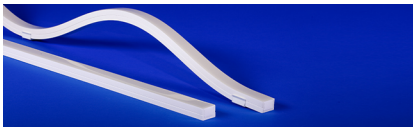
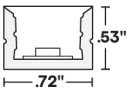
# Q-CAP BOXA™ STATIC WHITE

24VDC Flexible Fixtures






- Flexible encapsulated fixture
- Up/down bend
- 6" bend radius
- Interior and exterior rated (not including FC)
- Seven different mounting options
- Available in a seamless configuration for a continuous line of light
- Utilize clear endcaps for continuous runs
- Pair with ZALA's side bend to achieve compound curves
- Do not cut Non-Field Cuttable Q-CAP flexible fixtures
- IK10 impact rated

## ORDERING PROCESS

(A) Specify Non-Field Cuttable Q-CAP

(B) (Optional) Specify field cuttable 4' piece - used to adjust total run length in the field (dry applications only)

## A. NON-FIELD CUTTABLE Q-CAP

**INFORMATION REQUIRED FOR LIGHTING SCHEDULE**

| A1 | A2 | A3 | A4 | A5 | A6 |
|---|---|---|---|---|---|
| PRODUCT | MOUNTING | RATED | CCT | WATTAGE | LENS |
| | | | | | |

**ADDITIONAL INFORMATION REQUIRED TO ORDER**

| A7 | A8 | A9 | A10 | A11 | A12 |
|---|---|---|---|---|---|
| WIRE INPUT/ OUTPUT | CONNECTOR/ WIRE IN | CONNECTOR/ WIRE OUT | END CAPS | LENGTH (IN) | EXACT/ OPTIMAL |
| | | | | | |

Sample Part Number: **BOXA-SW-PPS-2-WET-30-3.0-ENC/TL-P1-BW-BW-N/A-48"-E**

### A1 PRODUCT

**BOXA-SW**
**BOXA-SW-USA**

Select USA option for BA, BAA and BABA projects.

See last page for compatible power supplies.

### A2 MOUNTING

| | |
|---|---|
| **RLC** | Rigid Lock Channel |
| **MC** | Magnetic Clip |
| **SGC** | Side Graze Channel |
| **PPS-2** | PVC Clip |
| **PPS-96** | PVC Channel |
| **PPS-LP-2** | PVC Low Profile Clip |
| **PPS-LP-96** | PVC Low Profile Channel |
| **WSC** | White Snug Clip |
| **BN-UD-SST-16'** | 16' BENDIT Up/Down Stainless Steel Channel |
| **BN-UD-SST-32'** | 32' BENDIT Up/Down Stainless Steel Channel |
| **BN-UD-WH-16'** | 16' BENDIT Up/Down White Stainless Channel |
| **BN-UD-WH-32'** | 32' BENDIT Up/Down White Stainless Channel |

White snug clip only for indirect cove use, not intended for hanging fixtures upside down.

PPS mounting clip recommended for seamless applications

### A3 RATED

| | |
|---|---|
| **DRY** | IP20 |
| **WET** | IP67 |
| **SBM** | IP68 |

SBM not recommended to be used in chlorinated water. Available only in S1 or S5 wire exits.

### A4 CCT

| | |
|---|---|
| **22** | 2200K |
| **24** | 2400K |
| **27** | 2700K |
| **30** | 3000K |
| **35** | 3500K |
| **40** | 4000K |

### A5 WATTAGE

| | |
|---|---|
| **1.5** | 1.5W-SO |
| **3.0** | 3.0W-HO |
| **5.0** | 5.0W-VHO |
| **1.5HE** | 1.5WHE-SO |
| **3.0HE** | 3.0WHE-HO |
| **6.0HE** | 6.0WHE-VHO |

SO: Standard Output
HO: High Output
VHO: Very High Output
SBM available only in 1.5, 3.0, & 5.0 (no HE)

### A6 LENS

| | |
|---|---|
| **ENC/CL** | Encapsulated in Clear |
| **ENC/TL** | Encapsulated in Translucent |

For representation of LED visibility, see Diode Visibility section on following pages

### A7 WIRE INPUT/OUTPUT

**SINGLE (Input only)**

| | |
|---|---|
| **S1** | End Feed |
| **S2** | Bottom Feed |
| **S3** | Left Side Feed |
| **S4** | Right Side Feed |
| **S5** | Seamless Feed |

**PASS THROUGH (Input/Output)**

| | |
|---|---|
| **P1** | End Feed |
| **P2** | Bottom Feed |
| **P3** | Left Side Feed |
| **P4** | Right Side Feed |
| **P5** | Seamless Feed |

### A8 CONNECTOR/WIRE IN

| | |
|---|---|
| **BW** | Bare Wire (Standard 24") |
| **BRL** | Barrel |
| **CON6** | Connector 6" |
| **CON24** | Connector 24" |

SBM rating only available with BW. BW: Standard length is 24", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)

| | |
|---|---|
| **BW** | Bare Wire (Standard 24") |
| **BRL** | Barrel |
| **CON6** | Connector 6" |
| **CON24** | Connector 24" |

SBM rating only available with BW. BW: Standard length is 24", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)

### A9 CONNECTOR/WIRE OUT

| | |
|---|---|
| **N/A** | Closed End (No feed) |

| | |
|---|---|
| **BW** | Bare Wire (Standard 24") |
| **BRL** | Barrel |
| **CON6** | Connector 6" |
| **CON24** | Connector 24" |

SBM rating only available with BW. BW: Standard length is 24", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)

### A10 END CAPS

**Single**

| | |
|---|---|
| **CL** | Clear |
| **WH** | White |

**Pass Through**

| | |
|---|---|
| **N/A** | Not Applicable |

### A11 LENGTH (IN)

Minimum length is 12", maximum length is 191" not including end caps. Contact us for lengths under 12".
SW: Available in 1" increments.
SW-HE: Available in 2" increments.

### A12 EXACT/OPTIMAL

| | |
|---|---|
| **O** | Optimal Illumination |
| **E** | Exact Specified Length |

Exact fixtures are the exact length specified +0 -1/8". Optimal fixtures' length is rounded down with illumination end to end. See Exact/Optimal Fixture Length charts.

5 year warranty | Up/Down Bend | Data subject to change, all data has +/- 5% tolerance | Ambient or mounting surface must not be lower than -4°F or higher than: 1.5 - 125°F; 3.0 - 115°F; 5.0 - 108°F | Patent # D872,931 S, D847,395 S, 10,619,828 B2 | Only FC fixtures are Field-Cuttable per installation instructions | Field Cuttable is not returnable or refundable after it has been cut

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Specification subject to change. Rev-11-24-26

# Q-CAP BOXA™ STATIC WHITE

24VDC Flexible Fixtures

## B. FIELD CUTTABLE Q-CAP

**INFORMATION REQUIRED FOR LIGHTING SCHEDULE**

| B1 | B2 | B3 | B4 | B5 | B6 |
|---|---|---|---|---|---|
| PRODUCT | MOUNTING | RATED | CCT | WATTAGE | LENS |
| | | DRY | | | |

**ADDITIONAL INFORMATION REQUIRED TO ORDER**

| B7 | B8 | B9 | B10 | B11 | B12 |
|---|---|---|---|---|---|
| WIRE INPUT/ OUTPUT | CONNECTOR/ WIRE IN | CONNECTOR/ WIRE OUT | END CAPS | LENGTH (IN) | EXACT/ OPTIMAL |
| | | N/A | CL | 48” | N/A |

Sample Part Number: **BOXA-FC-SW-PPS-2-DRY-30-3.0-ENC/TL-S1-BW-N/A-CL-48"-N/A**

### B1 PRODUCT

**BOXA-FC-SW**
**BOXA-FC-SW-USA**

Select USA option for BA, BAA and BABA projects.

See last page for compatible power supplies.

### B2 MOUNTING

| | |
|---|---|
| **RLC** | Rigid Lock Channel |
| **MC** | Magnetic Clip |
| **SGC** | Side Graze Channel |
| **PPS-2** | PVC Clip |
| **PPS-96** | PVC Channel |
| **PPS-LP-2** | PVC Low Profile Clip |
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White snug clip only for indirect cove use, not intended for hanging fixtures upside down.

PPS mounting clip recommended for seamless applications

### B3 RATED

| | |
|---|---|
| **DRY** | IP20 |

### B4 CCT

| | |
|---|---|
| **22** | 2200K |
| **24** | 2400K |
| **27** | 2700K |
| **30** | 3000K |
| **35** | 3500K |
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| **3.0** | 3.0W-HO |
| **5.0** | 5.0W-VHO |
| **1.5HE** | 1.5WHE-SO |
| **3.0HE** | 3.0WHE-HO |
| **6.0HE** | 6.0WHE-VHO |

SO: Standard Output
HO: High Output
VHO: Very High Output
SBM available only in 1.5, 3.0, & 5.0 (no HE)

### B6 LENS

| | |
|---|---|
| **ENC/CL** | Encapsulated in Clear |
| **ENC/TL** | Encapsulated in Translucent |

For representation of LED visibility, see Diode Visibility section on following pages

### B7 WIRE INPUT/OUTPUT

**SINGLE (Input only)**

| | |
|---|---|
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| **S2** | Bottom Feed |
| **S3** | Left Side Feed |
| **S4** | Right Side Feed |
| **S5** | Seamless Feed |

### B8 CONNECTOR/WIRE IN

| | |
|---|---|
| **BW** | Bare Wire (Standard 24”) |
| **BRL** | Barrel |
| **CON6** | Connector 6” |
| **CON24** | Connector 24” |

SBM rating only available with BW. BW: Standard length is 24”. Max length is 120”. Request custom length by writing in part number next to BW (example: BW48)

### B9 CONNECTOR/WIRE OUT

| | |
|---|---|
| **N/A** | Closed End (No feed) |

### B10 END CAPS

Single

| | |
|---|---|
| **CL** | Clear |

Due to cutting, white endcaps are not available.

### B11 LENGTH (IN)

| | |
|---|---|
| **48”** | Nominal |

Starting Run length is 48.475” for S1, S5 and 48.725” for S2, S3, S4
Each cut point subtracts from the Starting Run Length
1.5, 3.0, & 5.0 have a 1” cut point
1.5HE, 3.0HE, & 6.0HE have a 2” cut point
S2, S3, & S4 can be cut down to as little as 1.725” for SW & 2.725” for SW-HE
S1 can be cut down to as little as 1.475” for SW & 2.475” for SW-HE
S5 can be cut down to as little as 6.475”

### B12 EXACT/OPTIMAL

**N/A**

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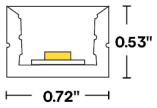
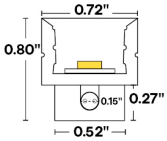
# Q-CAP BOXA™ STATIC WHITE

24VDC Flexible Fixtures

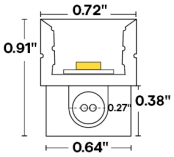
## 1 PRODUCT - DIMENSIONS



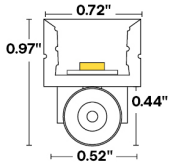

Profile
(Standard)



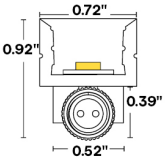

Profile
(Seamless bare wire - DRY/WET)



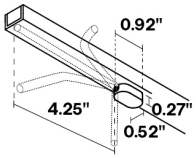

Profile
(Seamless bare wire - SBM)




Profile
(Seamless barrel)

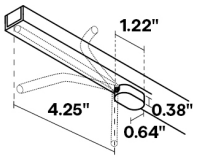



Profile
(CON6-24 barrel)




Seamless Omnidirectional wireways (S5, P5)

Shown with bare wire connectors vary

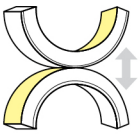



Seamless Omnidirectional wireways (S5, P5)

Shown with bare wire-SBM connectors vary

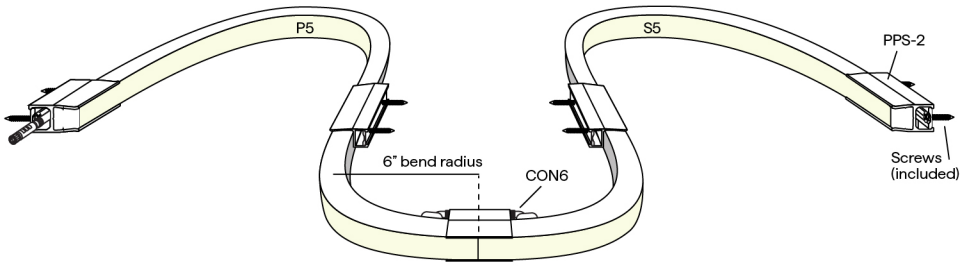
### BEND RADIUS

**Up/Down Bend**



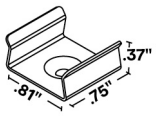
6" bending radius

### FLEXIBILITY




## 2 MOUNTING

**WSC**

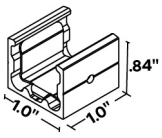



White Snug Clip
Indirect uplight

To order separately use WSC

Each clip comes with a #6x5/8" flat screw

**RLC**

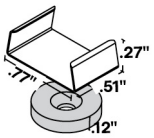



Rigid Lock Channel

To order separately use RLC

Each clip comes with a #6x5/8" flat screw

**MC**

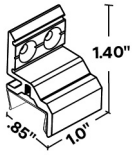



Magnetic Clip
Cove use only

To order separately use MC

Each clip comes with a #6x5/8" flat screw

**SGC**

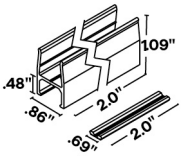



Side Graze Channel

To order separately use SGC

Each clip comes with a #6x5/8" flat screw

**PPS-2**




PVC Mounting Clip

To order separately use BOXA-PPS-2

PPS kit quantity: **(2 kits per ft) + 1.**
For example: 1 ft = (2 × 1) + 1 = 3 PPS kits provided.

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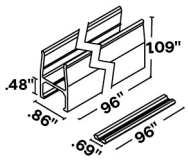
Specification subject to change. Rev-11-24-26

# Q-CAP BOXA™ STATIC WHITE

24VDC Flexible Fixtures

## MOUNTING CONTINUED

**PPS-96**



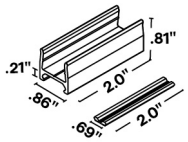

96" straight linear run

To order separately use BOXA-PPS-96

PPS kit quantity: **(2 kits per ft) + 1.** For example: 1 ft = (2 × 1) + 1 = 3 PPS kits provided.

Each clip comes with a #8" flat screw

**PPS-LP-2**

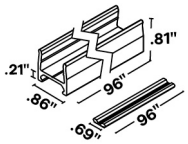



Low profile PVC Mounting Clip

To order separately use BOXA-PPS-LP-2

PPS kit quantity: **(2 kits per ft) + 1.** For example: 1 ft = (2 × 1) + 1 = 3 PPS kits provided.

**PPS-LP-96**



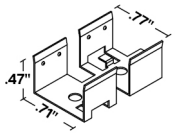

Low profile PVC channel 96" straight linear run

To order separately use BOXA-PPS-LP-96

PPS kit quantity: **(2 kits per ft) + 1.** For example: 1 ft = (2 × 1) + 1 = 3 PPS kits provided.

Each clip comes with a #8" flat screw

**BN-UD**




BENDIT Channel
Vertical Stainless Steel Flexible Channel

Continuous mounting solution for flexible fixtures, 16' or 32' field cuttable lengths

To order separately use either STND-QCAP-BN-UD-SST-16', STND-QCAP-BN-UD-SST-32', STND-QCAP-BN-UD-WH-16', or STND-QCAP-BN-UD-WH-32'

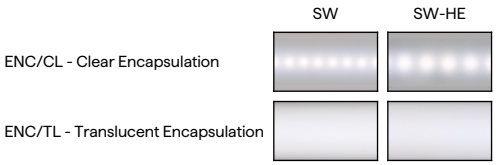
64 #4-40 1/2" screws provided per 16'

## 4/5 DELIVERED LUMENS

[Calculated L70 = 40000 hrs]
Tested with BOXA-SW-WSC-DRY

| CCT | 1.5W/FT | | | | 1.5HE W/FT | | | | 3.0W/FT | | | | 3.0HE W/FT | | | | 5.0W/FT | | | | 6.0HE W/FT | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ENC/CL | | ENC/TL | | ENC/CL | | ENC/TL | | ENC/CL | | ENC/TL | | ENC/CL | | ENC/TL | | ENC/CL | | ENC/TL | | ENC/CL | | ENC/TL | |
| | LM | CRI | LM | CRI | LM | CRI | LM | CRI | LM | CRI | LM | CRI | LM | CRI | LM | CRI | LM | CRI | LM | CRI | LM | CRI | LM | CRI |
| 2200K | ** | ** | ** | ** | ** | ** | ** | ** | ** | ** | ** | ** | ** | ** | ** | ** | ** | ** | ** | ** | ** | ** | ** | ** |
| 2400K | 131 | 95 | 103 | 94 | 178 | 93 | 126 | 92 | 231 | 93 | 184 | 93 | 336 | 93 | 257 | 93 | 320 | 94 | 265 | 94 | 581 | 93 | 434 | 93 |
| 2700K | 125 | 97 | 102 | 97 | 165 | 95 | 120 | 96 | 238 | 99 | 188 | 98 | 314 | 96 | 238 | 96 | 324 | 98 | 280 | 98 | 565 | 96 | 416 | 96 |
| 3000K | 133 | 99 | 108 | 98 | 163 | 96 | 134 | 96 | 242 | 98 | 198 | 98 | 319 | 96 | 269 | 97 | 337 | 98 | 294 | 98 | 580 | 96 | 464 | 97 |
| 3500K | 142 | 96 | 114 | 96 | 196 | 98 | 152 | 98 | 242 | 96 | 204 | 97 | 369 | 98 | 282 | 98 | 350 | 97 | 285 | 97 | 662 | 98 | 495 | 98 |
| 4000K | 148 | 95 | 120 | 96 | 174 | 97 | 158 | 97 | 263 | 96 | 207 | 97 | 356 | 97 | 300 | 97 | 364 | 97 | 305 | 97 | 611 | 97 | 512 | 97 |

## 6 DIODE VISIBILITY




## TEMPERATURE RATINGS

| | 1.5 W/FT | | 1.5 HE W/FT | | 3.0 W/FT | | 3.0 HE W/FT | | 5.0 W/FT | | 6.0 HE W/FT | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max |
| Ambient Operating Temp - Surface | -4°F | 130°F | -4°F | 140°F | -4°F | 125°F | -4°F | 125°F | -4°F | 105°F | -4°F | 95°F |
| Storage Temp | -4°F | 140°F | -4°F | 140°F | -4°F | 140°F | -4°F | 140°F | -4°F | 140°F | -4°F | 140°F |
| Installation Temp | 50°F | 100°F | 50°F | 100°F | 50°F | 100°F | 50°F | 100°F | 50°F | 100°F | 50°F | 100°F |

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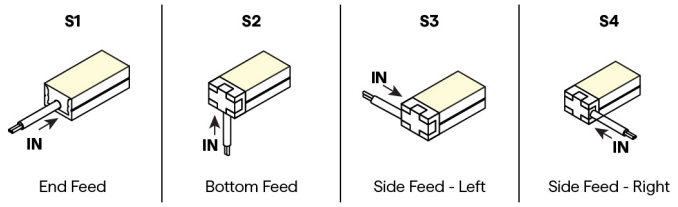
24VDC Flexible Fixtures

## BUG RATING

| WATTAGE | B | U | G |
|---|---|---|---|
| 1.5 (ALL CCTs), 3.0 (ALL CCTs), 5.0 (ALL CCTs) | B0 | U1 | G0 |
| 1.5HE (ALL CCTs), 3.0HE (ALL CCTs), 6.0HE ENC/TL (2400K, 2700K, 3000K, 4000K) | B0 | U1 | G0 |
| 6.0HE ENC/CL (2700K, 3000K), 6.0HE ENC/TL (3500K) | B0 | U1 | G1 |
| 6.0HE ENC/CL (2400K , 3500K, 4000K) | B0 | U2 | G1 |

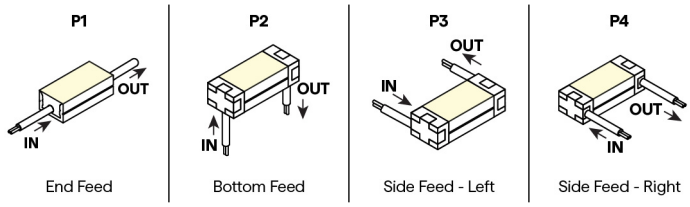
## 7 WIRE INPUT/OUTPUT

SINGLE (Input only)



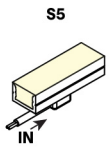

End Feed | Bottom Feed | Side Feed - Left | Side Feed - Right

PASS THROUGH (Input/Output) - Only applicable for Non-Field Cuttable Q-CAP



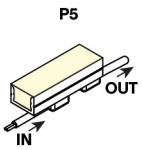

End Feed | Bottom Feed | Side Feed - Left | Side Feed - Right

SEAMLESS SINGLE (Input only)



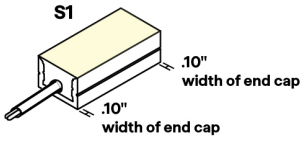

Seamless Feed

SEAMLESS PASS THROUGH (Input/Output) - Only applicable for Non-Field Cuttable Q-CAP

