | 3 | 2 |
| 55 | 1 | 0 |
| 65 | 0 | 1 |
| 75 | 0 | 0 |
| 85 | 0 | 0 |
| 90 | 0 | 0 |

Test No. 4065
Tested at 25°C Ambient in accordance to IESNA LM-79-2008

**ZONAL LUMEN SUMMARY**

| ZONE | LUMENS | %LUMINAIRE |
|---|---|---|
| 0-30 | 775 | 99.0 |
| 0-40 | 782 | 99.8 |
| 0-60 | 784 | 100.0 |
| 0-90 | 784 | 100.0 |
| 90-180 | 0 | 0.0 |
| 0-180 | 784 | 100.0 |

**LUMINANCE DATA IN CANDELA/ SQ. METER**

| Angle in Vertical | Average |
|---|---|
| 45° | 1339. |
| 55° | 550. |
| 65° | 0. |
| 75° | 0. |
| 85° | 0. |

**COEFFICIENTS OF UTILIZATION** Zonal Cavity Method

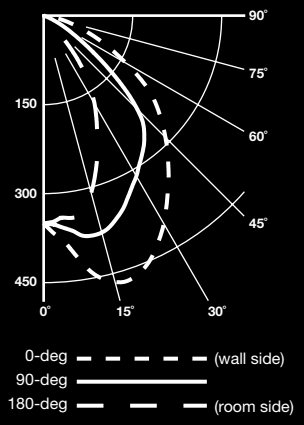
| Room Cavity Ratio | % Effective Ceiling Cavity Reflectance: 80% | | | | 70% | | | | 50% | | | 30% | | | 10% | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 20% Effective Floor Cavity Reflectance | | | | | | | | | | | | | | | | |
| | % Wall Reflectance: 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 |
| 1 | 115 | 113 | 111 | 109 | 113 | 111 | 109 | 107 | 107 | 105 | 104 | 103 | 102 | 101 | 100 | 99 | 98 |
| 2 | 111 | 107 | 104 | 102 | 109 | 106 | 103 | 101 | 103 | 100 | 98 | 100 | 98 | 96 | 97 | 96 | 94 |
| 3 | 107 | 103 | 99 | 96 | 106 | 101 | 98 | 95 | 99 | 96 | 94 | 97 | 94 | 92 | 94 | 93 | 91 |
| 4 | 104 | 98 | 94 | 91 | 102 | 97 | 94 | 91 | 95 | 92 | 90 | 94 | 91 | 89 | 92 | 90 | 88 |
| 5 | 101 | 95 | 90 | 87 | 99 | 94 | 90 | 87 | 92 | 89 | 86 | 91 | 88 | 86 | 89 | 87 | 85 |
| 6 | 98 | 91 | 87 | 84 | 96 | 90 | 86 | 84 | 89 | 86 | 83 | 88 | 85 | 83 | 87 | 84 | 82 |
| 7 | 95 | 88 | 84 | 81 | 94 | 87 | 83 | 80 | 86 | 83 | 80 | 85 | 82 | 80 | 84 | 81 | 79 |
| 8 | 92 | 85 | 81 | 78 | 91 | 85 | 81 | 78 | 84 | 80 | 77 | 83 | 79 | 77 | 82 | 79 | 77 |
| 9 | 89 | 82 | 78 | 75 | 88 | 82 | 78 | 75 | 81 | 77 | 75 | 80 | 77 | 75 | 80 | 77 | 74 |
| 10 | 87 | 80 | 76 | 73 | 86 | 79 | 75 | 73 | 79 | 75 | 73 | 78 | 75 | 72 | 77 | 74 | 72 |

D2LED2D9LED30K8MD25 Test No. 4065

**NOTES**
Refer to www.prescolite.com for additional photometric tests (IES Files).

## PHOTOMETRIC DATA

**D2LED2D9LED30K8WW**
LED Light Engine: 3000K, 80 CRI
System Wattage: 18.9W
Fixture Delivered Lumens: 714
Fixture Efficacy: 38




**CANDELA DISTRIBUTION**

| DEG | 0.0 | 90.0 | 180.0 |
|---|---|---|---|
| 0 | 345 | 345 | 345 |
| 5 | 375 | 353 | 347 |
| 15 | 458 | 373 | 237 |
| 25 | 434 | 332 | 305 |
| 35 | 359 | 284 | 210 |
| 45 | 286 | 220 | 122 |
| 55 | 211 | 86 | 5 |
| 65 | 112 | 20 | 0 |
| 75 | 43 | 0 | 0 |
| 85 | 0 | 0 | 0 |
| 90 | 0 | 0 | 0 |



