



Specifications

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                 |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SHADES            | 9mm thick Sola Felt is a PET material, manufactured with 50% post-consumer recycled content. Sola Felt is a LBC Red List Free labeled product, eligible for LEED, Living Building Challenge, and other green building certification credits.                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                 | HARDWARE      | TGIC-free powder coat. Stainless steel cable with nickel-plated cable gripper allows for adjustable hanging height. Made with RoHS compliant parts.                                                                                                                                                                                                                                                                                                                |
| LIGHTING          | <p>LED module with single light emitting source, thermally managed to provide optimal performance. Specifiable in 2700K–4000K in CRI &gt;80 or CRI &gt;90, color accuracy within 3 SDCM. Also available in dim-to-warm.</p> <p>PoE or PoE+ compatible (depending on required output): Integrates with Power over Ethernet lighting systems through standard, low voltage wires. See wattage table on page 3 for PoE or PoE+ compatibility.</p> <p>E26 globe lamp models also available:<br/>Sizes XS &amp; S: Source lumens 500, delivered lumens approx 415, 90 CRI, nominal lifetime 25,000 hours.<br/>Sizes M, L &amp; XL: Source lumens 950, delivered lumens approx 788, 80 CRI, nominal lifetime 15,000 hours.</p> |                                                                                                 | MOUNTING      | Canopy mounts to 4" octagonal junction box or appropriate alternative                                                                                                                                                                                                                                                                                                                                                                                              |
|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                 | ELECTRICAL    | Emergency battery output: 10 watts for 90 minutes. Maximum Mounting height: 14ft. Compatible with Signify Bodine sinusoidal output emergency lighting inverters. Signify Bodine inverters allow designated lighting fixtures to serve as code compliant emergency lighting sources during failure of normal AC power. For additional information see link: <a href="http://www.bodine.com/products/inverter.html">http://www.bodine.com/products/inverter.html</a> |
|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                 | CERTIFICATION | CSA certified to CSA C22.2 No. 250.0, and conforms to UL standard 1598. PoE Compatible fixtures meet UL 2108.                                                                                                                                                                                                                                                                                                                                                      |
| DISTRIBUTION      | Beam spreads from 30 degree narrow flood to 78 degree wide flood available, achieved with optics that are easily changed in the field.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                 | CARE          | The best way to remove airborne debris and dust from shades is to periodically vacuum. A Swiffer sheet or feathered duster can also be used for light dusting. To treat liquid stains, remove spills immediately with a clean damp cotton cloth or with detergent soap and warm water. Carpet and fabric cleaners can usually be used. Always test an inconspicuous area before applying cleaners to the actual stain.                                             |
| LUMEN MAINTENANCE | Reported:<br>L90: >55,000 hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Calculated:<br>L70: >180,000 hours<br>L80: >120,000 hours<br><i>EPA TM21 calculator derived</i> | WARRANTY      | 5 year warranty on all standard components.                                                                                                                                                                                                                                                                                                                                                                                                                        |
| PHOTOMETRICS      | Consult factory or website for IES files, tested in accordance with IESNA LM79                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                 |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |



SABINS PER FIXTURE    Equivalent square feet of perfect absorption

| CENTER FREQUENCY (HZ)              | 27DIA 14H CUBE (M) | 34DIA 19H CUBE (L) |
|------------------------------------|--------------------|--------------------|
| 100                                | 2.44               | 5.04               |
| 125                                | 1.97               | 4.93               |
| 160                                | 3.50               | 6.15               |
| 200                                | 4.16               | 6.93               |
| 250                                | 4.84               | 6.71               |
| 315                                | 4.98               | 7.53               |
| 400                                | 4.74               | 8.19               |
| 500                                | 5.95               | 9.23               |
| 630                                | 6.29               | 10.12              |
| 800                                | 6.94               | 11.24              |
| 1000                               | 7.69               | 12.00              |
| 1250                               | 8.66               | 13.20              |
| 1600                               | 9.36               | 14.73              |
| 2000                               | 10.35              | 16.19              |
| 2500                               | 11.26              | 17.38              |
| 3150                               | 11.69              | 18.14              |
| 4000                               | 12.35              | 18.84              |
| 5000                               | 12.07              | 19.11              |
| AVERAGE OF 250, 500, 1000, 2000    | 7.10               | 11.12              |
| EQUIVALENT SQ FT OF ACT (NRC 0.90) | 7.90               | 12.40              |
| EQUIVALENT SQ FT OF ACT (NRC 0.70) | 10.10              | 15.90              |