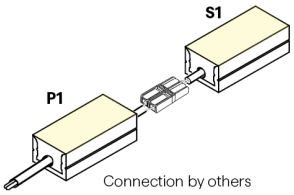



Seamless Feed

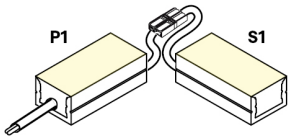
## CONFIGURATION OPTIONS



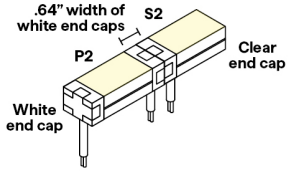

Single End Feed



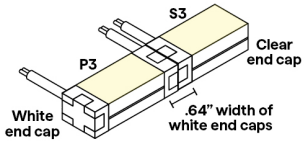

Non-Continuous End Feed



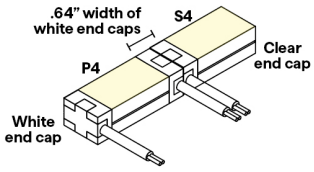

Non-Continuous Corner Feed



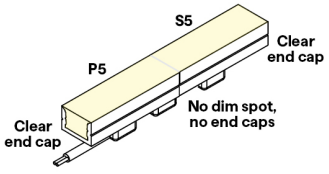

Continuous Bottom Feed



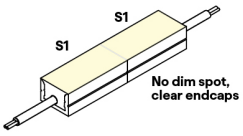

Continuous Side Feed - Left



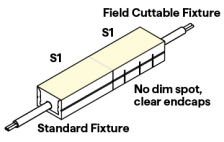

Continuous Side Feed - Right



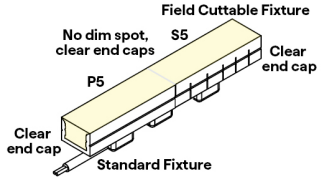

Seamless Bottom Feed




Continuous End to End Feed




Field Cuttable - Continuous End to End Feed




Field Cuttable - Seamless Bottom Feed

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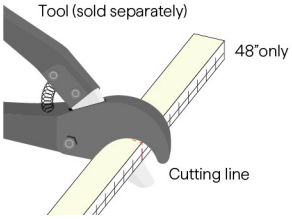
# Q-CAP BOXA™ STATIC WHITE

24VDC Flexible Fixtures

## FIELD CUTTABLE MARKING



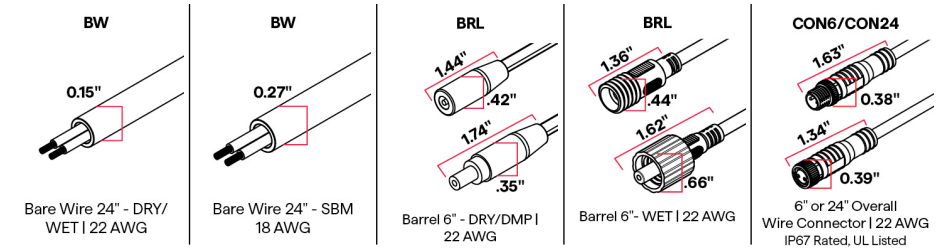

Field cuttable fixtures are sold in 4' increments and go at the end of a run, allowing for easy field adjustment



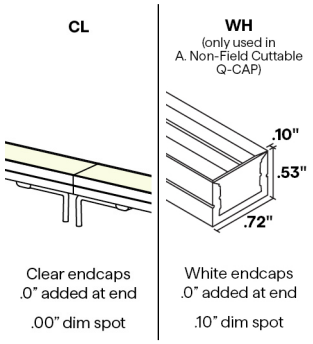

**Note:** Only FC fixtures are field cuttable — Do not attempt to cut non FC fixtures.
Cut only on the marked cut lines. Only cut from non-feed end. Do not attempt to cut while power is on.

## 8 / 9 CONNECTOR/WIRE – IN/OUT

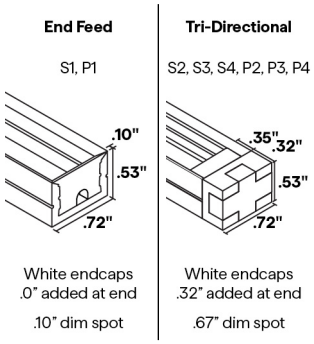
SBM rating only available with BW. Connector/Wire In or Out not needed to specify product. Typical selection is S1 for Wire Input/Output, BW for Connector/Wire In, N/A for Connector/Wire Out, and WH for End Caps




## 10 END CAPS (NO FEED)

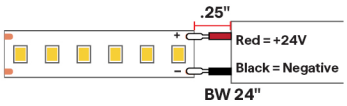



## END CAPS (WITH FEED)

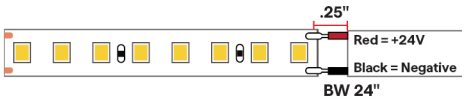



## 11 LENGTH - WIRING DETAIL

1.5W, 3.0W, 5.0W | Available in 1" increments 12"-191"



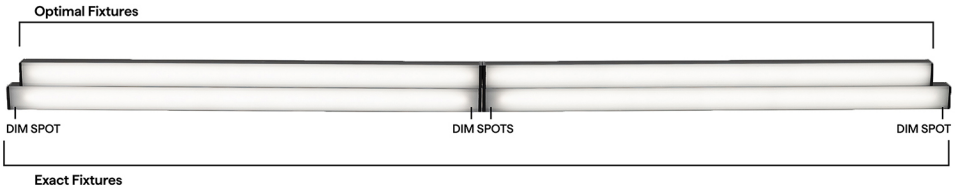

1.5HEW, 3.0HEW, 6.0HEW | Available in 2" increments 12"-191"




## 12 EXACT/OPTIMAL FIXTURE LENGTH

E/O Length Calculator → E/O Explained →

Exact fixtures are the exact length specified +0 -1/8". Optimal fixtures' length is rounded down based on LED cut points to allow the fixture to be illuminated end to end. For runs with multiple fixtures that need to fill a specific length, it's recommended to order all optimal fixtures with an exact fixture at the end of the run.

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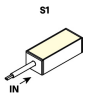
Specification subject to change. Rev-11-24-26

# Q-CAP BOXA™ STATIC WHITE

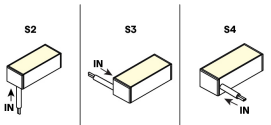
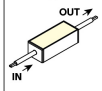
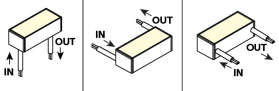
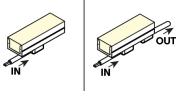
24VDC Flexible Fixtures

## SW ENC LENGTHS BY INCH

### EXACT LENGTH

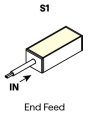
| Requested Length | Potential dim spot on either end of a S1 fixture   End Feed |
|---|---|
| 12" | 0.5" |
| 13" | 0.5" |
| 14" | 0.5" |
| 15" | 0.5" |
| 16" | 0.5" |
| 17" | 0.5" |
| 18" | 0.5" |
| 19" | 0.5" |
| 20" | 0.5" |
| 21" | 0.5" |
| 22" | 0.5" |
| 23" | 0.5" |
| 24" | 0.5" |
| 36" | 0.5" |
| 48" | 0.5" |
| 60" | 0.5" |
| 72" | 0.5" |
| 84" | 0.5" |
| 96" | 0.5" |

### OPTIMAL LENGTH

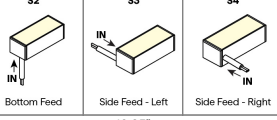
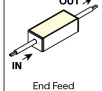
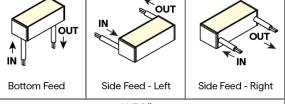
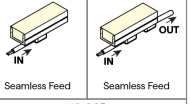
| Requested Nominal Length | S1   End Feed | S2 & S3 & S4   S2 Bottom Feed / S3 Side Feed - Left / S4 Side Feed - Right | P1   End Feed | P2 & P3 & P4   P2 Bottom Feed / P3 Side Feed - Left / P4 Side Feed - Right | S5 & P5   S5 Seamless Feed / P5 Seamless Feed |
|---|---|---|---|---|---|
| 12" | 11.45" | 11.85" | 11.70" | 11.50" | 11.20" |
| 13" | 12.45" | 12.85" | 12.70" | 12.50" | 12.20" |
| 14" | 13.45" | 13.85" | 13.70" | 13.50" | 13.20" |
| 15" | 14.45" | 14.85" | 14.70" | 14.50" | 14.20" |
| 16" | 15.45" | 15.85" | 15.70" | 15.50" | 15.20" |
| 17" | 16.45" | 16.85" | 16.70" | 16.50" | 16.20" |
| 18" | 17.45" | 17.85" | 17.70" | 17.50" | 17.20" |
| 19" | 18.45" | 18.85" | 18.70" | 18.50" | 18.20" |
| 20" | 19.45" | 19.85" | 19.70" | 19.50" | 19.20" |
| 21" | 20.45" | 20.85" | 20.70" | 20.50" | 20.20" |
| 22" | 21.45" | 21.85" | 21.70" | 21.50" | 21.20" |
| 23" | 22.45" | 22.85" | 22.70" | 22.50" | 22.20" |
| 24" | 23.45" | 23.85" | 23.70" | 23.50" | 23.20" |
| 36" | 35.45" | 35.85" | 35.70" | 35.50" | 35.20" |
| 48" | 47.45" | 47.85" | 47.70" | 47.50" | 47.20" |
| 60" | 59.45" | 59.85" | 59.70" | 59.50" | 59.20" |
| 72" | 71.45" | 71.85" | 71.70" | 71.50" | 71.20" |
| 84" | 83.45" | 83.85" | 83.70" | 83.50" | 83.20" |
| 96" | 95.45" | 95.85" | 95.70" | 95.50" | 95.20" |

## SW-HE ENC LENGTHS BY INCH

### EXACT LENGTH

| Requested Length | Potential dim spot on either end of a S1 fixture   End Feed |
|---|---|
| 12" | 1" |
| 13" | 0.5" |
| 14" | 1" |
| 15" | 0.5" |
| 16" | 1" |
| 17" | 0.5" |
| 18" | 1" |
| 19" | 0.5" |
| 20" | 1" |
| 21" | 0.5" |
| 22" | 1" |
| 23" | 0.5" |
| 24" | 1" |
| 36" | 1" |
| 48" | 1" |
| 60" | 1" |
| 72" | 1" |
| 84" | 1" |
| 96" | 1" |

### OPTIMAL LENGTH

| Requested Nominal Length | S1   End Feed | S2 & S3 & S4   S2 Bottom Feed / S3 Side Feed - Left / S4 Side Feed - Right | P1   End Feed | P2 & P3 & P4   P2 Bottom Feed / P3 Side Feed - Left / P4 Side Feed - Right | S5 & P5   S5 Seamless Feed / P5 Seamless Feed |
|---|---|---|---|---|---|
| 12" | 10.45" | 10.85" | 10.70" | 11.50" | 10.20" |
| 13" | 12.45" | 12.85" | 12.70" | 11.50" | 12.20" |
| 14" | 12.45" | 12.85" | 12.70" | 13.50" | 12.20" |
| 15" | 14.45" | 14.85" | 14.70" | 13.50" | 14.20" |
| 16" | 14.45" | 14.85" | 14.70" | 15.50" | 14.20" |
| 17" | 16.45" | 16.85" | 16.70" | 15.50" | 16.20" |
| 18" | 16.45" | 16.85" | 16.70" | 17.50" | 16.20" |
| 19" | 18.45" | 18.85" | 18.70" | 17.50" | 18.20" |
| 20" | 18.45" | 18.85" | 18.70" | 19.50" | 18.20" |
| 21" | 20.45" | 20.85" | 20.70" | 19.50" | 20.20" |
| 22" | 20.45" | 20.85" | 20.70" | 21.50" | 20.20" |
| 23" | 22.45" | 22.85" | 22.70" | 21.50" | 22.20" |
| 24" | 22.45" | 22.85" | 22.70" | 23.50" | 22.20" |
| 36" | 34.45" | 34.85" | 34.70" | 35.50" | 34.20" |
| 48" | 46.45" | 46.85" | 46.70" | 47.50" | 46.20" |
| 60" | 58.45" | 58.85" | 58.70" | 59.50" | 58.20" |
| 72" | 70.45" | 70.85" | 70.70" | 71.50" | 70.20" |
| 84" | 82.45" | 82.85" | 82.70" | 83.50" | 82.20" |
| 96" | 94.45" | 94.85" | 94.70" | 95.50" | 94.20" |

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Specification subject to change. Rev-11-24-26

# Q-CAP BOXA™ STATIC WHITE

24VDC Flexible Fixtures

## COMPATIBLE POWER SUPPLIES

See power supplies cut sheets for more information. Data subject to change, all data has +/- 5% tolerance.

| DIM TO LEVEL | INDOOR | | OUTDOOR | |
|---|---|---|---|---|
| | SW24/1.5-4.0 | SW24/5.0, SW-HE, SW-HE+ | SW24/1.5-4.0 | SW24/5.0, SW-HE, SW-HE+ |
| Dim to Black | Q6M-DC+CAP<br>QTM-DC+CAP<br>iQ-PH+QD1 | Q6M-DC+CAP<br>QTM-DC+CAP<br>iQ-PH+QD1 | QOM-DC+CAP<br>QOM-PH | QOM-DC+CAP<br>QOM-PH |
| 0.1% | QT-CAB-QZ-PH/0-10V<br>QT-CAB-eLED+0-10V<br>QT-CAB-eLED+0-10V-AWN<br>QT-CAB-eLED+DALI-DT6<br>QT-CAB-eLED+DALI-DT6-AWN<br>QTM-eLED+0-10V<br>QTM-eLED+0-10V-AWN<br>QTM-eLED+DALI-DT6<br>QTM-eLED+DALI-DT6-AWN<br>QZ-BOWTIE+DIMMER<br>QZ-DMX<br>QZ-PRO-PH/0-10V<br>QZ-STICK-PH/0-10V<br>QZLP | QT-CAB-QZ-PH/0-10V<br>QT-CAB-eLED+0-10V<br>QT-CAB-eLED+0-10V-AWN<br>QT-CAB-eLED+DALI-DT6<br>QT-CAB-eLED+DALI-DT6-AWN<br>QTM-eLED+0-10V<br>QTM-eLED+0-10V-AWN<br>QTM-eLED+DALI-DT6<br>QTM-eLED+DALI-DT6-AWN<br>QZ-BOWTIE+DIMMER<br>QZ-DMX<br>QZ-PRO-PH/0-10V<br>QZ-STICK-PH/0-10V<br>QZLP | Q-SET-QZ-DMX<br>Q-SET-QZ-PH/0-10V<br>Q-SET-eLED+0-10V<br>QOM-eLED+0-10V<br>QOM-eLED+DALI-DT6<br>QOM-eLED+DALI-DT6-PS<br>QZ-DMX<br>QZ-PRO-PH/0-10V | Q-SET-QZ-DMX<br>Q-SET-QZ-PH/0-10V<br>Q-SET-eLED+0-10V<br>QOM-eLED+0-10V<br>QOM-eLED+DALI-DT6<br>QOM-eLED+DALI-DT6-PS<br>QZ-DMX<br>QZ-PRO-PH/0-10V |
| 1% | Q-DIM<br>QTM-eLED(E)<br>QZ-DALI-DT6 | Q-DIM<br>QTM-eLED(E)<br>QZ-DALI-DT6 | Q-SET+QZ-DALI-DT6<br>QZ-DALI-DT6 | Q-SET+QZ-DALI-DT6<br>QZ-DALI-DT6 |
| 10% | Non-Dim Power Supply with SW App Dongle | Non-Dim Power Supply with SW App Dongle | Q-HEX-mini-DC<br>Q-SET-mLED | |

| DIMMING PROTOCOL | INDOOR | | OUTDOOR | |
|---|---|---|---|---|
| | SW24/1.5-4.0 | SW24/5.0, SW-HE, SW-HE+ | SW24/1.5-4.0 | SW24/5.0, SW-HE, SW-HE+ |
| Non-Dim | QT-CAB-eLED-ND<br>QTM-eLED-ND<br>QZ-ND | QT-CAB-eLED-ND<br>QTM-eLED-ND<br>QZ-ND | Q-SET-QZ-ND<br>Q-SET-eLED-ND<br>QOM-eLED-ND<br>QZ-ND | Q-SET-QZ-ND<br>Q-SET-eLED-ND<br>QOM-eLED-ND<br>QZ-ND |
| Phase | Q6M-DC+CAP<br>QT-CAB-QZ-PH/0-10V<br>QTM-DC+CAP<br>QTM-eLED(E)<br>QZ-BOWTIE+DIMMER<br>QZ-PRO-PH/0-10V<br>QZ-STICK-PH/0-10V<br>QZLP<br>iQ-PH+QD1 | Q6M-DC+CAP<br>QT-CAB-QZ-PH/0-10V<br>QTM-DC+CAP<br>QTM-eLED(E)<br>QZ-BOWTIE+DIMMER<br>QZ-PRO-PH/0-10V<br>QZ-STICK-PH/0-10V<br>QZLP<br>iQ-PH+QD1 | Q-HEX-mini-DC<br>Q-SET-QZ-PH/0-10V<br>Q-SET-mLED<br>QOM-DC+CAP<br>QOM-PH<br>QZ-PRO-PH/0-10V | Q-SET-QZ-PH/0-10V<br>QOM-DC+CAP<br>QOM-PH<br>QZ-PRO-PH/0-10V |
| 0-10V | QT-CAB-QZ-PH/0-10V<br>QT-CAB-eLED+0-10V<br>QT-CAB-eLED+0-10V-AWN<br>QTM-eLED+0-10V<br>QTM-eLED+0-10V-AWN<br>QZ-PRO-PH/0-10V<br>QZ-STICK-PH/0-10V<br>QZLP | QT-CAB-QZ-PH/0-10V<br>QT-CAB-eLED+0-10V<br>QT-CAB-eLED+0-10V-AWN<br>QTM-eLED+0-10V<br>QTM-eLED+0-10V-AWN<br>QZ-PRO-PH/0-10V<br>QZ-STICK-PH/0-10V<br>QZLP | Q-SET-QZ-PH/0-10V<br>Q-SET-eLED+0-10V<br>QOM-eLED+0-10V<br>QZ-PRO-PH/0-10V | Q-SET-QZ-PH/0-10V<br>Q-SET-eLED+0-10V<br>QOM-eLED+0-10V<br>QZ-PRO-PH/0-10V |
| Lutron Athena | QT-CAB-eLED+0-10V-AWN<br>QT-CAB-eLED+DALI-DT6-AWN<br>QTM-eLED+0-10V-AWN<br>QTM-eLED+DALI-DT6-AWN | QT-CAB-eLED+0-10V-AWN<br>QT-CAB-eLED+DALI-DT6-AWN<br>QTM-eLED+0-10V-AWN<br>QTM-eLED+DALI-DT6-AWN | | |
| ECO System | QTM-eLED(E) | QTM-eLED(E) | | |
| DMX | QZ-DMX | QZ-DMX | Q-SET-QZ-DMX<br>QZ-DMX | Q-SET-QZ-DMX<br>QZ-DMX |
| DALI-2: DT6 | QT-CAB-eLED+DALI-DT6<br>QT-CAB-eLED+DALI-DT6-AWN<br>QTM-eLED+DALI-DT6<br>QTM-eLED+DALI-DT6-AWN<br>QZ-DALI-DT6 | QT-CAB-eLED+DALI-DT6<br>QT-CAB-eLED+DALI-DT6-AWN<br>QTM-eLED+DALI-DT6<br>QTM-eLED+DALI-DT6-AWN<br>QZ-DALI-DT6 | Q-SET+QZ-DALI-DT6<br>QOM-eLED+DALI-DT6<br>QZ-DALI-DT6 | Q-SET+QZ-DALI-DT6<br>QOM-eLED+DALI-DT6<br>QZ-DALI-DT6 |
| SCENE App Dimmed | Non-Dim Power Supply with SW App Dongle | Non-Dim Power Supply with SW App Dongle | | |

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# Q-CAP BOXA™ STATIC WHITE

24VDC Flexible Fixtures

## COMPATIBLE MOUNTING ACCESSORIES

**Q-ANGLE**




Adjustable mounting accessory

**NJ-LARGE**



J Mounting Bracket

**NU-LARGE**



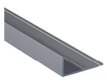
U Mounting Bracket

**SD-J-LARGE**



J Mounting Bracket

**BL-LARGE**



Backwards L Mounting Bracket

**NL-LARGE**



L Mounting Bracket

**SD-L-LARGE**



L Mounting Bracket

**iQ-QCAP-UNV-CUTTER**



QTL recommended FC Cutter

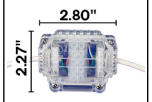
## COMPATIBLE WIRING ACCESSORIES

**Q-mini-J**




UL Listed, miniature junction box, DRY/DMP (WET rated with silicone)

**Q-mini-J5**




UL Listed, miniature junction box, DRY/DMP (WET rated with silicone)

**BARREL-EXT**



8ft barrel cable extender DRY ONLY

**BARREL FOUR-FER**



Splits lead from one to four LED Barrel connector fixtures, DRY/DMP

**CON120-EXT**



10ft Con cable extender DRY/DMP/WET

**CON FOUR-FER**



Splits lead from one to four LED Con connectors DRY/DMP/WET

## COMPATIBLE CONTROL ACCESSORIES

**SCENE APP DONGLE**




Wi-Fi or Bluetooth Connectivity

## COMPATIBLE APPS

**NFC APP**




Read and write DMX addresses and adjust voltage

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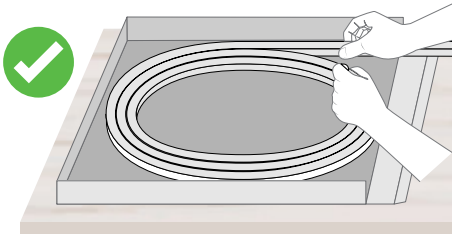
# BOXA

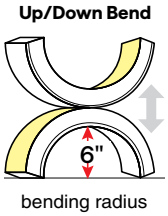
Q-CAP HANDLING INSTRUCTIONS

# WARNING: FRAGILE

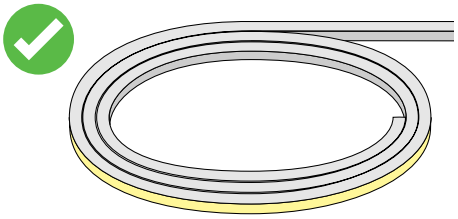
**Flexible fixtures contain sensitive electronics, requiring careful handling and installation to preserve their warranty. When unpacking flexible fixtures, handle them gently and test all fixtures upon receiving.**



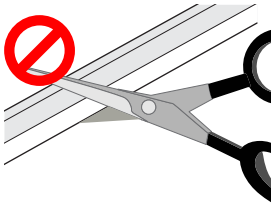
Keep the fixtures flat and supported when removing them from the box. Unroll them carefully on a flat surface and do not bend them against the intended bend direction.