**LUMINANCE DATA IN CANDELA/SQ. METER**

| Angle in Vertical | 0 DEG | 90 DEG | 180 DEG |
|---|---|---|---|
| 45° | 199483 | 153449 | 3487 |
| 55° | 181433 | 73949 | 0 |
| 65° | 130706 | 23340 | 0 |
| 75° | 81940 | 0 | 0 |
| 85° | 0 | 0 | 0 |


**2' DISTANCE FIXTURE MOUNTED OUT FROM WALLS**
**FOOTCANDLE DISTRIBUTION ON WALL SURFACE**

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| .5 | 12 | 9 | 5 | 2 | 1 | 14 | 13 | 14 | 13 | 9 | 13 |
| 1 | 14 | 11 | 6 | 3 | 1 | 18 | 17 | 18 | 16 | 12 | 16 |
| 2 | 17 | 13 | 8 | 4 | 2 | 24 | 23 | 24 | 20 | 17 | 20 |
| 3 | 15 | 13 | 9 | 5 | 2 | 24 | 22 | 24 | 19 | 17 | 19 |
| 4 | 10 | 9 | 6 | 4 | 3 | 18 | 17 | 18 | 15 | 13 | 15 |
| 5 | 6 | 5 | 4 | 3 | 2 | 12 | 12 | 12 | 10 | 10 | 10 |
| 6 | 4 | 4 | 3 | 3 | 2 | 9 | 9 | 9 | 8 | 7 | 8 |
| 7 | 3 | 3 | 2 | 2 | 2 | 7 | 6 | 7 | 6 | 6 | 6 |
| 8 | 2 | 2 | 2 | 2 | 1 | 5 | 5 | 5 | 4 | 4 | 4 |
| 9 | 2 | 1 | 1 | 1 | 1 | 4 | 4 | 4 | 3 | 3 | 3 |

**D2LED2D9LED30K8WW** Test No. 4542

Test No. 4542
Tested at 25ºC Ambient in accordance to IESNA LM-79-2008

D2LED

D2LED WALL WASH

## D2LED CATALOG LOGIC

**SPECIFICATION INFORMATION**

**ORDERING EXAMPLE:** D2LED2D9LED30K8WFL45



| J-TUBE ASSEMBLY | VOLTAGE | LIGHT ENGINE | LED COLOR | CRI | BEAM ANGLE | REFLECTOR FINISH | REFLECTOR COLOR | REFLECTOR OPT. | ACCESSORIES |
|---|---|---|---|---|---|---|---|---|---|
| **D2LED**<br>**D2LED**<br>2" J-tube assembly with 0-10 Dimming Standard | **BLANK**<br>120V<br>**277V**<br>277V | **2D9LED**<br>**2D9LED**[2]<br>2" Open Reflector/ Light Engine Assembly with Xicato 1300 Lumen module | **30K**<br>**27K**<br>2700 Kelvin<br>**30K**<br>3000 Kelvin<br>**35K**<br>3500 Kelvin<br>**40K**<br>4000 Kelvin | **8**<br>**8**<br>Nominal 80+ CRI | **WFL45**<br>**WFL45**<br>Spun Aluminum reflector with a 45° wide flood distribution<br>**FL35**<br>Spun Aluminum reflector with 35° flood distribution<br>**MD25**<br>Spun Aluminum reflector with 25° medium distribution<br>**WW**<br>Wall Wash | **Blank**<br>Specular<br>**SS**<br>Semi-Specular<br>**MFC**<br>American Matte™ | **Blank**<br>Clear Alzak<br>**CG**<br>Champagne Gold Alzak<br>**BL**<br>Black Alzak<br>**WE**<br>Wheat Alzak<br>**LW**<br>Light Wheat Alzak<br>**PW**<br>Pewter Alzak<br>**WH**[1]<br>White Paint | **WT**<br>White Trim | **LG1S**[3]<br>Dual-Lite 100VA Surface Wall Mount LiteGear Emergency Lighting Inverter<br>**LG1R**[3]<br>Dual-Lite 100VA Recessed Wall Mount LiteGear Emergency Lighting Inverter<br>**LG1T**[3]<br>Dual-Lite 100VA Recessed Ceiling T-Grid LiteGear Emergency Lighting Inverter<br>**LG2S**[3]<br>Dual-Lite 250VA Surface Wall Mount LiteGear Emergency Lighting Inverter |

**NOTES**

[1]Requires WT option.
[2]Utilizes the Xicato 1300 Lumen XSM module. Driven to yield 1000 Lumens.
[3]See spec sheet for D2LED & LiteGear compatibility Matrix.

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