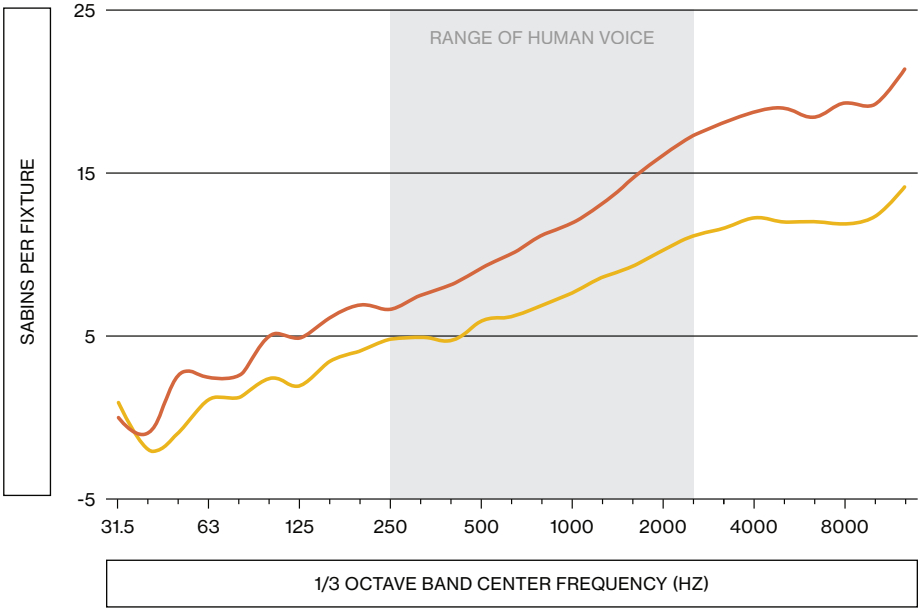
Absorption

NRC per Fixture: 0.90  
Average of values taken at  
250, 500, 1000, and 2000 Hz

The NRC of felt depends on its configuration.  
LightArt fixtures utilize deep airspaces and  
multiple layers to keep NRC ratings high for all  
exposed felt surfaces.

The acoustic testing of Acoustic Shade was  
conducted at NVLAP accredited laboratories  
and meets ISO 354 and ASTM C423. Formal test  
reports are available upon request.

- 34DIA 19H CUBE (L)
- 27DIA 14H CUBE (M)