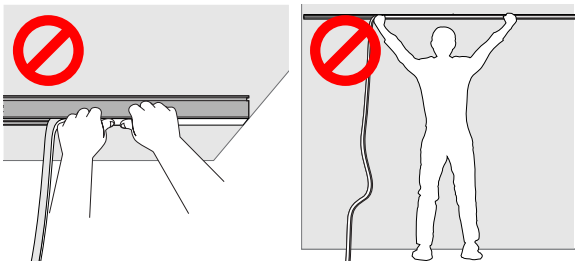

This BOXA fixture can only be up and down bent. Do not bend the fixture more than a 6" radius.



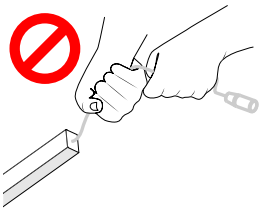
Powering the fixtures prior to installing will warm them up and make them more flexible, preventing damage.



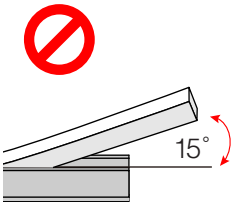
Only FC fixtures are field cuttable. Do not attempt to cut non-FC fixtures. Field modifications void warranty.



Do not let any portion of the fixture hang in any direction during installation. Use two people to install to ensure the fixture does not hang.



Do not grab or pull by the wire feeds.




Do not bend the fixture more than 15 degrees when installing into mounting brackets or channels.

# MISHANDLING OF FIXTURES DURING INSTALLATION VOIDS WARRANTY

## TEMPERATURE RATINGS

| Static White & Static White HE | 1.5 W/FT | | 1.5HE W/FT | | 3.0 W/FT | | 3.0HE W/FT | | 5.0 W/FT | | 6.0HE W/FT | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max |
| Ambient Operating Temp - Surface | -4°F | 130°F | -4°F | 140°F | -4°F | 125°F | -4°F | 125°F | -4°F | 105°F | -4°F | 95°F |
| Storage Temp | -4°F | 140°F | -4°F | 140°F | -4°F | 140°F | -4°F | 140°F | -4°F | 140°F | -4°F | 140°F |
| Installation Temp | 50°F | 100°F | 50°F | 100°F | 50°F | 100°F | 50°F | 100°F | 50°F | 100°F | 50°F | 100°F |

| Static Color | 5.0 W/FT | |
|---|---|---|
| | Min | Max |
| Ambient Operating Temp - Surface | -4°F | 105°F |
| Storage Temp | -4°F | 120°F |
| Installation Temp | 50°F | 100°F |

| Tunable & Warm Dim | DW 1.5HE W/FT | | DW 2.5HE W/FT | |
|---|---|---|---|---|
| | Min | Max | Min | Max |
| Ambient Operating Temp - Surface | -4°F | 140°F | -4°F | 125°F |
| Storage Temp | -4°F | 120°F | -4°F | 120°F |
| Installation Temp | 50°F | 100°F | 50°F | 100°F |

| RGB | 6.0 W/FT | |
|---|---|---|
| | Min | Max |
| Ambient Operating Temp - Surface | -14°F | 90°F |
| Storage Temp | -13°F | 176°F |
| Installation Temp | 50°F | 100°F |

| RGBW & RGBW-HE | 6.0 W/FT | | 4.0HE W/FT | |
|---|---|---|---|---|
| | Min | Max | Min | Max |
| Ambient Operating Temp - Surface | -4°F | 95°F | -4°F | 110°F |
| Storage Temp | -4°F | 140°F | -4°F | 176°F |
| Installation Temp | 50°F | 100°F | 50°F | 100°F |

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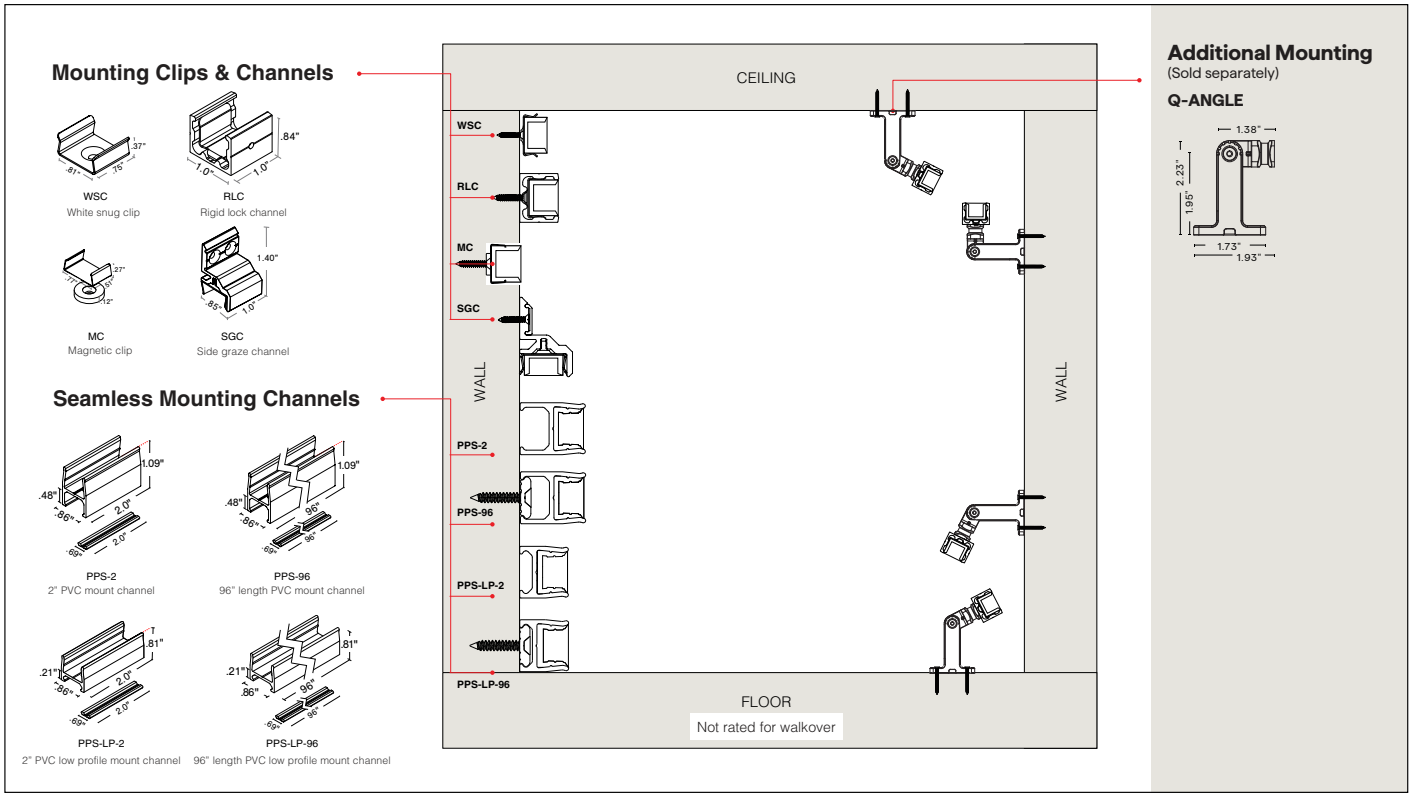
# BOXA

Q-CAP Installation Instructions

## ATTENTION: Please read all instructions BEFORE installation

- Product to be installed by a licensed electrician - Field modifications void warranty
- Use only with Class 2 power supply unit — Warranty only valid with QTL power supplies
- Surface mount or recessed in millwork
- Not rated for walkover
- Input Voltage: 24VDC
- Diagrams for representation only and not to scale.

## METHODS OF INSTALLATION




### Mounting Method

- WSC (page 7)
- RLC (page 8)
- SGC (page 9)
- BN-UD (page 10)
- MC (page 11)
- PPS-2 (page 12)
- PPS-LP-2 (page 13)
- PPS-96 (page 14)
- PPS-LP-96 (page 15)



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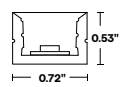
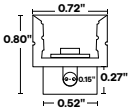
# BOXA

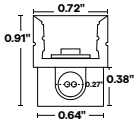
Q-CAP Installation Instructions



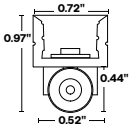

BOXA Profile



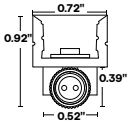

BOXA Profile (Seamless BW - DRY/WET)



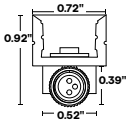

BOXA Profile (Seamless BW - SBM)



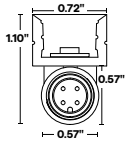

BOXA Profile (Seamless BRL)



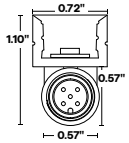

BOXA Profile (Seamless CON24 SW, SW-HE, SC)




BOXA Profile (Seamless CON24 DW-HE)




BOXA Profile (Seamless CON24 RGB)



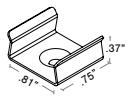

BOXA Profile (Seamless CON24 RGBW)

## COMPONENTS & HARDWARE

Alternate screw lengths can be used in installation as long as the screw diameter size is consistent with the included screw diameter size

### MOUNTING CLIP & MOUNTING CHANNEL

#### WSC

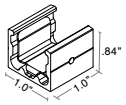



White snug clip

**Included**
- #6 Flat Screw (one provided for each clip)

- White snug clip included with side graze channel
- 2 white snug clips provided per first 12", 1 for each additional 12".Other mounting styles incur additional charge, see price guide for details

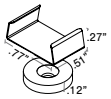
#### RLC




Rigid lock channel

**Included**
- #6 Flat Screw (one provided for each clip)
- 5/64 Allen key
- #8-32 Set Screw

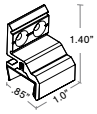
#### MC




Magnetic clip (Cove use only)

**Included**
- #6 Flat Screw (one provided for each clip)

#### SGC

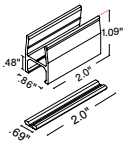



Side graze channel

**Included**
- #6 Flat Screw (one provided for each clip)

### SEAMLESS MOUNTING CLIP & SEAMLESS MOUNTING CHANNEL

#### PPS-2

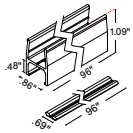



PVC mounting clip

**Included**
- #8 flat head screw (one provided for each clip)
- Built in wireway

- Join two fixtures together
- PPS-2 kit quantity: **(2 kits per ft) + 1**. For example: 1 ft = (2 × 1) + 1 = 3 PPS-2 kits provided.

#### PPS-96

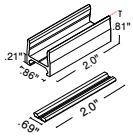



PVC channel

**Included**
- #8 flat head screw (1 screw for every 16")
- Built in wireway

- Support the fixtures
- PPS-96 kit quantity: **(2 kits per ft) + 1**. For example: 1 ft = (2 × 1) + 1 = 3 PPS-96 kits provided.

#### PPS-LP-2

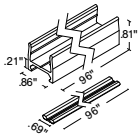



Low profile PVC mounting clip

**Included**
- #8 flat head screw (one provided for each clip)
- No wireway

- Join two fixtures together
- PPS-LP-2 kit quantity: **(2 kits per ft) + 1**. For example: 1 ft = (2 × 1) + 1 = 3 PPS-LP-2 kits provided.

#### PPS-LP-96

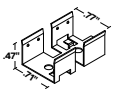



Low profile PVC channel

**Included**
- #8 flat head screw (1 screw for every 16")
- No wireway

- Support the fixtures
- PPS-LP-96 kit quantity: **(2 kits per ft) + 1**. For example: 1 ft = (2 × 1) + 1 = 3 PPS-LP-96 kits provided.

### STND-QCAP-BN-UD




Vertical Flexible Channel

**Included**
- #4-40 1/2" screws (64 screws for every 16')



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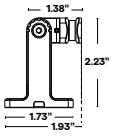
# BOXA

Q-CAP Installation Instructions

| ACCESSORIES SOLD SEPARATELY |
| --- |
| **Q-ANGLE;** sold in pairs |




Q-ANGLE

| Included |
| --- |
| • 4 SS #6×1.25" Flat head wood screws |
| • 2 SS 4-40 Flat head clip screws |
| • 2 SS 6-32 Fillister screws |



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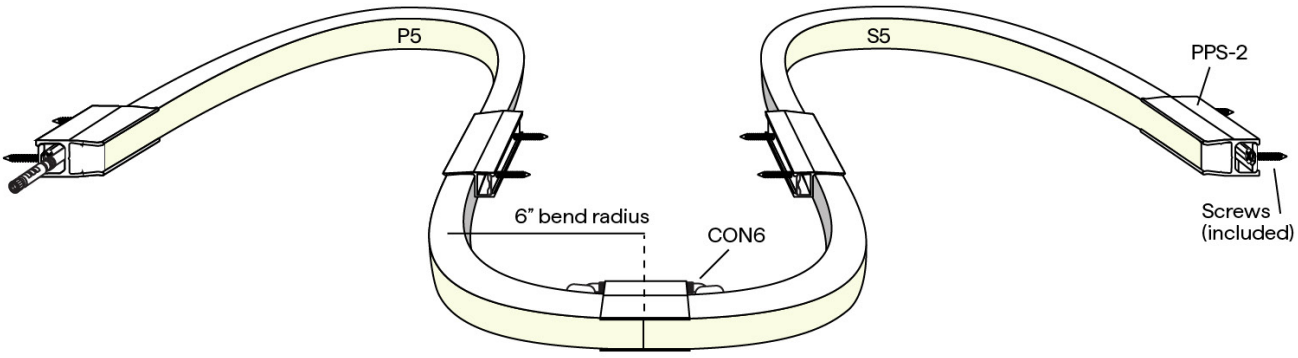
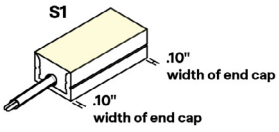
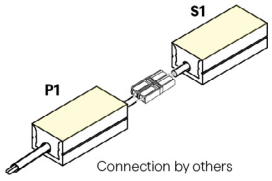
## CONFIGURATION OPTIONS

BOXA

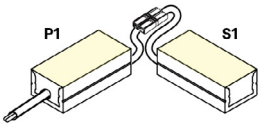


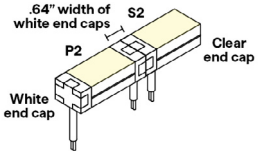

Single End Feed



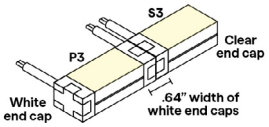

Non-Continuous End Feed



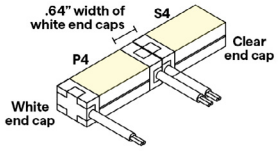

Non-Continuous Corner Feed



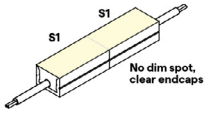

Continuous Bottom Feed



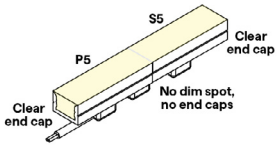

Continuous Side Feed - Left



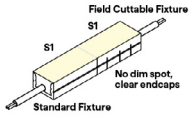

Continuous Side Feed - Right



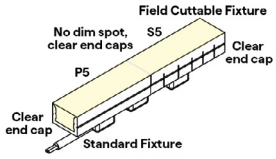

Continuous End to End Feed




Seamless Bottom Feed




Field Cuttable - Continuous End to End Feed




Field Cuttable - Seamless Bottom Feed

Review wire method to ensure clean installation prior to mounting finished fixture.

**NOTE:** Additional wire methods include:
S1, S2, S3, S4, S5: Connector/Wire Input only
P1, P2, P3, P4, P5: Connector/Wire Input and Output



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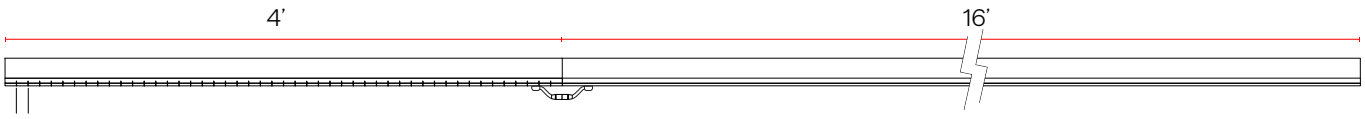
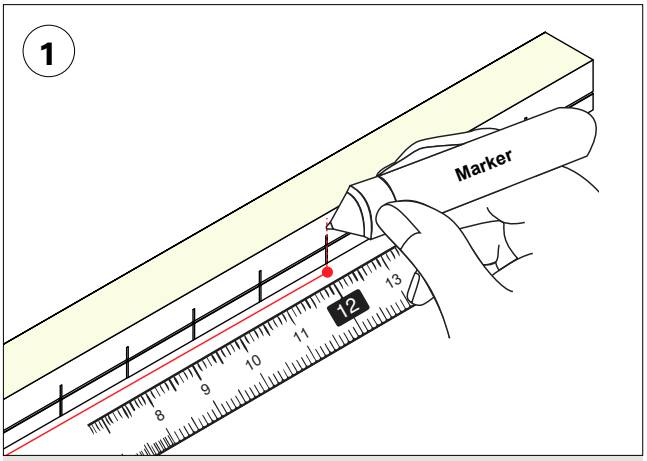
## FIELD CUTTABLE

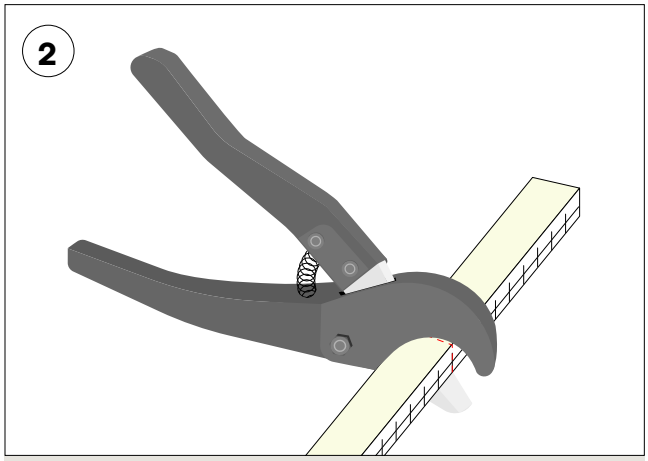
- Field cuttable fixtures are sold in 4' increments and go at the end of a run, allowing easy field adjustment
- Only FC fixtures are field cuttable - DO NOT CUT NON-FIELD CUTTABLE FIXTURES
- Do not attempt to cut while power is on




Mark desired length on field cuttable housing on the cut line.

**NOTE:** Only Cut on the marked cut lines. Only cut from non-feed end.




Cut with Q-CAP cutter tools (sold separately).



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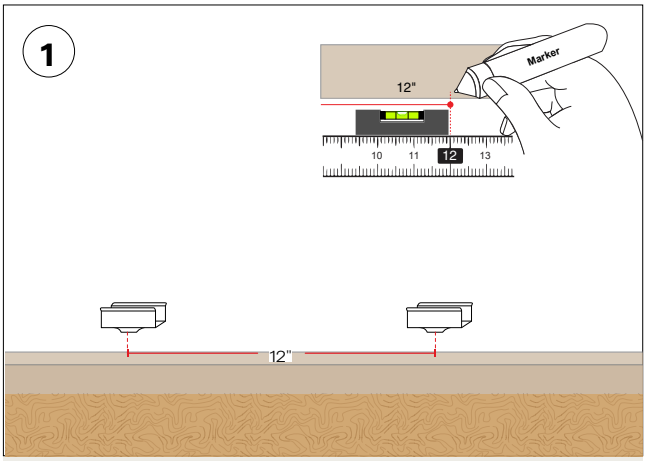
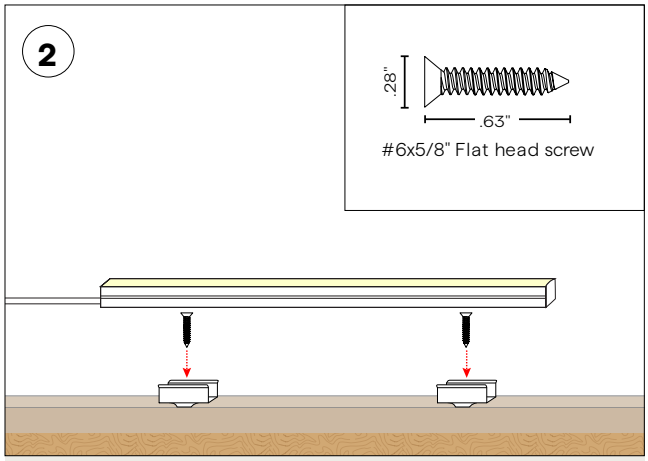
## SURFACE MOUNTING METHOD: **WHITE SNUG CLIP**

- 2 clips provided per first 12", 1 for each additional 12"

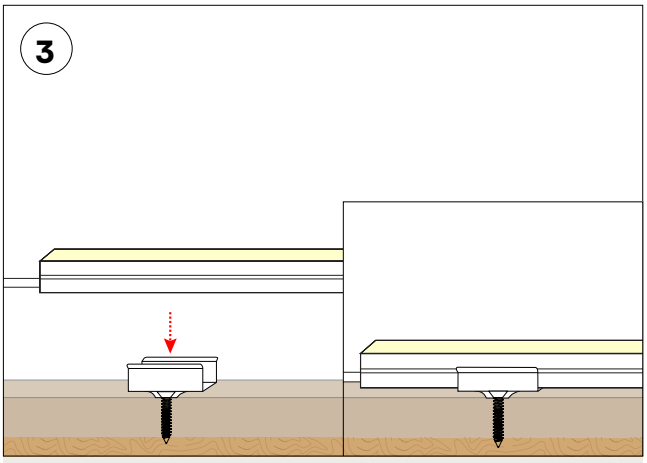



Determine the fixture(s) location and positioning on desired surface; evenly distribute clips. Make any necessary reference markings to indicate where each clip is to be secured in place. Recommended every 12".




- Secure clips using the #6 flat head hardware provided
- Ensure the screw head is flush with the clip's base.

**NOTE:** Flat head screw type is dependent on surface/application material Alternative flat head screws may be required. Refer to the surface material manufacturer for suggested screw type.




Snap fixture onto clips.



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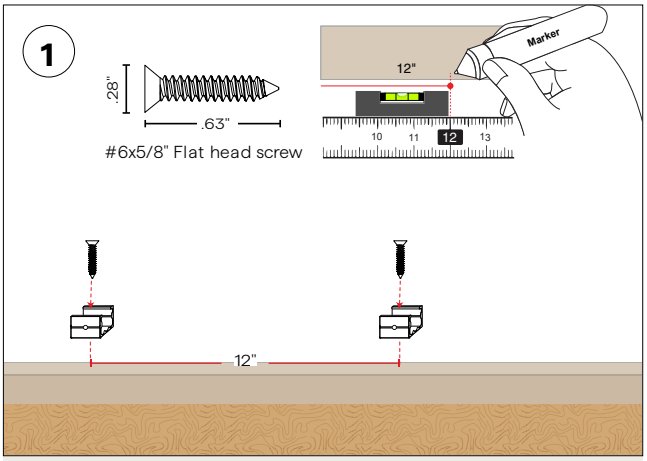
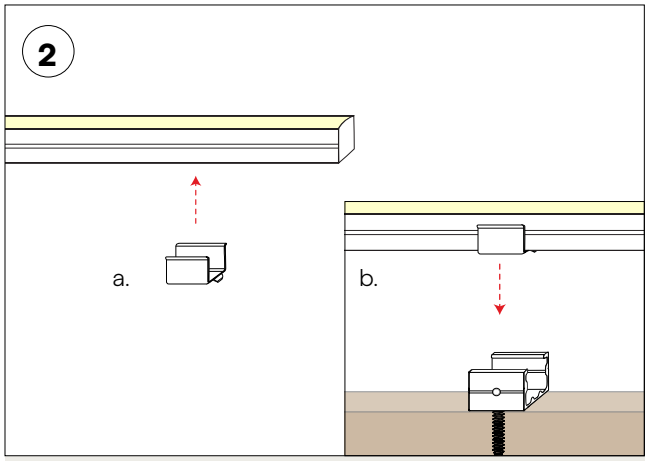
## SURFACE MOUNTING METHOD: **RIGID LOCK CHANNEL**

- 2 clips provided per first 12", 1 for each additional 12"

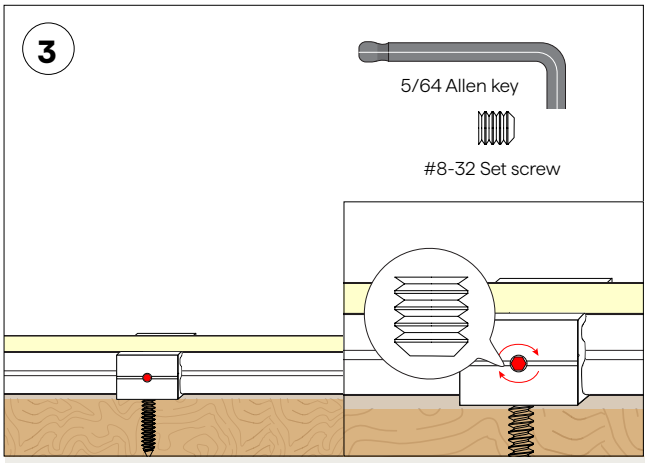



Determine the fixture(s) location and positioning on desired surface; evenly distribute clips. Make any necessary reference markings to indicate where each clip is to be secured in place. Recommended every 12".




**a.** Push retainer clip onto fixture.

**b.** Push fixture with retainer clip into Rigid Lock Channel.




Tighten set screw to lock fixture in channel for extra security.



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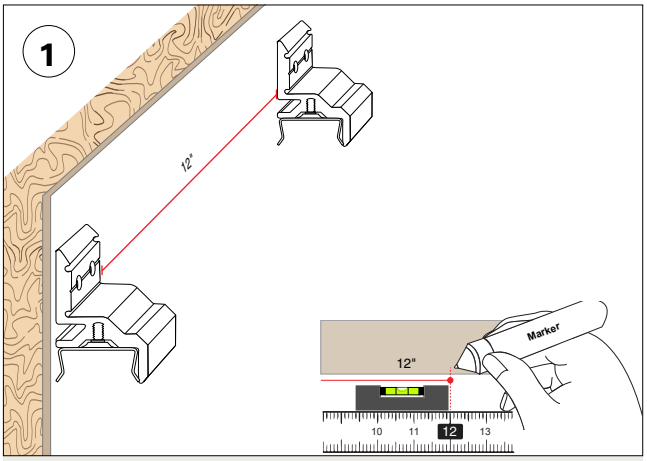
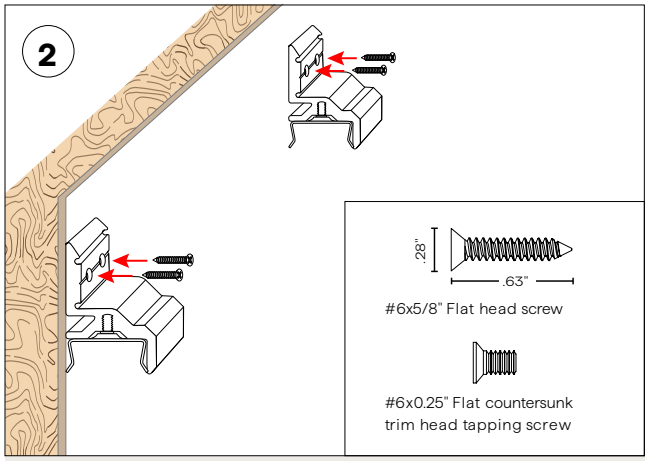
## SURFACE MOUNTING METHOD: **SIDE GRAZE CHANNEL**

- 2 clips provided per first 12", 1 for each additional 12"

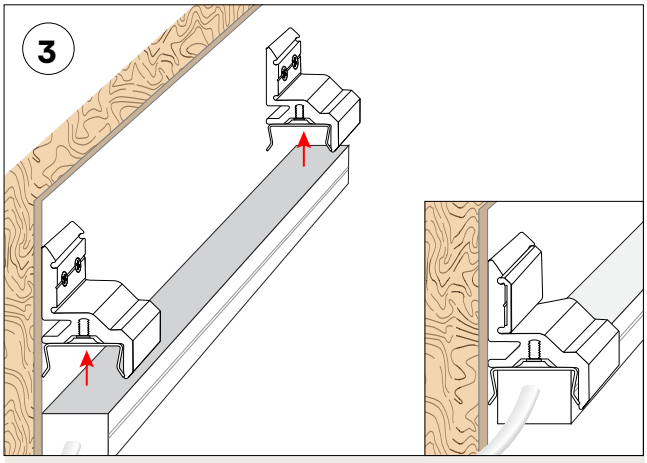



Determine the fixture(s) location and positioning on desired surface; evenly distribute clips. Make any necessary reference markings to indicate where each clip is to be secured in place. Recommended every 12".




- Secure clips using the #6 flat head hardware provided
- Ensure the screw head is flush with the clip's base.

**NOTE:** Flat head screw type is dependent on surface/application material Alternative flat head screws may be required. Refer to the surface material manufacturer for suggested screw type.




Snap fixture onto clips.



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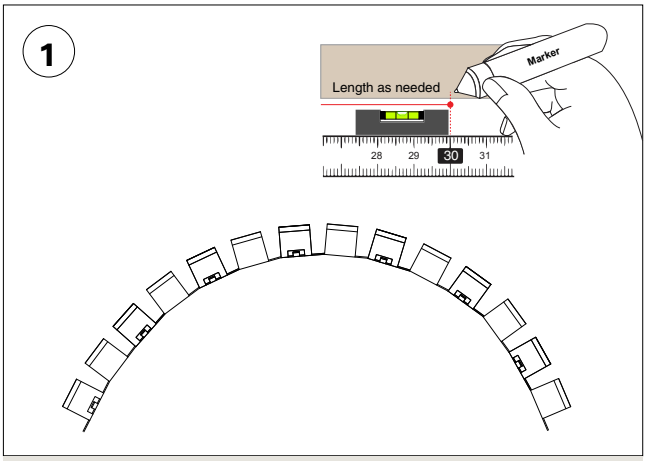
# BOXA

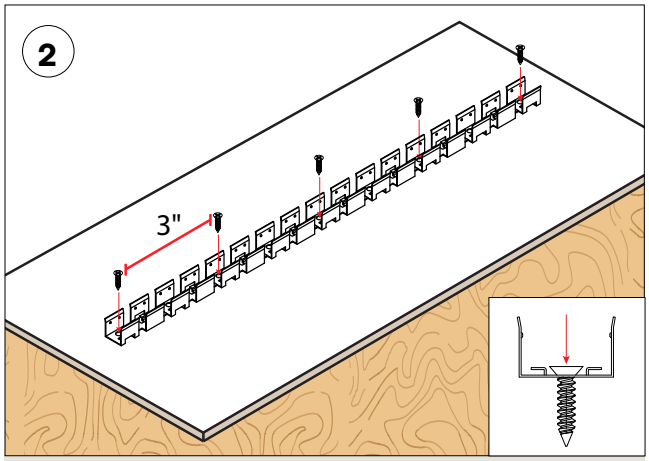
Q-CAP Installation Instructions

SURFACE MOUNTING METHOD: **BN-UD**

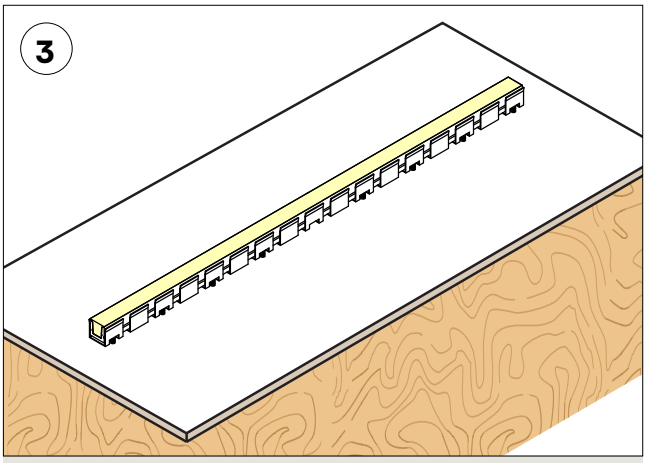



Determine the fixture(s) location and positioning on desired surface and arrange the BENDIT channel into the desired shape. Make any necessary reference markings to indicate where the channel is to be secured in place.

**NOTE:** The bend of the channel cannot exceed the bend of the fixture, Bending past the recommended amount can damage the fixture, Please see Q-CAP fixture bend radius chart or fixture cut sheet




Use #4 tapping screws to make shape desired while not exceeding fixture bend radius. Recommended 1 screw approximately every 3”




Press fit the fixture into the channel until secure.

| Q-CAP Fixture Bend Radius | | | |
|---|---|---|---|
| Fixture | Vertical Bend | Horizontal Bend | Helical Bend |
| ANYBEND | 9" | 9" | - |
| BOXA | 6" | - | - |
| KURV | - | 6" | - |
| KURV-BK | - | 10" | - |
| LUME | 6" | - | - |
| NEXUS | 4" | - | 4" |
| WALA | - | 6" | - |
| WAVE | 6" | - | - |
| WURM | 6" | - | 6" |
| ZALA | - | 6" | - |



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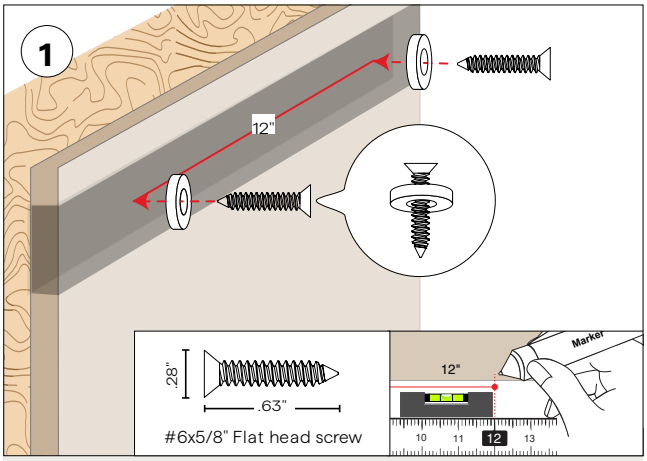
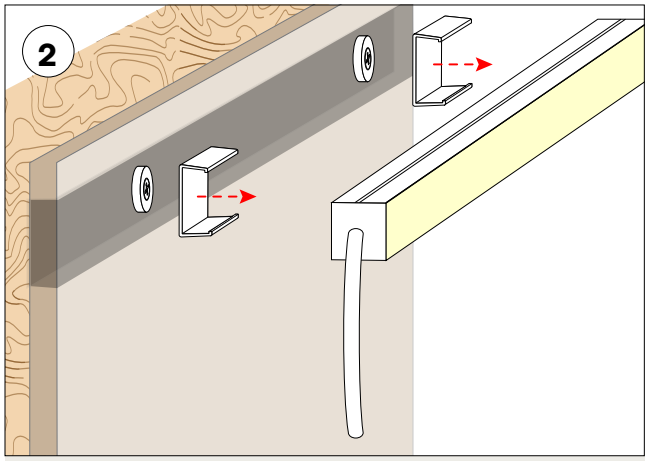
## RECESSED MOUNTING METHOD: **MAGNETIC CLIP**

- 2 clips provided per first 12", 1 for each additional 12"

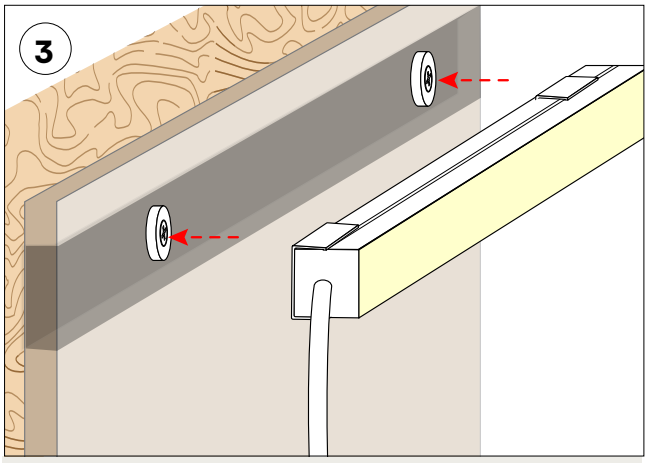



Determine the fixture(s) location and positioning on desired surface; evenly distribute clips. Make any necessary reference markings to indicate where each clip is to be secured in place. Recommended every 12".




Attach clips to fixture matching magnet distances.

**NOTE:** Flat head screw type is dependent on surface/application material. Alternative flat head screws may be required. Refer to the surface material manufacturer for suggested screw type.




Align and snap fixture to magnetic rings.



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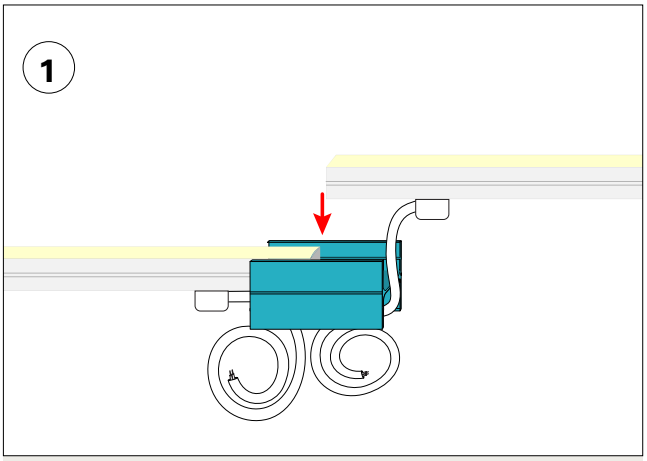
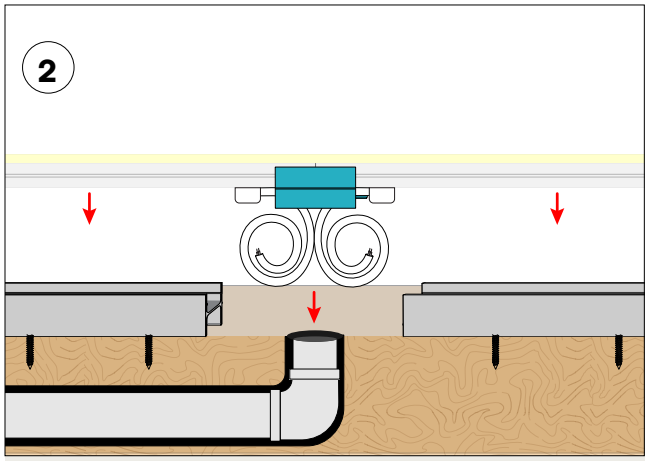
## SEAMLESS MOUNTING METHOD: **PPS-2**

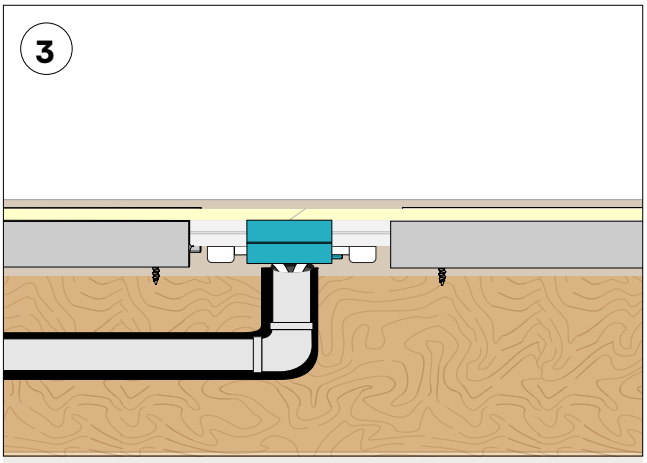
- Connects two seamless fixtures, with or without wire exit
- 2" PVC mount chanel
- Built in wireway




Press both fixtures into PPS clip.




Snap fixture into mounted PPS channel. Align the wire exit with conduit and leave a space in the bracketing for the wire exits.