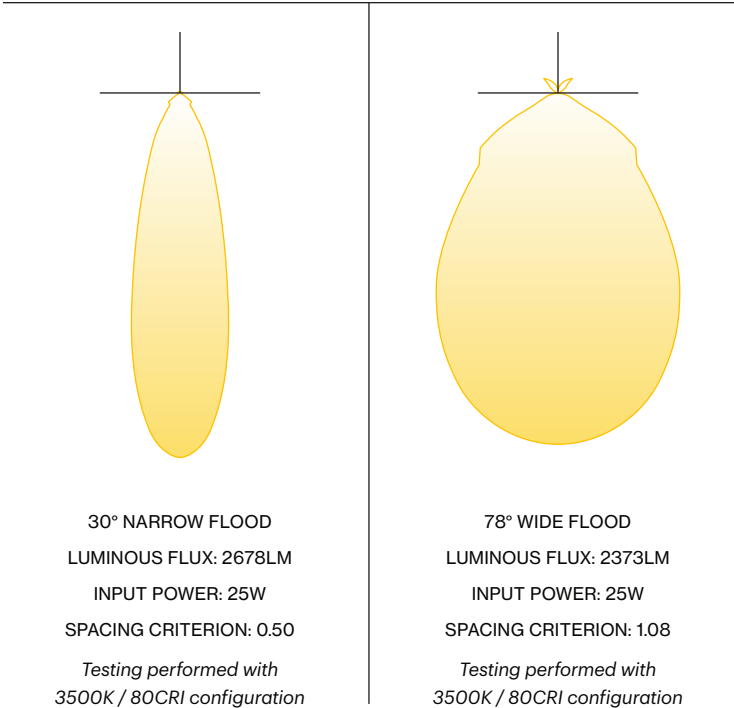
# Cube Shade

Lighting Details

ACOUSTIC COLLECTION

## LIGHT DISTRIBUTION OPTIONS

Consult factory or lightart.com for IES files, tested in accordance with IESNA LM79



## PERFORMANCE

Based on 3500K / 80CRI / NFL / M Size configuration (HP light core) and 300 for E26 lamp

| NOMINAL LUMEN OUTPUT | DELIVERED LUMENS | INPUT POWER (W) | EFFICACY (LM/W) | POE COMPATIBILITY | OUTPUT /LED DRAW WATTAGE (FOR USE W/ POE) |
|----------------------|------------------|-----------------|-----------------|-------------------|-------------------------------------------|
| 415 (E26 XS, S)      | 415              | 7.0             | 59              | N/A               | N/A                                       |
| 780 (E26 M, L, XL)   | 788              | 12.0            | 66              | N/A               | N/A                                       |
| 700                  | 718              | 7.3             | 99              | POE & POE+        | 7.3                                       |
| 800                  | 839              | 8.8             | 95              | POE & POE+        | 8.8                                       |
| 900                  | 959              | 9.4             | 91              | POE & POE+        | 11.5                                      |
| 1000                 | 1003             | 8.4             | 119             | POE & POE+        | 7.2                                       |
| 1600                 | 1650             | 14.6            | 113             | POE & POE+        | 12.4                                      |
| 2100                 | 2159             | 19.6            | 110             | POE+ ONLY         | 16.7                                      |
| 2600                 | 2678             | 25.0            | 107             | POE+ ONLY         | 21.4                                      |

## OPTICAL CHARACTERISTICS

Based on measurement data

|              | BEAM ANGLE | SPACING CRITERION |
|--------------|------------|-------------------|
| NARROW FLOOD | 30°        | 0.50              |
| FLOOD        | 54°        | 0.79              |
| WIDE FLOOD   | 78°        | 1.08              |

## OUTPUT MULTIPLIERS

Based on measurement data

| COLOR TEMPERATURE / CRI | MULTIPLIER |
|-------------------------|------------|
| 2700K / 80              | 0.93       |
| 2700K / 90              | 0.78       |
| 3000K / 80              | 0.97       |
| 3000K / 90              | 0.81       |
| 3500K / 80              | 1.00       |
| 3500K / 90              | 0.83       |
| 4000K / 80              | 1.01       |
| 4000K / 90              | 0.86       |
| WARM DIM 1830 / 90      | 0.72       |

| OPTIC | MULTIPLIER |
|-------|------------|
| 30°   | 1.00       |
| 54°   | 0.94       |
| 78°   | 0.89       |

## OUTPUT MULTIPLIERS INSTRUCTIONS

Adjusted Value =  $L_1 \times C_m \times O_m$  where:

$L_1$  = (Lumen output at 3500K / 80 CRI) ×

$C_m$  = (Color Temp. / CRI Multiplier) ×

$O_m$  = (Optic Multiplier)

Example:

850LM / 3000K / 80CRI / FL Configuration

$(850) \times (0.97) \times (0.92) = 2206LM$

# Cube Shade

Part Number Specification

ACOUSTIC COLLECTION

SPECIFICATION CODE

Example: 2 QTY ACC-SHPE-CUBE-22SQ-CT-ZN2-STD-BPC-BK-BPF-835CK-800LM-FL-LT02

QTY.