Finished assembly for seamless bottom feed mounting



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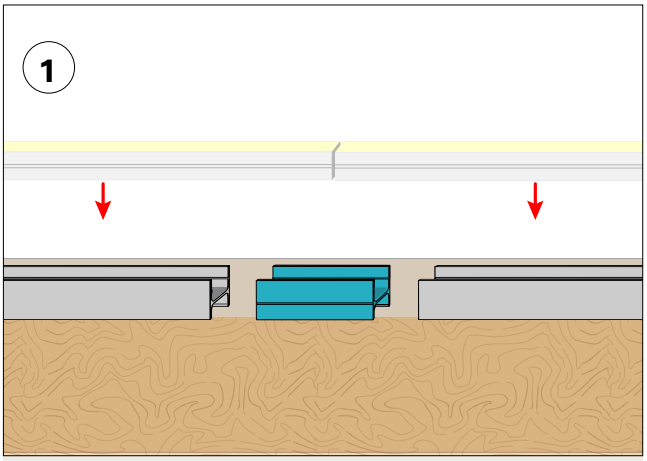
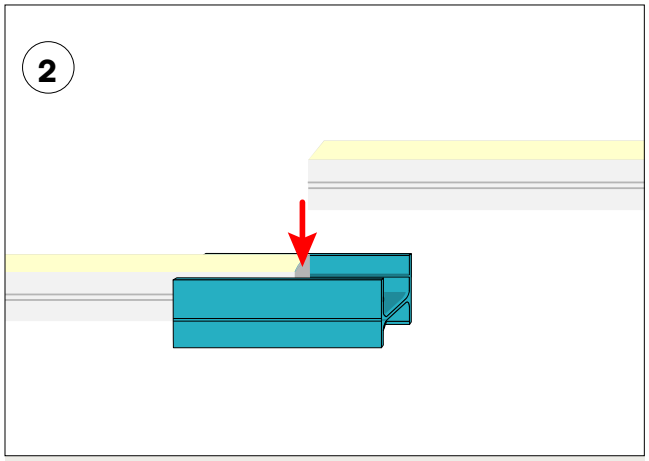
## SEAMLESS MOUNTING METHOD: **PPS-LP-2**

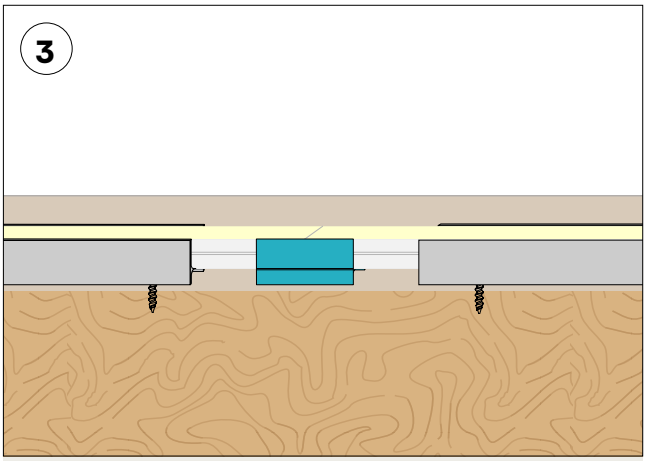
- Connects two fixtures, with no wire exit
- 2" low profile PVC mount chanel




Snap in 2" channel.




Press fixture into mounted PPS channel.




Finished assembly for end feed mounting



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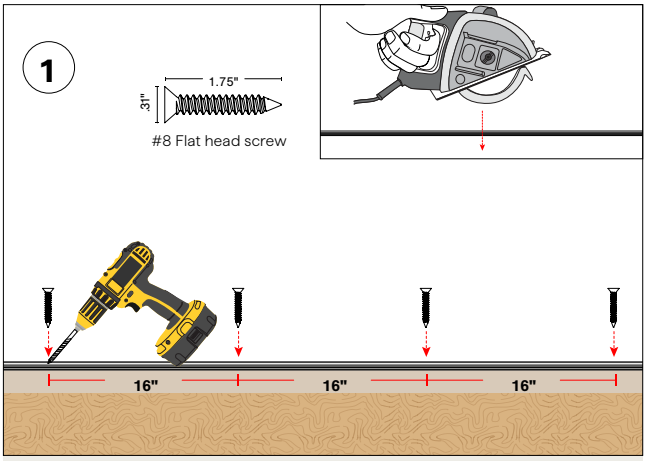
## SEAMLESS MOUNTING METHOD: **PPS-96**

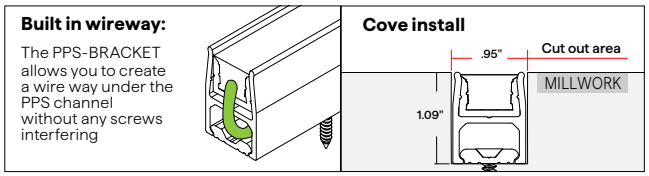
- Support two seamless fixtures, with or without wire exit
- 96" (PPS-96)
- Built in wireway

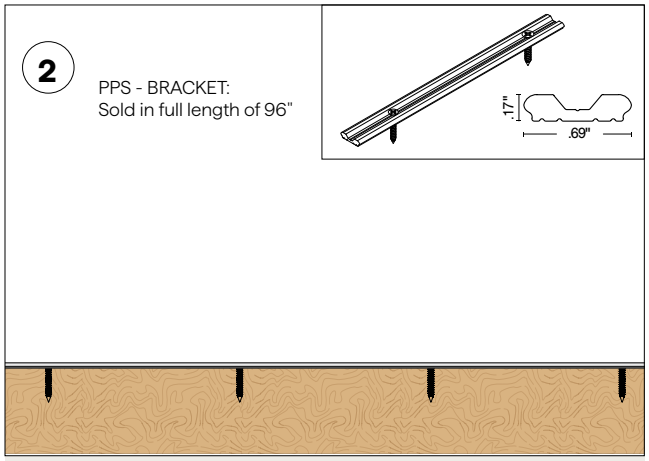



The PPS-BRACKET can be field cuttable and cut to whatever length your application requires. The PPS-BRACKET can be installed as a full length of 96", multiple smaller pieces, or end to end for longer seamless runs.

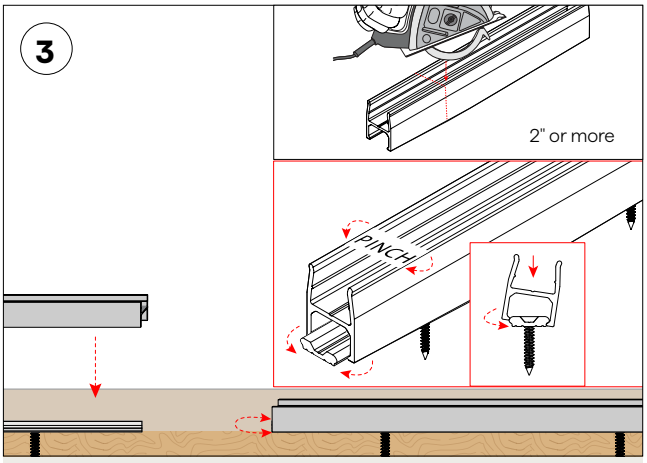
Using pre-drilled pilot holes screw the #8 flat head screws to mount the PPS-BRACKET (1 screw every 16").

**NOTE:** For drywall applications mount directly into a stud.




Using pre-drilled pilot holes, use the #8 flat head screws to mount the PPS-BRACKET.




To mount, pinch the upper half of the PPS-96 while you pivot it around one side of the PPS-BRACKET and push-in until you hear it snap into place. PPS-FT flexes around the PPS-BRACKET to create a solid, and secure snap on connection.



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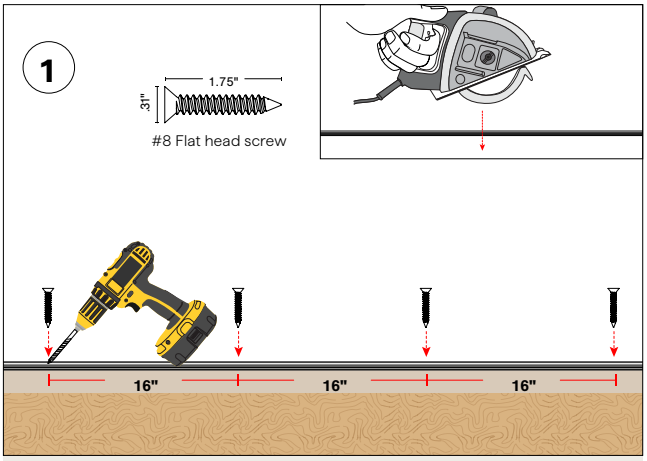
## SEAMLESS MOUNTING METHOD: **PPS-LP-96**

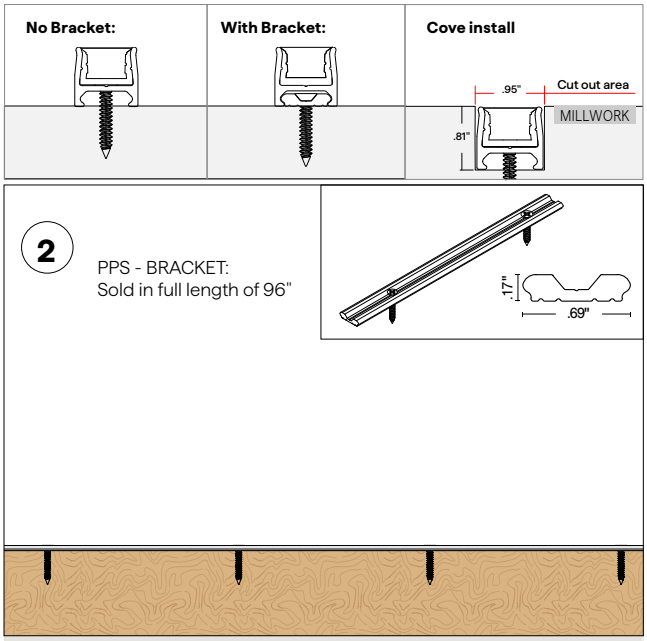
- Support two fixtures, without built-in wireway
- 96" (PPS-LP-96) low profile PVC mount channel



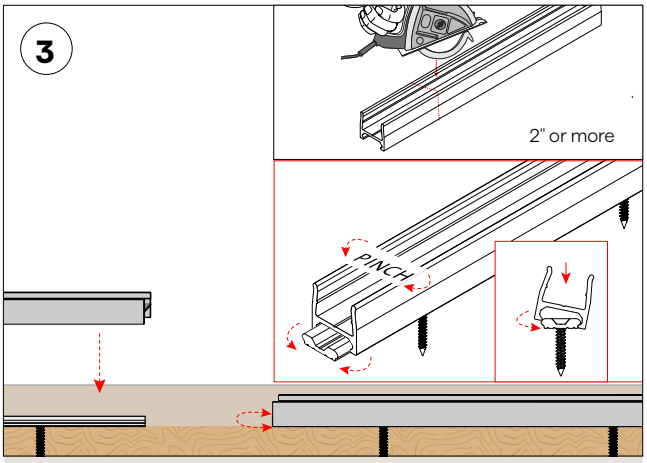

The PPS-BRACKET can be field cuttable and cut to whatever length your application requires. The PPS-BRACKET can be installed as a full length of 96", multiple smaller pieces, or end to end for longer seamless runs.

Using pre-drilled pilot holes screw the #8 flat head screws to mount the PPS-BRACKET (1 screw every 16").

**NOTE:** For drywall applications mount directly into a stud.




Using pre-drilled pilot holes, use the #8 flat head screws to mount the PPS-BRACKET.




To mount, pinch the upper half of the PPS-LP-96 while you pivot it around one side of the PPS-BRACKET and push-in until you hear it snap into place. The PPS-LP-96 flexes around the PPS-BRACKET to create a solid, and secure snap on connection.



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# Q-CAP BOXA-SW

Flexible Fixtures Color Data

## BOXA-SW-DRY-24-5.0-ENC/CL

2389 K

**CRI:** 93.7

**CRI R9:** 68.2

**TM30 Rf:** 90.0

**TM30 Rg:** 104.1

**CQS:** 86.2

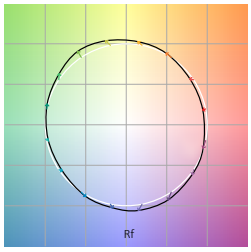
**X:** 0.482

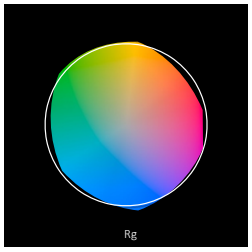
**Y:** 0.406

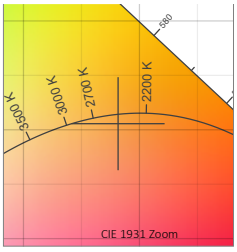
**U:** 0.279

**V:** 0.352

**Δuv:** -0.0030




| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 95.3 | 97.2 | 95.9 | 93.9 | 94.4 | 96.4 | 92.1 | 84.8 | 68.2 | 91.1 | 94.3 | 86.3 | 96.1 | 96.2 | 92.0 |
| **Q1** | **Q2** | **Q3** | **Q4** | **Q5** | **Q6** | **Q7** | **Q8** | **Q9** | **Q10** | **Q11** | **Q12** | **Q13** | **Q14** | **Q15** |
| 84.9 | 92.8 | 84.2 | 85.3 | 88.7 | 85.0 | 79.7 | 84.0 | 94.1 | 88.4 | 87.6 | 87.2 | 87.9 | 87.1 | 86.0 |
| **C1** | **C2** | **C3** | **C4** | **C5** | **C6** | **C7** | **C8** | **C9** | **C10** | **C11** | **C12** | **C13** | **C14** | **C15** | **C16** |
| 92.3 | 91.8 | 83.5 | 89.3 | 91.2 | 88.6 | 88.4 | 91.1 | 95.1 | 92.5 | 89.2 | 88.2 | 90.0 | 85.2 | 91.5 | 87.2 |

| TM30 | | | |
|---|---|---|---|
| Hue Bin | $R_f$ | Chroma | Hue |
| 1 | 92 | -4% | -1% |
| 2 | 92 | -3% | 4% |
| 3 | 83 | 1% | 8% |
| 4 | 89 | 3% | 6% |
| 5 | 91 | 7% | 5% |
| 6 | 89 | 9% | -1% |
| 7 | 88 | 4% | -6% |
| 8 | 91 | 1% | -6% |
| 9 | 95 | -2% | -2% |
| 10 | 92 | -3% | 3% |
| 11 | 89 | 1% | 8% |
| 12 | 88 | 4% | 4% |
| 13 | 90 | 7% | -6% |
| 14 | 85 | 6% | -9% |
| 15 | 91 | 2% | -6% |
| 16 | 87 | -1% | -10% |

## BOXA-SW-DRY-27-5.0-ENC/CL

2813 K

**CRI:** 97.5

**CRI R9:** 94.8

**TM30 Rf:** 95.5

**TM30 Rg:** 102.1

**CQS:** 95.3

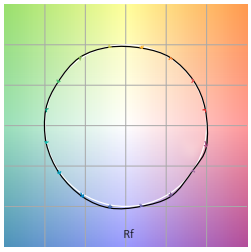
**X:** 0.448

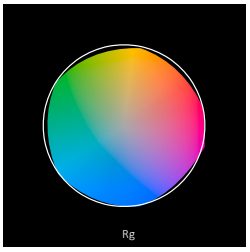
**Y:** 0.403

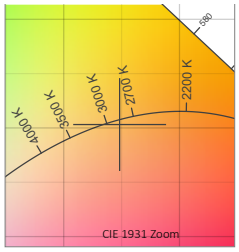
**U:** 0.258

**V:** 0.348

**Δuv:** -0.0017




| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 96.8 | 98.9 | 96.0 | 96.9 | 97.5 | 97.2 | 99.6 | 97.3 | 94.8 | 99.3 | 94.5 | 87.4 | 97.1 | 96.6 | 96.8 |
| **Q1** | **Q2** | **Q3** | **Q4** | **Q5** | **Q6** | **Q7** | **Q8** | **Q9** | **Q10** | **Q11** | **Q12** | **Q13** | **Q14** | **Q15** |
| 95.2 | 97.1 | 92.2 | 93.5 | 96.6 | 96.1 | 93.4 | 96.2 | 96.5 | 96.4 | 97.3 | 97.8 | 97.5 | 95.9 | 95.9 |
| **C1** | **C2** | **C3** | **C4** | **C5** | **C6** | **C7** | **C8** | **C9** | **C10** | **C11** | **C12** | **C13** | **C14** | **C15** | **C16** |
| 97.1 | 98.1 | 97.0 | 95.5 | 95.7 | 96.5 | 94.0 | 98.1 | 96.3 | 93.6 | 92.6 | 93.6 | 96.7 | 94.9 | 95.4 | 91.8 |

| TM30 | | | |
|---|---|---|---|
| Hue Bin | $R_f$ | Chroma | Hue |
| 1 | 97 | 0% | 0% |
| 2 | 98 | 1% | 0% |
| 3 | 97 | 1% | 0% |
| 4 | 95 | -2% | -1% |
| 5 | 96 | -1% | 1% |
| 6 | 97 | 2% | 1% |
| 7 | 94 | 0% | 2% |
| 8 | 98 | 1% | 0% |
| 9 | 96 | 1% | 2% |
| 10 | 94 | 1% | 4% |
| 11 | 93 | 3% | 5% |
| 12 | 94 | 4% | 1% |
| 13 | 97 | 2% | -2% |
| 14 | 95 | 4% | -2% |
| 15 | 95 | 0% | 0% |
| 16 | 92 | 3% | -6% |

## BOXA-SW-DRY-30-5.0-ENC/CL

2962 K

**CRI:** 97.8

**CRI R9:** 96.2

**TM30 Rf:** 93.9

**TM30 Rg:** 102.5

**CQS:** 93.1

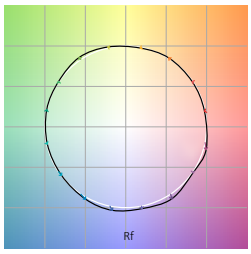
**X:** 0.436

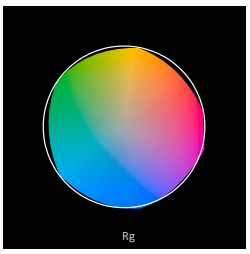
**Y:** 0.397

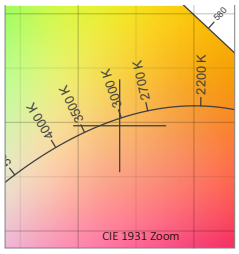
**U:** 0.253

**V:** 0.346

**Δuv:** -0.0027




| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99.5 | 98.6 | 94.6 | 97.6 | 98.7 | 96.5 | 98.1 | 98.6 | 96.2 | 94.6 | 96.3 | 82.9 | 99.6 | 95.9 | 99.4 |
| **Q1** | **Q2** | **Q3** | **Q4** | **Q5** | **Q6** | **Q7** | **Q8** | **Q9** | **Q10** | **Q11** | **Q12** | **Q13** | **Q14** | **Q15** |
| 96.9 | 97.8 | 87.7 | 88.9 | 93.9 | 93.9 | 90.0 | 93.8 | 95.9 | 93.6 | 93.9 | 94.9 | 96.1 | 96.3 | 96.9 |
| **C1** | **C2** | **C3** | **C4** | **C5** | **C6** | **C7** | **C8** | **C9** | **C10** | **C11** | **C12** | **C13** | **C14** | **C15** | **C16** |
| 97.0 | 97.2 | 93.5 | 94.1 | 94.2 | 94.8 | 94.3 | 97.2 | 96.4 | 91.0 | 88.7 | 90.7 | 95.7 | 92.8 | 95.7 | 89.9 |

| TM30 | | | |
|---|---|---|---|
| Hue Bin | $R_f$ | Chroma | Hue |
| 1 | 97 | -1% | 0% |
| 2 | 97 | -1% | 1% |
| 3 | 93 | 0% | 3% |
| 4 | 94 | -1% | 1% |
| 5 | 94 | 1% | 3% |
| 6 | 95 | 3% | 0% |
| 7 | 94 | 0% | 0% |
| 8 | 97 | 0% | -2% |
| 9 | 96 | -1% | 2% |
| 10 | 91 | -1% | 6% |
| 11 | 89 | 2% | 8% |
| 12 | 91 | 4% | 4% |
| 13 | 96 | 3% | 0% |
| 14 | 93 | 6% | -2% |
| 15 | 96 | 1% | -1% |
| 16 | 90 | 3% | -8% |

**NOTES:**
- CRI R values, only R1-R8 are used to calculate RA CRI values
- TM30 C values, 16 binned values out of total of 99 C values
- CQS Q values
- Data subject to change, all data has +/- 5% tolerance

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Specification subject to change. Rev-03-10-24

# Q-CAP BOXA-SW

Flexible Fixtures Color Data

## BOXA-SW-DRY-35-5.0-ENC/CL

3571 K

**CRI:** 96.3

**CRI R9:** 91.8

**TM30 Rf:** 91.3

**TM30 Rg:** 98.8

**CQS:** 95.3

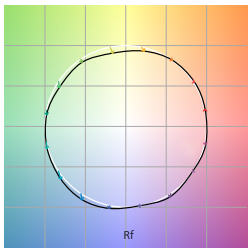
**X:** 0.400

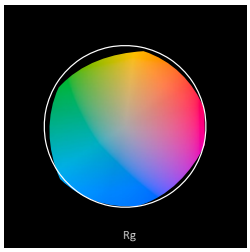
**Y:** 0.385

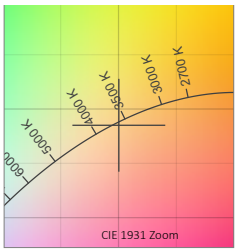
**U:** 0.235

**V:** 0.339

**Δuv:** -0.0014




| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 95.6 | 96.9 | 99.1 | 96.7 | 95.8 | 95.2 | 95.8 | 95.4 | 91.8 | 95.6 | 97.9 | 77.8 | 95.5 | 98.4 | 94.2 |
| **Q1** | **Q2** | **Q3** | **Q4** | **Q5** | **Q6** | **Q7** | **Q8** | **Q9** | **Q10** | **Q11** | **Q12** | **Q13** | **Q14** | **Q15** |
| 90.3 | 96.4 | 94.5 | 92.4 | 93.0 | 94.3 | 99.5 | 99.8 | 98.4 | 98.6 | 99.0 | 98.2 | 98.6 | 97.1 | 94.2 |
| **C1** | **C2** | **C3** | **C4** | **C5** | **C6** | **C7** | **C8** | **C9** | **C10** | **C11** | **C12** | **C13** | **C14** | **C15** | **C16** |
| 93.5 | 95.5 | 94.8 | 90.7 | 89.2 | 94.0 | 89.4 | 92.2 | 88.7 | 86.1 | 89.1 | 92.6 | 94.2 | 92.9 | 90.5 | 90.3 |

| TM30 | | | |
|---|---|---|---|
| Hue Bin | $R_f$ | Chroma | Hue |
| 1 | 94 | 0% | 2% |
| 2 | 96 | 1% | -1% |
| 3 | 95 | 0% | -2% |
| 4 | 91 | -4% | -4% |
| 5 | 89 | -8% | -2% |
| 6 | 94 | -4% | 1% |
| 7 | 89 | -5% | 6% |
| 8 | 92 | -1% | 5% |
| 9 | 89 | 1% | 8% |
| 10 | 86 | 3% | 9% |
| 11 | 89 | 5% | 5% |
| 12 | 93 | 4% | -1% |
| 13 | 94 | 0% | -4% |
| 14 | 93 | 3% | -3% |
| 15 | 90 | 0% | -1% |
| 16 | 90 | 1% | -3% |

## BOXA-SW-DRY-40-5.0-ENC/CL

4164 K

**CRI:** 96.1

**CRI R9:** 90.0

**TM30 Rf:** 91.4

**TM30 Rg:** 99.6

**CQS:** 94.5

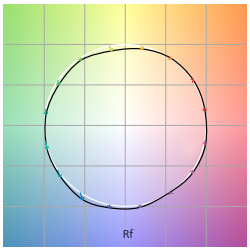
**X:** 0.371

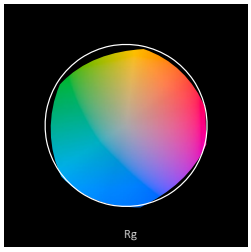
**Y:** 0.363

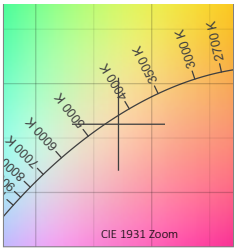
**U:** 0.225

**V:** 0.329

**Δuv:** -0.0040




| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 95.4 | 96.5 | 98.7 | 96.9 | 95.4 | 94.4 | 95.8 | 95.4 | 90.0 | 95.4 | 98.6 | 74.2 | 95.3 | 98.5 | 92.9 |
| **Q1** | **Q2** | **Q3** | **Q4** | **Q5** | **Q6** | **Q7** | **Q8** | **Q9** | **Q10** | **Q11** | **Q12** | **Q13** | **Q14** | **Q15** |
| 91.3 | 97.9 | 90.9 | 88.7 | 91.3 | 94.4 | 98.8 | 98.9 | 98.2 | 99.2 | 98.5 | 99.2 | 99.2 | 96.7 | 94.6 |
| **C1** | **C2** | **C3** | **C4** | **C5** | **C6** | **C7** | **C8** | **C9** | **C10** | **C11** | **C12** | **C13** | **C14** | **C15** | **C16** |
| 93.3 | 95.4 | 95.9 | 92.0 | 90.4 | 95.3 | 92.2 | 90.4 | 87.1 | 86.8 | 87.3 | 93.5 | 93.4 | 94.5 | 89.8 | 89.6 |

| TM30 | | | |
|---|---|---|---|
| Hue Bin | $R_f$ | Chroma | Hue |
| 1 | 93 | 0% | 2% |
| 2 | 95 | 1% | 0% |
| 3 | 96 | 0% | -1% |
| 4 | 92 | -3% | -3% |
| 5 | 90 | -6% | -2% |
| 6 | 95 | -3% | 1% |
| 7 | 92 | -4% | 3% |
| 8 | 90 | -2% | 6% |
| 9 | 87 | 0% | 10% |
| 10 | 87 | 2% | 8% |
| 11 | 87 | 5% | 7% |
| 12 | 93 | 4% | 0% |
| 13 | 93 | 3% | -2% |
| 14 | 94 | -1% | 0% |
| 15 | 90 | 2% | -3% |
| 16 | 90 | 2% | -4% |

**NOTES:**
- CRI R values, only R1-R8 are used to calculate RA CRI values
- TM30 C values, 16 binned values out of total of 99 C values
- CQS Q values
- Data subject to change, all data has +/- 5% tolerance

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Specification subject to change. Rev-03-10-24

# Q-CAP BOXA-SW

Flexible Fixtures Color Data

## BOXA-SW-DRY-24-5.0-ENC/TL

2321 K

**CRI:** 93.6

**CRI R9:** 66.8

**TM30 Rf:** 90.7

**TM30 Rg:** 103.3

**CQS:** 86.1

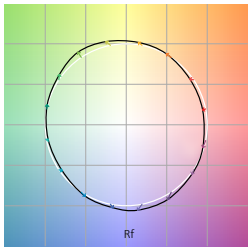
**X:** 0.490

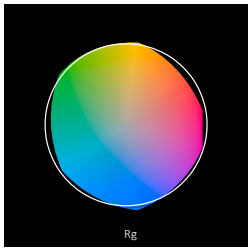
**Y:** 0.410

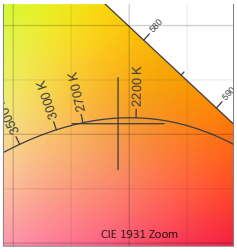
**U:** 0.283

**V:** 0.354

**Δuv:** -0.0017




| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 94.7 | 96.9 | 96.0 | 94.0 | 93.9 | 96.4 | 92.3 | 84.3 | 66.8 | 90.4 | 94.7 | 86.1 | 95.5 | 96.2 | 91.1 |
| **Q1** | **Q2** | **Q3** | **Q4** | **Q5** | **Q6** | **Q7** | **Q8** | **Q9** | **Q10** | **Q11** | **Q12** | **Q13** | **Q14** | **Q15** |
| 84.3 | 91.5 | 84.5 | 85.3 | 88.1 | 85.0 | 80.6 | 84.2 | 93.3 | 88.4 | 87.9 | 87.6 | 88.1 | 86.0 | 85.0 |
| **C1** | **C2** | **C3** | **C4** | **C5** | **C6** | **C7** | **C8** | **C9** | **C10** | **C11** | **C12** | **C13** | **C14** | **C15** | **C16** |
| 92.1 | 91.9 | 84.9 | 90.7 | 92.3 | 90.0 | 89.8 | 92.3 | 95.4 | 92.5 | 89.8 | 89.2 | 90.0 | 85.5 | 92.0 | 87.6 |

| TM30 | | | |
|---|---|---|---|
| Hue Bin | $R_f$ | Chroma | Hue |
| 1 | 92 | -4% | 0% |
| 2 | 92 | -3% | 3% |
| 3 | 85 | 0% | 8% |
| 4 | 91 | 3% | 5% |
| 5 | 92 | 6% | 4% |
| 6 | 90 | 8% | 0% |
| 7 | 90 | 3% | -6% |
| 8 | 92 | 0% | -5% |
| 9 | 95 | -2% | -1% |
| 10 | 92 | -3% | 3% |
| 11 | 90 | 1% | 7% |
| 12 | 89 | 4% | 4% |
| 13 | 90 | 6% | -7% |
| 14 | 86 | 5% | -9% |
| 15 | 92 | 1% | -6% |
| 16 | 88 | -2% | -9% |

## BOXA-SW-DRY-27-5.0-ENC/TL

2709 K

**CRI:** 97.8

**CRI R9:** 96.3

**TM30 Rf:** 95.7

**TM30 Rg:** 101.7

**CQS:** 95.3

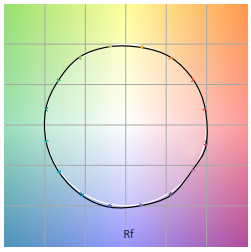
**X:** 0.458

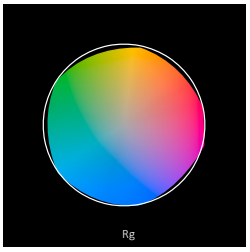
**Y:** 0.407

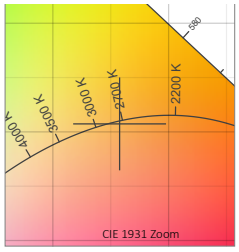
**U:** 0.263

**V:** 0.351

**Δuv:** -0.0010




| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 97.3 | 99.2 | 95.9 | 97.2 | 97.8 | 97.6 | 99.7 | 97.7 | 96.3 | 99.4 | 94.9 | 88.2 | 97.6 | 96.5 | 97.5 |
| **Q1** | **Q2** | **Q3** | **Q4** | **Q5** | **Q6** | **Q7** | **Q8** | **Q9** | **Q10** | **Q11** | **Q12** | **Q13** | **Q14** | **Q15** |
| 94.6 | 96.5 | 92.6 | 93.6 | 96.3 | 96.1 | 93.8 | 96.3 | 96.3 | 96.4 | 97.3 | 97.1 | 96.8 | 95.8 | 95.6 |
| **C1** | **C2** | **C3** | **C4** | **C5** | **C6** | **C7** | **C8** | **C9** | **C10** | **C11** | **C12** | **C13** | **C14** | **C15** | **C16** |
| 97.3 | 98.1 | 97.2 | 95.6 | 95.9 | 96.4 | 95.8 | 98.3 | 96.5 | 94.2 | 93.2 | 93.8 | 96.5 | 95.1 | 95.5 | 92.5 |

| TM30 | | | |
|---|---|---|---|
| Hue Bin | $R_f$ | Chroma | Hue |
| 1 | 97 | 0% | 0% |
| 2 | 98 | 0% | 0% |
| 3 | 97 | 0% | 0% |
| 4 | 96 | -2% | -1% |
| 5 | 96 | -1% | 1% |
| 6 | 96 | 2% | 1% |
| 7 | 96 | 0% | 2% |
| 8 | 98 | 1% | 0% |
| 9 | 96 | 1% | 2% |
| 10 | 94 | 1% | 4% |
| 11 | 93 | 3% | 5% |
| 12 | 94 | 4% | 0% |
| 13 | 97 | 1% | -2% |
| 14 | 95 | 3% | -2% |
| 15 | 95 | 0% | 0% |
| 16 | 92 | 2% | -6% |

## BOXA-SW-DRY-30-5.0-ENC/TL

2978 K

**CRI:** 97.2

**CRI R9:** 93.4

**TM30 Rf:** 93.9

**TM30 Rg:** 101.7

**CQS:** 93.3

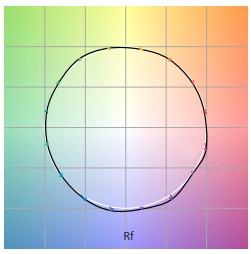
**X:** 0.437

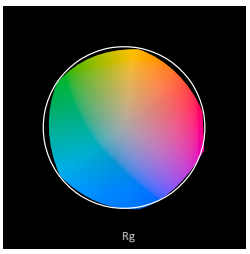
**Y:** 0.401

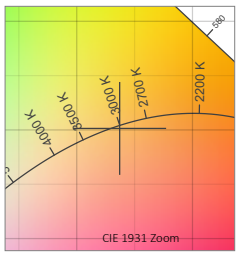
**U:** 0.252

**V:** 0.347

**Δuv:** -0.0011




| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 98.8 | 97.8 | 93.8 | 97.7 | 97.5 | 95.7 | 98.5 | 97.9 | 93.4 | 92.5 | 96.7 | 80.5 | 98.7 | 95.5 | 98.6 |
| **Q1** | **Q2** | **Q3** | **Q4** | **Q5** | **Q6** | **Q7** | **Q8** | **Q9** | **Q10** | **Q11** | **Q12** | **Q13** | **Q14** | **Q15** |
| 96.2 | 97.7 | 87.9 | 88.9 | 93.4 | 93.9 | 90.9 | 94.5 | 95.7 | 93.9 | 94.5 | 95.8 | 96.9 | 96.5 | 96.5 |
| **C1** | **C2** | **C3** | **C4** | **C5** | **C6** | **C7** | **C8** | **C9** | **C10** | **C11** | **C12** | **C13** | **C14** | **C15** | **C16** |
| 96.7 | 97.2 | 93.8 | 94.1 | 94.3 | 95.6 | 94.3 | 97.8 | 95.8 | 90.3 | 88.2 | 90.6 | 95.9 | 92.9 | 95.7 | 89.7 |

| TM30 | | | |
|---|---|---|---|
| Hue Bin | $R_f$ | Chroma | Hue |
| 1 | 97 | -1% | 0% |
| 2 | 97 | -1% | 1% |
| 3 | 94 | 0% | 3% |
| 4 | 94 | -2% | 1% |
| 5 | 94 | 0% | 3% |
| 6 | 96 | 3% | 0% |
| 7 | 94 | 0% | 0% |
| 8 | 98 | 0% | -1% |
| 9 | 96 | -1% | 2% |
| 10 | 90 | -1% | 6% |
| 11 | 88 | 2% | 9% |
| 12 | 91 | 4% | 4% |
| 13 | 96 | 3% | 0% |
| 14 | 93 | 5% | -2% |
| 15 | 96 | 0% | -1% |
| 16 | 90 | 3% | -8% |

**NOTES:**
- CRI R values, only R1-R8 are used to calculate RA CRI values
- TM30 C values, 16 binned values out of total of 99 C values
- CQS Q values
- Data subject to change, all data has +/- 5% tolerance

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Specification subject to change. Rev-03-10-24

# Q-CAP BOXA-SW

Flexible Fixtures Color Data

## BOXA-SW-DRY-35-5.0-ENC/TL

3535 K

**CRI:** 96.6

**CRI R9:** 92.6

**TM30 Rf:** 92.0

**TM30 Rg:** 99.4

**CQS:** 95.6

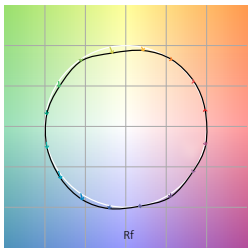
**X:** 0.401

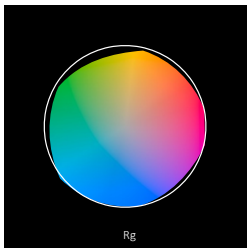
**Y:** 0.383

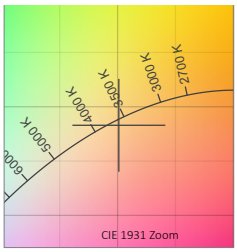
**U:** 0.236

**V:** 0.338

**Δuv:** -0.0025




| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 95.8 | 96.8 | 99.0 | 97.5 | 96.0 | 95.0 | 96.4 | 96.1 | 92.6 | 95.7 | 97.8 | 78.4 | 95.7 | 98.4 | 94.4 |
| **Q1** | **Q2** | **Q3** | **Q4** | **Q5** | **Q6** | **Q7** | **Q8** | **Q9** | **Q10** | **Q11** | **Q12** | **Q13** | **Q14** | **Q15** |
| 91.5 | 97.4 | 93.5 | 91.9 | 93.3 | 95.4 | 99.3 | 99.2 | 98.9 | 99.8 | 99.9 | 99.4 | 99.5 | 96.9 | 94.7 |
| **C1** | **C2** | **C3** | **C4** | **C5** | **C6** | **C7** | **C8** | **C9** | **C10** | **C11** | **C12** | **C13** | **C14** | **C15** | **C16** |
| 93.9 | 96.0 | 95.7 | 91.6 | 90.6 | 96.1 | 90.1 | 93.2 | 89.6 | 86.9 | 89.0 | 92.6 | 94.7 | 93.0 | 90.9 | 90.6 |

| TM30 | | | |
|---|---|---|---|
| Hue Bin | $R_f$ | Chroma | Hue |
| 1 | 94 | 0% | 1% |
| 2 | 96 | 1% | -1% |
| 3 | 96 | 0% | -1% |
| 4 | 92 | -4% | -3% |
| 5 | 91 | -8% | -1% |
| 6 | 96 | -2% | 1% |
| 7 | 90 | -4% | 5% |
| 8 | 93 | -1% | 5% |
| 9 | 90 | 1% | 7% |
| 10 | 87 | 3% | 9% |
| 11 | 89 | 5% | 6% |
| 12 | 93 | 4% | -1% |
| 13 | 95 | 0% | -4% |
| 14 | 93 | 3% | -3% |
| 15 | 91 | 0% | -1% |
| 16 | 91 | 1% | -3% |

## BOXA-SW-DRY-40-5.0-ENC/TL

3906 K

**CRI:** 96.4

**CRI R9:** 90.3

**TM30 Rf:** 91.9

**TM30 Rg:** 99.9

**CQS:** 95.1

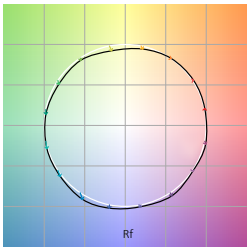
**X:** 0.382

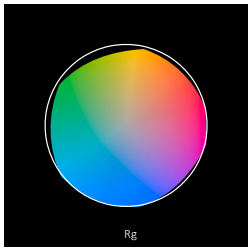
**Y:** 0.370

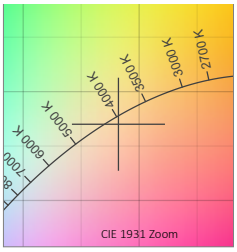
**U:** 0.229

**V:** 0.333

**Δuv:** -0.0037




| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 95.5 | 96.7 | 98.4 | 97.6 | 95.8 | 94.8 | 96.5 | 95.6 | 90.3 | 95.9 | 98.3 | 76.4 | 95.5 | 98.2 | 93.4 |
| **Q1** | **Q2** | **Q3** | **Q4** | **Q5** | **Q6** | **Q7** | **Q8** | **Q9** | **Q10** | **Q11** | **Q12** | **Q13** | **Q14** | **Q15** |
| 92.0 | 98.2 | 91.6 | 89.9 | 92.4 | 95.4 | 98.6 | 99.0 | 98.2 | 99.1 | 98.7 | 99.5 | 99.5 | 96.8 | 94.9 |
| **C1** | **C2** | **C3** | **C4** | **C5** | **C6** | **C7** | **C8** | **C9** | **C10** | **C11** | **C12** | **C13** | **C14** | **C15** | **C16** |
| 93.7 | 95.7 | 96.0 | 92.3 | 90.7 | 95.5 | 92.6 | 90.9 | 87.8 | 87.6 | 87.8 | 92.4 | 93.7 | 95.2 | 90.9 | 90.2 |

| TM30 | | | |
|---|---|---|---|
| Hue Bin | $R_f$ | Chroma | Hue |
| 1 | 94 | 0% | 1% |
| 2 | 96 | 1% | 0% |
| 3 | 96 | 0% | -1% |
| 4 | 92 | -3% | -3% |
| 5 | 91 | -6% | -1% |
| 6 | 95 | -3% | 1% |
| 7 | 93 | -4% | 4% |
| 8 | 91 | -1% | 6% |
| 9 | 88 | 0% | 9% |
| 10 | 88 | 2% | 8% |
| 11 | 88 | 5% | 7% |
| 12 | 92 | 4% | 1% |
| 13 | 94 | 2% | -3% |
| 14 | 95 | 4% | -1% |
| 15 | 91 | 1% | -1% |
| 16 | 90 | 2% | -3% |

**NOTES:**
- CRI R values, only R1-R8 are used to calculate RA CRI values
- TM30 C values, 16 binned values out of total of 99 C values
- CQS Q values
- Data subject to change, all data has +/- 5% tolerance

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Specification subject to change. Rev-03-10-24