ACC-SHPE-CUBE-

1

2

3

4

5

6

7

8

9

10

11

Complete form to order Cube Shade fixture(s). For each number, make one selection and enter in the corresponding box above.  
\*Indicates modified choices; additional lead times and/or costs may apply.

1

SIZE

Nominal

☐ 17SQ

17" SQUARE

☐ 22SQ

22" SQUARE

☐ 27SQ

27" SQUARE

☐ 34SQ

34" SQUARE

☐ 42SQ

42" SQUARE

2

OUTER FELT COLOR

COLOR OPTIONS

☐ EB

EBONY

☐ NF

NIGHTFALL

☐ CA

CAST

☐ SLT

SILT

☐ ML

MINERAL

☐ STL

STEEL

☐ AR

ARMOR

☐ NI

NICKEL

☐ ZN

ZINC

☐ EM

EMERALD

☐ BU

BURGUNDY

☐ CI

CINNAMON

☐ JP

JASPER

☐ SF

SAFFRON

☐ OCH

OCHRE

☐ MU

MUSTARD

☐ AS

ARIES

☐ CT

CITRINE

☐ LC

LILAC

☐ AD

ADMIRAL

☐ DK

DUSK

☐ STB

STEELBLUE

☐ PT

PLATINUM

☐ DW

DRIFTWOOD

☐ DN

DUNE

☐ VL

VANILLA

☐ DWA

DUAL WALL

☐ IOK

IRON OAK

☐ WA

WALNUT

☐ BA

BAMBOO

PATTERN OPTIONS

☐ DWA

DUAL WALL

☐ IOK

IRON OAK

☐ WA

WALNUT

☐ BA

BAMBOO

3

INNER FELT COLOR

COLOR OPTIONS

☐ EB

EBONY

☐ NF

NIGHTFALL

☐ CA

CAST

☐ SLT

SILT

☐ ML

MINERAL

☐ STL

STEEL

☐ AR

ARMOR

☐ NI

NICKEL

☐ ZN

ZINC

☐ EM

EMERALD

☐ BU

BURGUNDY

☐ CI

CINNAMON

☐ JP

JASPER

☐ SF

SAFFRON

☐ OCH

OCHRE

☐ MU

MUSTARD

☐ AS

ARIES

☐ CT

CITRINE

☐ LC

LILAC

☐ AD

ADMIRAL

☐ DK

DUSK

☐ STB

STEELBLUE

☐ PT

PLATINUM

☐ DW

DRIFTWOOD

☐ DN

DUNE

☐ VL

VANILLA

☐ DWA

DUAL WALL

☐ IOK

IRON OAK

☐ WA

WALNUT

☐ BA

BAMBOO

PATTERN OPTIONS

☐ DWA

DUAL WALL

☐ IOK

IRON OAK

☐ WA

WALNUT

☐ BA

BAMBOO

4

SUSPENSION

☐ STD

12" - 96"

☐ EXT\*

24" - 240"

5

CANOPY OPTIONS

☐ WPC

WHITE

☐ BPC

BLACK

☐ RWPC

RECESSED WHITE

☐ RBPC

RECESSED BLACK

6

POWER CORD

☐ WH

WHITE

☐ BK

BLACK

Cord finish will match canopy, unless otherwise specified

7

FRAME COLOR

☐ WPF

WHITE

☐ BPF

BLACK

CONTINUE TO NEXT PAGE TO COMPLETE SPECIFICATION

\*Indicates modified choices; additional lead times and/or costs may apply.



# Cube Shade

## Part Number Specification

ACOUSTIC COLLECTION

### CONTINUE SPECIFICATION

#### 8 LED CRI/CCT

|                                |                |                                |                                                     |                                |                      |
|--------------------------------|----------------|--------------------------------|-----------------------------------------------------|--------------------------------|----------------------|
| <input type="checkbox"/> 827CK | 80 CRI / 2700K | <input type="checkbox"/> 927CK | 90 CRI / 2700K                                      | <input type="checkbox"/> E26GL | E26 BASE GLOBAL LAMP |
| <input type="checkbox"/> 830CK | 80 CRI / 3000K | <input type="checkbox"/> 930CK | 90 CRI / 3000K                                      |                                |                      |
| <input type="checkbox"/> 835CK | 80 CRI / 3500K | <input type="checkbox"/> 935CK | 90 CRI / 3500K                                      |                                |                      |
| <input type="checkbox"/> 840CK | 80 CRI / 4000K | <input type="checkbox"/> 1830W | WARM DIMMING 90 CRI<br>3000K to 1800K Dimming Range |                                |                      |

#### 9 NOMINAL DELIVERED LUMENS

ONLY AVAILABLE IN SIZES XS, S  
Warm Dim only available in 700LM

|                                |           |
|--------------------------------|-----------|
| <input type="checkbox"/> 700LM | 700 LUMEN |
| <input type="checkbox"/> 800LM | 800 LUMEN |
| <input type="checkbox"/> 900LM | 900 LUMEN |

ONLY AVAILABLE IN SIZES M, L, XL  
Warm Dim only available in 1600LM

|                                 |            |
|---------------------------------|------------|
| <input type="checkbox"/> 1000LM | 1000 LUMEN |
| <input type="checkbox"/> 1600LM | 1600 LUMEN |
| <input type="checkbox"/> 2100LM | 2100 LUMEN |
| <input type="checkbox"/> 2600LM | 2600 LUMEN |

AVAILABLE IN ALL SIZES

XS, S: 415LM delivered 3000K >90 CRI, 120V only  
M, L, XL: 788LM delivered 3000K >80 CRI, 120V only

|                                |                                |
|--------------------------------|--------------------------------|
| <input type="checkbox"/> E26LM | E26 BASE GLOBAL<br>LAMP LUMENS |
|--------------------------------|--------------------------------|

#### 10 BEAM SPREAD Beam spread kits available—contact LightArt for more information

|                               |                           |
|-------------------------------|---------------------------|
| <input type="checkbox"/> NFL  | NARROW FLOOD OPTION (21°) |
| <input type="checkbox"/> FL   | FLOOD OPTION (39°)        |
| <input type="checkbox"/> WFL  | WIDE FLOOD OPTION (69°)   |
| <input type="checkbox"/> E26S | E26 BASE A LAMP           |

#### 11 DIMMING AND CONTROLS

|                               |                                                                                                                                                                                            |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> LV01 | 0-10V – 1% DIMMING 120 & 277V                                                                                                                                                              |
| <input type="checkbox"/> LT02 | LEADING/TRAILING/TRIAC – 5% DIMMING 120v only                                                                                                                                              |
| <input type="checkbox"/> LP01 | ELV FORWARD/REVERSE PHASE – 1% DIMMING 120v only                                                                                                                                           |
| <input type="checkbox"/> LVP  | LOW VOLTAGE POE No driver provided for POE.<br>Power supply by others. Not available with E26 Base A lamp.                                                                                 |
| <input type="checkbox"/> EBM  | 0-10V 1% DIMMING INTEGRATED EM BATTERY OPTION<br>Max Lumen output limited—consult LightArt. Not available for E26.<br><br>Universal Input (Dim on 120V for TRIAC/ELV & 120/277V for 0–10V) |
| <input type="checkbox"/> E26  | E26 BASE A LAMP Only compatible with 120V ELV Dimming                                                                                                                                      |

\*Indicates modified choices; additional lead times and/or costs may apply.



MADE IN USA  
WITH GLOBAL AND  
DOMESTIC PRODUCTS