# Q-CAP BOXA-SW-HE

Flexible Fixtures Color Data

## BOXA-SW-DRY-24-1.5HE-ENC/CL

2392 K

**CRI:** 92.7

**CRI R9:** 65.4

**TM30 Rf:** 90.8

**TM30 Rg:** 102.3

**CQS:** 87.2

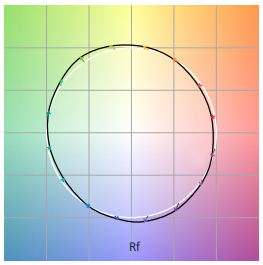
**X:** 0.487

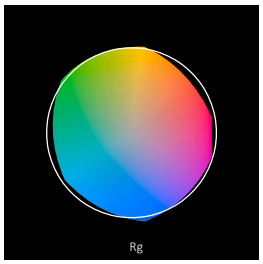
**Y:** 0.415

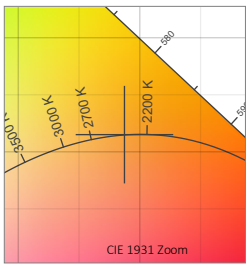
**U:** 0.278

**V:** 0.355

**Δuv:** 0.0002




| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 93.7 | 95.2 | 93.9 | 93.9 | 92.4 | 94.2 | 93.5 | 84.6 | 65.4 | 86.6 | 94.5 | 81.0 | 94.0 | 95.1 | 90.0 |
| **Q1** | **Q2** | **Q3** | **Q4** | **Q5** | **Q6** | **Q7** | **Q8** | **Q9** | **Q10** | **Q11** | **Q12** | **Q13** | **Q14** | **Q15** |
| 85.1 | 92.9 | 85.1 | 86.4 | 87.6 | 84.5 | 82.9 | 87.4 | 93.9 | 89.6 | 90.1 | 90.6 | 90.9 | 85.9 | 85.2 |
| **C1** | **C2** | **C3** | **C4** | **C5** | **C6** | **C7** | **C8** | **C9** | **C10** | **C11** | **C12** | **C13** | **C14** | **C15** | **C16** |
| 91.9 | 92.1 | 85.9 | 90.7 | 92.3 | 90.6 | 89.8 | 92.5 | 94.2 | 92.2 | 89.8 | 88.6 | 91.2 | 86.7 | 91.9 | 88.2 |

| TM30 | | | |
|---|---|---|---|
| Hue Bin | $R_f$ | Chroma | Hue |
| 1 | 92 | -4% | -1% |
| 2 | 92 | -4% | 3% |
| 3 | 86 | -1% | 7% |
| 4 | 91 | 2% | 5% |
| 5 | 92 | 5% | 5% |
| 6 | 91 | 7% | 0% |
| 7 | 90 | 3% | -6% |
| 8 | 93 | 0% | -5% |
| 9 | 94 | -2% | -2% |
| 10 | 92 | -4% | 3% |
| 11 | 90 | 0% | 7% |
| 12 | 89 | 3% | 4% |
| 13 | 91 | 6% | -5% |
| 14 | 87 | 5% | -8% |
| 15 | 92 | 2% | -5% |
| 16 | 88 | -2% | -9% |

## BOXA-SW-DRY-24-3.0HE-ENC/CL

2405 K

**CRI:** 92.8

**CRI R9:** 66.1

**TM30 Rf:** 90.6

**TM30 Rg:** 102.6

**CQS:** 87.2

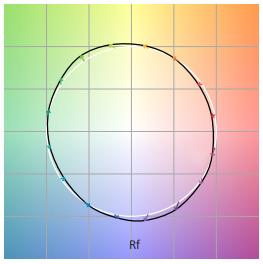
**X:** 0.485

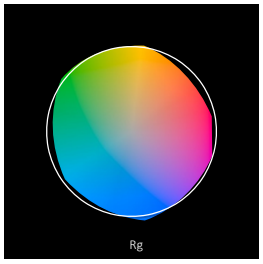
**Y:** 0.414

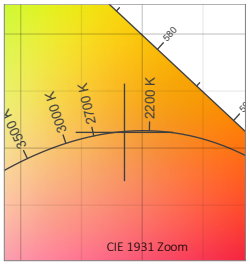
**U:** 0.278

**V:** 0.355

**Δuv:** -0.0003




| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 93.8 | 95.3 | 93.9 | 93.9 | 92.6 | 94.3 | 93.5 | 84.9 | 66.1 | 86.9 | 94.4 | 80.9 | 94.2 | 95.1 | 90.2 |
| **Q1** | **Q2** | **Q3** | **Q4** | **Q5** | **Q6** | **Q7** | **Q8** | **Q9** | **Q10** | **Q11** | **Q12** | **Q13** | **Q14** | **Q15** |
| 85.4 | 93.1 | 84.7 | 86.1 | 87.8 | 84.5 | 82.3 | 87.0 | 94.1 | 89.4 | 89.9 | 90.3 | 90.8 | 86.4 | 85.6 |
| **C1** | **C2** | **C3** | **C4** | **C5** | **C6** | **C7** | **C8** | **C9** | **C10** | **C11** | **C12** | **C13** | **C14** | **C15** | **C16** |
| 91.9 | 92.2 | 85.5 | 90.5 | 92.3 | 90.4 | 89.8 | 92.5 | 94.4 | 91.8 | 89.0 | 88.2 | 91.0 | 86.2 | 91.9 | 87.4 |

| TM30 | | | |
|---|---|---|---|
| Hue Bin | $R_f$ | Chroma | Hue |
| 1 | 92 | -4% | -1% |
| 2 | 92 | -4% | 3% |
| 3 | 86 | 0% | 7% |
| 4 | 90 | 2% | 5% |
| 5 | 92 | 5% | 5% |
| 6 | 90 | 7% | 0% |
| 7 | 90 | 3% | -5% |
| 8 | 93 | 0% | -5% |
| 9 | 94 | -2% | -2% |
| 10 | 92 | -4% | 3% |
| 11 | 89 | 0% | 8% |
| 12 | 88 | 3% | 4% |
| 13 | 91 | 6% | -5% |
| 14 | 86 | 5% | -8% |
| 15 | 92 | 2% | -6% |
| 16 | 87 | -1% | -9% |

## BOXA-SW-DRY-24-6.0HE-ENC/CL

2406 K

**CRI:** 92.6

**CRI R9:** 65.5

**TM30 Rf:** 90.6

**TM30 Rg:** 102.4

**CQS:** 87.3

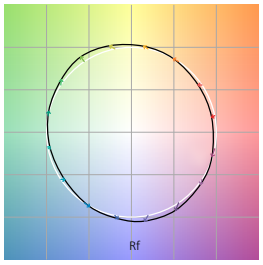
**X:** 0.486

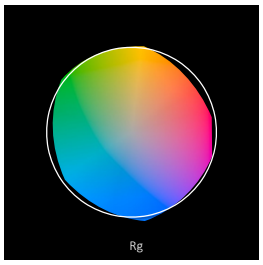
**Y:** 0.415

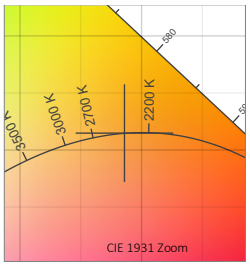
**U:** 0.277

**V:** 0.355

**Δuv:** 0.0002




| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 93.7 | 95.1 | 93.8 | 93.8 | 92.3 | 94.0 | 93.5 | 84.7 | 65.5 | 86.4 | 94.4 | 80.7 | 94.0 | 95.1 | 90.0 |
| **Q1** | **Q2** | **Q3** | **Q4** | **Q5** | **Q6** | **Q7** | **Q8** | **Q9** | **Q10** | **Q11** | **Q12** | **Q13** | **Q14** | **Q15** |
| 85.3 | 93.1 | 85.0 | 86.3 | 87.7 | 84.5 | 82.9 | 87.5 | 94.0 | 89.6 | 90.1 | 90.7 | 91.0 | 86.1 | 85.4 |
| **C1** | **C2** | **C3** | **C4** | **C5** | **C6** | **C7** | **C8** | **C9** | **C10** | **C11** | **C12** | **C13** | **C14** | **C15** | **C16** |
| 91.8 | 92.2 | 85.8 | 90.5 | 92.3 | 90.6 | 89.9 | 92.6 | 94.2 | 91.9 | 89.4 | 88.3 | 91.2 | 86.4 | 91.8 | 87.6 |

| TM30 | | | |
|---|---|---|---|
| Hue Bin | $R_f$ | Chroma | Hue |
| 1 | 92 | -4% | -1% |
| 2 | 92 | -4% | 3% |
| 3 | 86 | -1% | 7% |
| 4 | 91 | 2% | 5% |
| 5 | 92 | 5% | 5% |
| 6 | 91 | 7% | 0% |
| 7 | 90 | 3% | -5% |
| 8 | 93 | 0% | -5% |
| 9 | 94 | -2% | -2% |
| 10 | 92 | -4% | 3% |
| 11 | 89 | 0% | 8% |
| 12 | 88 | 3% | 4% |
| 13 | 91 | 6% | -5% |
| 14 | 86 | 5% | -8% |
| 15 | 92 | 2% | -6% |
| 16 | 88 | -1% | -9% |

**NOTES:**
- CRI R values, only R1-R8 are used to calculate RA CRI values
- TM30 C values, 16 binned values out of total of 99 C values
- CQS Q values
- Data subject to change, all data has +/- 5% tolerance

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Specification subject to change. Rev-03-10-24

# Q-CAP BOXA-SW-HE

Flexible Fixtures Color Data

## BOXA-SW-DRY-27-1.5HE-ENC/CL

2762 K

**CRI:** 95.0

**CRI R9:** 90.7

**TM30 Rf:** 94.5

**TM30 Rg:** 103.2

**CQS:** 94.9

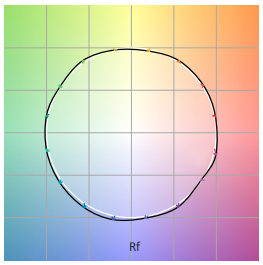
**X:** 0.447

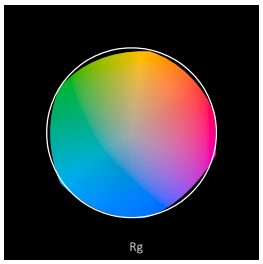
**Y:** 0.394

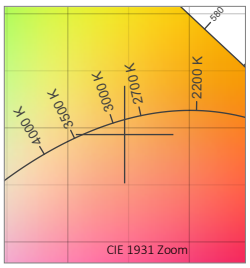
**U:** 0.261

**V:** 0.346

**Δuv:** -0.0051




| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 93.0 | 95.0 | 98.4 | 94.4 | 93.0 | 91.3 | 98.0 | 96.5 | 90.7 | 91.6 | 90.7 | 83.7 | 92.7 | 97.9 | 93.5 |
| **Q1** | **Q2** | **Q3** | **Q4** | **Q5** | **Q6** | **Q7** | **Q8** | **Q9** | **Q10** | **Q11** | **Q12** | **Q13** | **Q14** | **Q15** |
| 94.5 | 96.2 | 93.3 | 94.7 | 97.3 | 95.2 | 92.4 | 95.0 | 97.4 | 96.8 | 97.1 | 97.4 | 97.2 | 93.0 | 94.2 |
| **C1** | **C2** | **C3** | **C4** | **C5** | **C6** | **C7** | **C8** | **C9** | **C10** | **C11** | **C12** | **C13** | **C14** | **C15** | **C16** |
| 95.9 | 96.5 | 95.1 | 94.5 | 95.4 | 95.4 | 92.5 | 96.6 | 94.7 | 94.0 | 93.2 | 92.2 | 94.3 | 93.8 | 94.3 | 91.4 |

| TM30 | | | |
|---|---|---|---|
| Hue Bin | $R_f$ | Chroma | Hue |
| 1 | 96 | 1% | 1% |
| 2 | 96 | 2% | 0% |
| 3 | 95 | 2% | 0% |
| 4 | 95 | -2% | -2% |
| 5 | 95 | -1% | 1% |
| 6 | 95 | 2% | 1% |
| 7 | 92 | 0% | 3% |
| 8 | 97 | 2% | 0% |
| 9 | 95 | 2% | 2% |
| 10 | 94 | 3% | 3% |
| 11 | 93 | 4% | 3% |
| 12 | 92 | 5% | -2% |
| 13 | 94 | 2% | -4% |
| 14 | 94 | 3% | -3% |
| 15 | 94 | -1% | 1% |
| 16 | 91 | 3% | -6% |

## BOXA-SW-DRY-27-3.0HE-ENC/CL

2747 K

**CRI:** 95.8

**CRI R9:** 94.5

**TM30 Rf:** 94.3

**TM30 Rg:** 102.3

**CQS:** 95.1

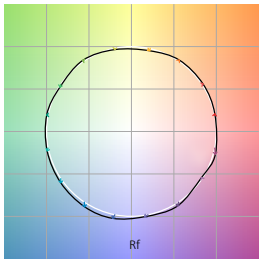
**X:** 0.450

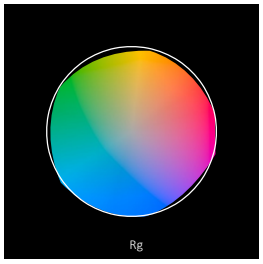
**Y:** 0.398

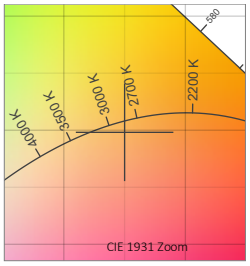
**U:** 0.262

**V:** 0.347

**Δuv:** -0.0038




| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 94.2 | 95.8 | 98.5 | 95.4 | 94.2 | 92.3 | 97.8 | 97.8 | 94.5 | 93.2 | 91.8 | 84.4 | 93.9 | 97.9 | 95.0 |
| **Q1** | **Q2** | **Q3** | **Q4** | **Q5** | **Q6** | **Q7** | **Q8** | **Q9** | **Q10** | **Q11** | **Q12** | **Q13** | **Q14** | **Q15** |
| 93.5 | 95.8 | 93.4 | 94.4 | 96.6 | 96.4 | 93.6 | 95.5 | 97.4 | 97.2 | 97.4 | 97.6 | 97.5 | 93.5 | 94.0 |
| **C1** | **C2** | **C3** | **C4** | **C5** | **C6** | **C7** | **C8** | **C9** | **C10** | **C11** | **C12** | **C13** | **C14** | **C15** | **C16** |
| 95.9 | 96.9 | 95.5 | 93.7 | 95.5 | 96.2 | 92.3 | 97.0 | 94.2 | 93.2 | 92.6 | 91.9 | 93.9 | 93.3 | 93.8 | 90.9 |

| TM30 | | | |
|---|---|---|---|
| Hue Bin | $R_f$ | Chroma | Hue |
| 1 | 96 | 0% | 1% |
| 2 | 97 | 1% | 0% |
| 3 | 95 | 1% | 0% |
| 4 | 94 | -3% | -3% |
| 5 | 96 | -2% | 0% |
| 6 | 96 | 1% | 1% |
| 7 | 92 | -1% | 3% |
| 8 | 97 | 2% | 0% |
| 9 | 94 | 2% | 3% |
| 10 | 93 | 3% | 4% |
| 11 | 93 | 4% | 4% |
| 12 | 92 | 5% | -2% |
| 13 | 94 | 1% | -4% |
| 14 | 93 | 3% | -4% |
| 15 | 94 | -1% | 1% |
| 16 | 91 | 2% | -7% |

## BOXA-SW-DRY-27-6.0HE-ENC/CL

2725 K

**CRI:** 96.2

**CRI R9:** 97.4

**TM30 Rf:** 94.2

**TM30 Rg:** 101.9

**CQS:** 95.1

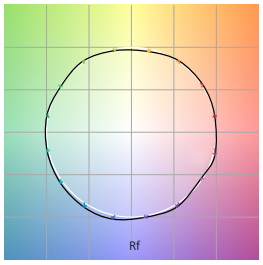
**X:** 0.453

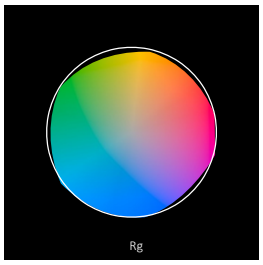
**Y:** 0.400

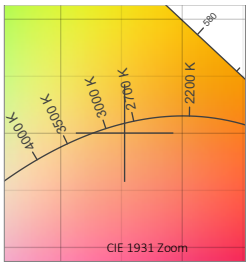
**U:** 0.262

**V:** 0.348

**Δuv:** -0.0033




| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 95.0 | 96.2 | 98.8 | 96.1 | 94.9 | 92.7 | 97.4 | 98.6 | 97.4 | 93.9 | 92.5 | 84.8 | 94.7 | 98.1 | 96.2 |
| **Q1** | **Q2** | **Q3** | **Q4** | **Q5** | **Q6** | **Q7** | **Q8** | **Q9** | **Q10** | **Q11** | **Q12** | **Q13** | **Q14** | **Q15** |
| 93.1 | 95.5 | 93.7 | 94.4 | 96.3 | 96.8 | 94.0 | 95.5 | 97.4 | 97.3 | 97.4 | 97.6 | 97.3 | 93.6 | 94.1 |
| **C1** | **C2** | **C3** | **C4** | **C5** | **C6** | **C7** | **C8** | **C9** | **C10** | **C11** | **C12** | **C13** | **C14** | **C15** | **C16** |
| 95.9 | 97.1 | 95.7 | 93.5 | 95.6 | 96.0 | 94.6 | 97.0 | 94.0 | 93.0 | 92.6 | 91.7 | 93.5 | 92.9 | 93.6 | 90.7 |

| TM30 | | | |
|---|---|---|---|
| Hue Bin | $R_f$ | Chroma | Hue |
| 1 | 96 | 0% | 1% |
| 2 | 97 | 1% | 0% |
| 3 | 96 | 1% | 0% |
| 4 | 94 | -3% | -3% |
| 5 | 96 | -2% | 0% |
| 6 | 96 | 1% | 1% |
| 7 | 95 | -1% | 3% |
| 8 | 97 | 1% | 1% |
| 9 | 94 | 2% | 3% |
| 10 | 93 | 3% | 4% |
| 11 | 93 | 4% | 4% |
| 12 | 92 | 5% | -2% |
| 13 | 94 | 1% | -5% |
| 14 | 93 | 3% | -5% |
| 15 | 94 | -2% | 0% |
| 16 | 91 | 2% | -7% |

**NOTES:**
- CRI R values, only R1-R8 are used to calculate RA CRI values
- TM30 C values, 16 binned values out of total of 99 C values
- CQS Q values
- Data subject to change, all data has +/- 5% tolerance

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Specification subject to change. Rev-03-10-24

# Q-CAP BOXA-SW-HE

Flexible Fixtures Color Data

## BOXA-SW-DRY-30-1.5HE-ENC/CL

2977 K

**CRI:** 96.1

**CRI R9:** 91.4

**TM30 Rf:** 93.3

**TM30 Rg:** 102.9

**CQS:** 92.5

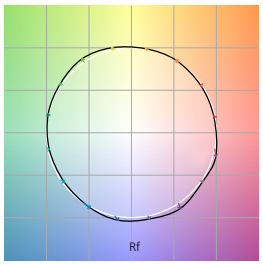
**X:** 0.437

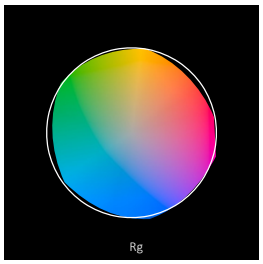
**Y:** 0.401

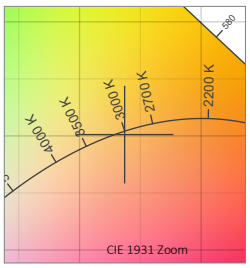
**U:** 0.252

**V:** 0.347

**Δuv:** -0.0012




| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 98.2 | 96.7 | 92.3 | 96.3 | 96.8 | 94.4 | 97.1 | 97.0 | 91.4 | 90.0 | 95.6 | 80.4 | 97.8 | 94.7 | 98.0 |
| **Q1** | **Q2** | **Q3** | **Q4** | **Q5** | **Q6** | **Q7** | **Q8** | **Q9** | **Q10** | **Q11** | **Q12** | **Q13** | **Q14** | **Q15** |
| 95.5 | 97.5 | 86.7 | 89.1 | 93.1 | 91.1 | 88.9 | 93.8 | 95.3 | 92.7 | 93.6 | 95.1 | 96.5 | 96.0 | 95.6 |
| **C1** | **C2** | **C3** | **C4** | **C5** | **C6** | **C7** | **C8** | **C9** | **C10** | **C11** | **C12** | **C13** | **C14** | **C15** | **C16** |
| 96.5 | 96.9 | 91.9 | 93.1 | 93.7 | 92.9 | 95.2 | 95.4 | 96.5 | 92.1 | 88.3 | 89.5 | 94.8 | 92.3 | 95.0 | 89.8 |

| TM30 | | | |
|---|---|---|---|
| Hue Bin | $R_f$ | Chroma | Hue |
| 1 | 96 | -1% | -1% |
| 2 | 97 | -1% | 1% |
| 3 | 92 | 0% | 4% |
| 4 | 93 | 0% | 3% |
| 5 | 94 | 3% | 4% |
| 6 | 93 | 5% | 0% |
| 7 | 95 | 2% | -2% |
| 8 | 95 | 0% | -3% |
| 9 | 96 | -1% | 0% |
| 10 | 92 | -2% | 5% |
| 11 | 88 | 0% | 9% |
| 12 | 90 | 4% | 5% |
| 13 | 95 | 4% | 1% |
| 14 | 92 | 6% | -2% |
| 15 | 95 | 2% | -2% |
| 16 | 90 | 3% | -8% |

## BOXA-SW-DRY-30-3.0HE-ENC/CL

2984 K

**CRI:** 96.2

**CRI R9:** 91.5

**TM30 Rf:** 93.2

**TM30 Rg:** 102.3

**CQS:** 92.8

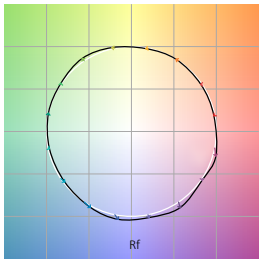
**X:** 0.438

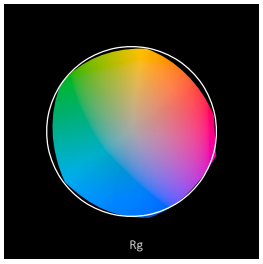
**Y:** 0.403

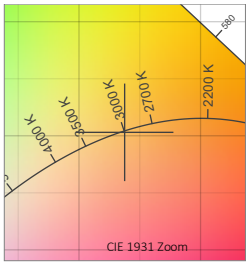
**U:** 0.251

**V:** 0.347

**Δuv:** -0.0005




| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 98.0 | 96.5 | 92.6 | 96.8 | 96.5 | 94.2 | 97.6 | 97.3 | 91.5 | 89.9 | 95.9 | 77.9 | 97.5 | 94.9 | 97.7 |
| **Q1** | **Q2** | **Q3** | **Q4** | **Q5** | **Q6** | **Q7** | **Q8** | **Q9** | **Q10** | **Q11** | **Q12** | **Q13** | **Q14** | **Q15** |
| 96.2 | 97.6 | 86.6 | 88.6 | 93.1 | 92.0 | 89.7 | 94.2 | 95.4 | 93.3 | 94.1 | 95.6 | 96.8 | 96.1 | 96.0 |
| **C1** | **C2** | **C3** | **C4** | **C5** | **C6** | **C7** | **C8** | **C9** | **C10** | **C11** | **C12** | **C13** | **C14** | **C15** | **C16** |
| 96.3 | 96.9 | 92.6 | 93.3 | 93.9 | 94.2 | 94.5 | 96.8 | 96.1 | 90.6 | 87.3 | 89.2 | 95.1 | 91.9 | 95.3 | 88.6 |

| TM30 | | | |
|---|---|---|---|
| Hue Bin | $R_f$ | Chroma | Hue |
| 1 | 96 | -1% | -1% |
| 2 | 97 | -1% | 1% |
| 3 | 93 | 0% | 4% |
| 4 | 93 | -1% | 2% |
| 5 | 94 | 1% | 3% |
| 6 | 94 | 4% | 0% |
| 7 | 95 | 1% | -1% |
| 8 | 97 | 0% | -2% |
| 9 | 96 | -1% | 1% |
| 10 | 91 | -2% | 6% |
| 11 | 87 | 1% | 10% |
| 12 | 89 | 5% | 5% |
| 13 | 95 | 3% | 1% |
| 14 | 92 | 6% | -2% |
| 15 | 95 | 1% | -2% |
| 16 | 89 | 3% | -9% |

## BOXA-SW-DRY-30-6.0HE-ENC/CL

2974 K

**CRI:** 96.4

**CRI R9:** 91.8

**TM30 Rf:** 93.2

**TM30 Rg:** 102.3

**CQS:** 92.8

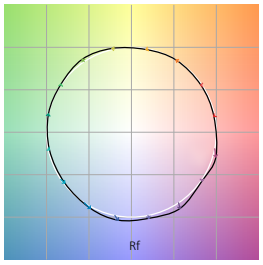
**X:** 0.438

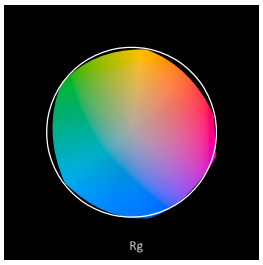
**Y:** 0.403

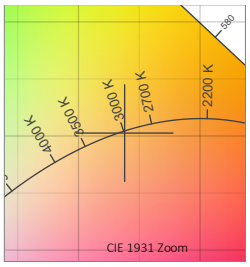
**U:** 0.252

**V:** 0.347

**Δuv:** -0.0008




| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 98.2 | 96.8 | 92.7 | 96.9 | 96.8 | 94.5 | 97.7 | 97.4 | 91.8 | 90.4 | 96.0 | 78.2 | 97.9 | 94.9 | 97.9 |
| **Q1** | **Q2** | **Q3** | **Q4** | **Q5** | **Q6** | **Q7** | **Q8** | **Q9** | **Q10** | **Q11** | **Q12** | **Q13** | **Q14** | **Q15** |
| 96.2 | 97.7 | 86.7 | 88.4 | 93.2 | 92.3 | 89.7 | 94.1 | 95.4 | 93.3 | 94.1 | 95.6 | 96.9 | 96.2 | 96.1 |
| **C1** | **C2** | **C3** | **C4** | **C5** | **C6** | **C7** | **C8** | **C9** | **C10** | **C11** | **C12** | **C13** | **C14** | **C15** | **C16** |
| 96.3 | 96.9 | 92.7 | 93.3 | 93.8 | 94.3 | 94.3 | 96.9 | 96.0 | 90.3 | 87.2 | 89.3 | 95.2 | 91.9 | 95.3 | 88.5 |

| TM30 | | | |
|---|---|---|---|
| Hue Bin | $R_f$ | Chroma | Hue |
| 1 | 96 | -1% | -1% |
| 2 | 97 | -1% | 1% |
| 3 | 93 | 0% | 3% |
| 4 | 93 | -1% | 2% |
| 5 | 94 | 1% | 3% |
| 6 | 94 | 4% | 0% |
| 7 | 94 | 0% | -1% |
| 8 | 97 | 0% | -2% |
| 9 | 96 | -1% | 1% |
| 10 | 90 | -1% | 6% |
| 11 | 87 | 1% | 10% |
| 12 | 89 | 5% | 5% |
| 13 | 95 | 3% | 0% |
| 14 | 92 | 6% | -2% |
| 15 | 95 | 1% | -2% |
| 16 | 88 | 3% | -9% |

**NOTES:**
- CRI R values, only R1-R8 are used to calculate RA CRI values
- TM30 C values, 16 binned values out of total of 99 C values
- CQS Q values
- Data subject to change, all data has +/- 5% tolerance

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Specification subject to change. Rev-03-10-24

# Q-CAP BOXA-SW-HE

Flexible Fixtures Color Data

## BOXA-SW-DRY-35-1.5HE-ENC/CL

3573 K

**CRI:** 97.9

**CRI R9:** 98.7

**TM30 Rf:** 92.8

**TM30 Rg:** 99.3

**CQS:** 95.9

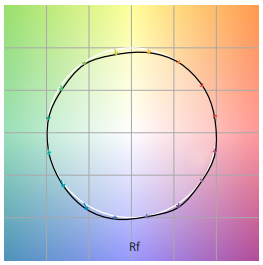
**X:** 0.402

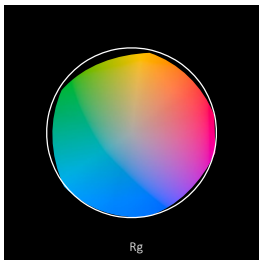
**Y:** 0.390

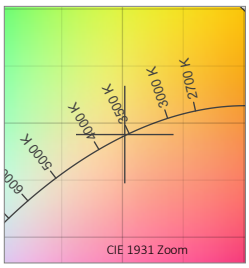
**U:** 0.234

**V:** 0.340

**Δuv:** 0.0004




| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 98.2 | 99.7 | 96.7 | 98.5 | 97.7 | 97.3 | 97.7 | 97.5 | 98.7 | 98.3 | 98.5 | 77.1 | 98.5 | 97.3 | 96.8 |
| **Q1** | **Q2** | **Q3** | **Q4** | **Q5** | **Q6** | **Q7** | **Q8** | **Q9** | **Q10** | **Q11** | **Q12** | **Q13** | **Q14** | **Q15** |
| 92.4 | 97.9 | 92.7 | 91.9 | 94.2 | 96.7 | 98.7 | 99.5 | 98.3 | 98.6 | 99.5 | 98.7 | 98.6 | 98.2 | 96.1 |
| **C1** | **C2** | **C3** | **C4** | **C5** | **C6** | **C7** | **C8** | **C9** | **C10** | **C11** | **C12** | **C13** | **C14** | **C15** | **C16** |
| 95.0 | 97.1 | 96.5 | 93.1 | 91.5 | 95.9 | 92.3 | 94.5 | 91.2 | 87.7 | 88.8 | 92.9 | 95.7 | 93.2 | 91.3 | 91.1 |

| TM30 | | | |
|---|---|---|---|
| Hue Bin | $R_f$ | Chroma | Hue |
| 1 | 95 | 0% | 1% |
| 2 | 97 | 0% | -1% |
| 3 | 96 | 0% | -1% |
| 4 | 93 | -4% | -2% |
| 5 | 91 | -6% | -1% |
| 6 | 96 | -2% | 1% |
| 7 | 92 | -4% | 4% |
| 8 | 94 | -1% | 3% |
| 9 | 91 | 0% | 6% |
| 10 | 88 | 1% | 9% |
| 11 | 89 | 4% | 7% |
| 12 | 93 | 4% | 1% |
| 13 | 96 | 0% | -3% |
| 14 | 93 | 4% | -3% |
| 15 | 91 | 0% | -2% |
| 16 | 91 | 1% | -4% |

## BOXA-SW-DRY-35-3.0HE-ENC/CL

3562 K

**CRI:** 97.9

**CRI R9:** 98.1

**TM30 Rf:** 92.6

**TM30 Rg:** 99.2

**CQS:** 95.8

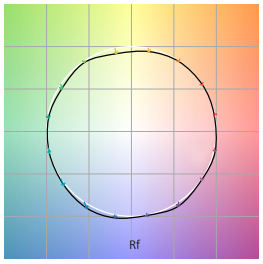
**X:** 0.403

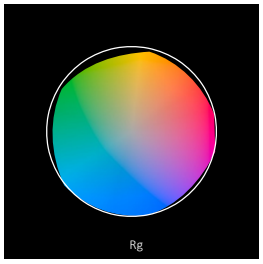
**Y:** 0.392

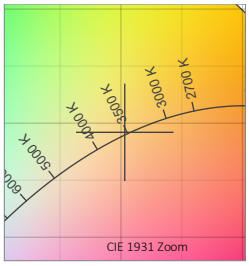
**U:** 0.234

**V:** 0.341

**Δuv:** 0.0011




| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 98.8 | 99.6 | 96.5 | 98.4 | 97.6 | 97.2 | 97.8 | 97.5 | 98.1 | 97.3 | 98.9 | 76.4 | 99.0 | 97.2 | 97.0 |
| **Q1** | **Q2** | **Q3** | **Q4** | **Q5** | **Q6** | **Q7** | **Q8** | **Q9** | **Q10** | **Q11** | **Q12** | **Q13** | **Q14** | **Q15** |
| 92.3 | 97.9 | 92.6 | 91.8 | 94.1 | 96.4 | 98.8 | 99.5 | 98.2 | 97.9 | 98.9 | 98.5 | 98.6 | 98.5 | 96.2 |
| **C1** | **C2** | **C3** | **C4** | **C5** | **C6** | **C7** | **C8** | **C9** | **C10** | **C11** | **C12** | **C13** | **C14** | **C15** | **C16** |
| 94.9 | 97.2 | 96.5 | 92.9 | 91.2 | 96.5 | 92.1 | 94.3 | 91.0 | 87.4 | 88.5 | 92.7 | 95.5 | 92.8 | 91.1 | 90.8 |

| TM30 | | | |
|---|---|---|---|
| Hue Bin | $R_f$ | Chroma | Hue |
| 1 | 95 | -1% | 1% |
| 2 | 97 | 0% | -1% |
| 3 | 97 | 0% | -1% |
| 4 | 93 | -4% | -2% |
| 5 | 91 | -7% | -1% |
| 6 | 97 | -2% | 1% |
| 7 | 92 | -4% | 4% |
| 8 | 94 | -1% | 3% |
| 9 | 91 | 0% | 6% |
| 10 | 87 | 1% | 9% |
| 11 | 89 | 4% | 7% |
| 12 | 93 | 4% | 1% |
| 13 | 96 | 0% | -3% |
| 14 | 93 | 4% | -3% |
| 15 | 91 | 0% | -2% |
| 16 | 91 | 1% | -4% |

## BOXA-SW-DRY-35-6.0HE-ENC/CL

3547 K

**CRI:** 98.0

**CRI R9:** 97.3

**TM30 Rf:** 92.7

**TM30 Rg:** 99.2

**CQS:** 95.9

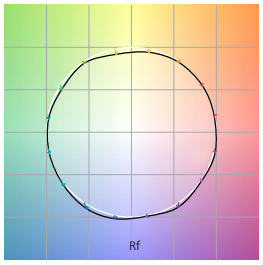
**X:** 0.404

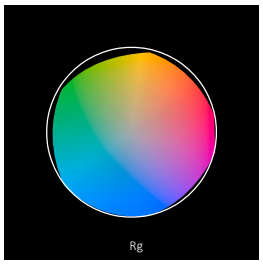
**Y:** 0.393

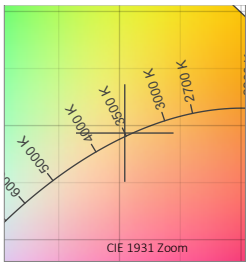
**U:** 0.234

**V:** 0.341

**Δuv:** 0.0014




| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 98.9 | 99.3 | 96.1 | 98.6 | 97.7 | 97.2 | 98.0 | 97.7 | 97.3 | 96.5 | 98.7 | 76.6 | 99.1 | 97.0 | 97.1 |
| **Q1** | **Q2** | **Q3** | **Q4** | **Q5** | **Q6** | **Q7** | **Q8** | **Q9** | **Q10** | **Q11** | **Q12** | **Q13** | **Q14** | **Q15** |
| 92.6 | 98.0 | 92.6 | 91.9 | 94.5 | 96.7 | 98.8 | 99.6 | 98.1 | 97.6 | 98.6 | 98.2 | 98.4 | 98.7 | 96.4 |
| **C1** | **C2** | **C3** | **C4** | **C5** | **C6** | **C7** | **C8** | **C9** | **C10** | **C11** | **C12** | **C13** | **C14** | **C15** | **C16** |
| 95.0 | 97.3 | 96.5 | 93.1 | 91.4 | 96.6 | 91.8 | 94.3 | 91.3 | 87.7 | 88.5 | 92.6 | 95.6 | 92.8 | 91.1 | 90.7 |

| TM30 | | | |
|---|---|---|---|
| Hue Bin | $R_f$ | Chroma | Hue |
| 1 | 95 | -1% | 1% |
| 2 | 97 | 0% | -1% |
| 3 | 97 | -1% | -1% |
| 4 | 93 | -4% | -2% |
| 5 | 91 | -7% | -1% |
| 6 | 97 | -2% | 1% |
| 7 | 92 | -4% | 4% |
| 8 | 94 | -1% | 4% |
| 9 | 91 | 0% | 6% |
| 10 | 88 | 1% | 9% |
| 11 | 89 | 4% | 7% |
| 12 | 93 | 4% | 1% |
| 13 | 96 | 1% | -3% |
| 14 | 93 | 4% | -3% |
| 15 | 91 | 1% | -2% |
| 16 | 91 | 1% | -4% |

**NOTES:**
- CRI R values, only R1-R8 are used to calculate RA CRI values
- TM30 C values, 16 binned values out of total of 99 C values
- CQS Q values
- Data subject to change, all data has +/- 5% tolerance

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# Q-CAP BOXA-SW-HE

Flexible Fixtures Color Data

## BOXA-SW-DRY-40-1.5HE-ENC/CL

4005 K

**CRI:** 97.2

**CRI R9:** 97.2

**TM30 Rf:** 91.5

**TM30 Rg:** 98.2

**CQS:** 94.8

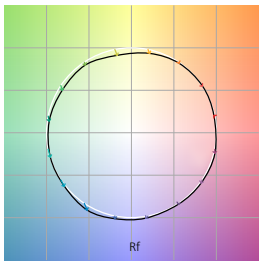
**X:** 0.382

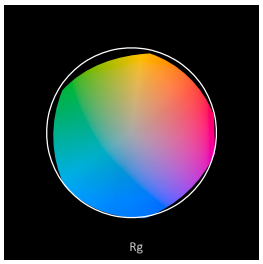
**Y:** 0.381

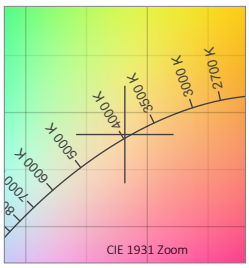
**U:** 0.224

**V:** 0.336

**Δuv:** 0.0015




| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 98.7 | 99.4 | 97.1 | 96.6 | 96.4 | 96.6 | 96.6 | 96.5 | 97.2 | 96.9 | 98.4 | 72.5 | 98.9 | 97.7 | 95.9 |
| **Q1** | **Q2** | **Q3** | **Q4** | **Q5** | **Q6** | **Q7** | **Q8** | **Q9** | **Q10** | **Q11** | **Q12** | **Q13** | **Q14** | **Q15** |
| 90.9 | 97.0 | 91.8 | 89.8 | 92.1 | 94.1 | 98.6 | 99.1 | 98.1 | 97.4 | 99.0 | 98.7 | 98.7 | 98.4 | 95.6 |
| **C1** | **C2** | **C3** | **C4** | **C5** | **C6** | **C7** | **C8** | **C9** | **C10** | **C11** | **C12** | **C13** | **C14** | **C15** | **C16** |
| 94.0 | 96.8 | 96.2 | 91.8 | 89.9 | 94.6 | 91.7 | 90.7 | 87.5 | 86.6 | 87.5 | 93.0 | 93.2 | 94.5 | 89.3 | 89.7 |

**TM30**

| Hue Bin | $R_f$ | Chroma | Hue |
|---|---|---|---|
| 1 | 94 | -1% | 1% |
| 2 | 97 | 0% | -1% |
| 3 | 96 | -1% | -1% |
| 4 | 92 | -4% | -3% |
| 5 | 90 | -7% | -1% |
| 6 | 95 | -4% | 1% |
| 7 | 92 | -4% | 4% |
| 8 | 91 | -2% | 5% |
| 9 | 87 | -1% | 9% |
| 10 | 87 | 1% | 9% |
| 11 | 87 | 5% | 7% |
| 12 | 93 | 3% | 1% |
| 13 | 93 | 2% | -3% |
| 14 | 95 | 1% | -1% |
| 15 | 89 | 1% | -4% |
| 16 | 90 | 1% | -5% |

## BOXA-SW-DRY-40-3.0HE-ENC/CL

3985 K

**CRI:** 97.0

**CRI R9:** 96.2

**TM30 Rf:** 90.9

**TM30 Rg:** 97.7

**CQS:** 94.5

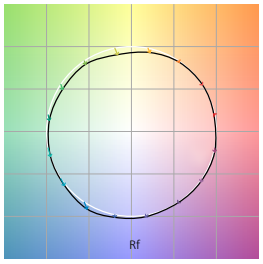
**X:** 0.383

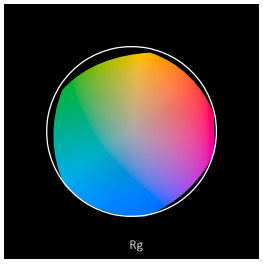
**Y:** 0.382

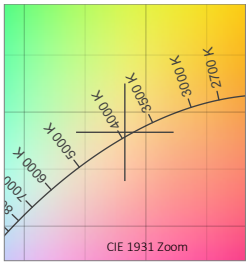
**U:** 0.224

**V:** 0.336

**Δuv:** 0.0019




| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 98.6 | 99.4 | 97.7 | 95.8 | 96.1 | 96.7 | 96.0 | 95.9 | 96.2 | 97.2 | 98.0 | 72.0 | 98.8 | 98.0 | 95.6 |
| **Q1** | **Q2** | **Q3** | **Q4** | **Q5** | **Q6** | **Q7** | **Q8** | **Q9** | **Q10** | **Q11** | **Q12** | **Q13** | **Q14** | **Q15** |
| 90.0 | 96.3 | 92.3 | 89.8 | 91.5 | 93.2 | 98.2 | 99.1 | 97.5 | 96.6 | 98.7 | 98.4 | 98.7 | 98.4 | 95.2 |
| **C1** | **C2** | **C3** | **C4** | **C5** | **C6** | **C7** | **C8** | **C9** | **C10** | **C11** | **C12** | **C13** | **C14** | **C15** | **C16** |
| 93.5 | 96.6 | 95.9 | 91.1 | 89.0 | 93.8 | 90.7 | 89.7 | 86.5 | 85.9 | 87.4 | 92.9 | 92.6 | 94.2 | 88.9 | 89.2 |

**TM30**

| Hue Bin | $R_f$ | Chroma | Hue |
|---|---|---|---|
| 1 | 93 | -1% | 1% |
| 2 | 97 | 0% | -1% |
| 3 | 96 | -1% | -2% |
| 4 | 91 | -5% | -3% |
| 5 | 89 | -8% | -2% |
| 6 | 94 | -4% | 1% |
| 7 | 91 | -5% | 4% |
| 8 | 90 | -3% | 6% |
| 9 | 87 | -1% | 10% |
| 10 | 86 | 1% | 9% |
| 11 | 87 | 5% | 7% |
| 12 | 93 | 3% | 0% |
| 13 | 93 | 2% | -4% |
| 14 | 94 | 0% | -1% |
| 15 | 89 | 1% | -4% |
| 16 | 89 | 1% | -5% |

## BOXA-SW-DRY-40-6.0HE-ENC/CL

3984 K

**CRI:** 97.1

**CRI R9:** 96.5

**TM30 Rf:** 90.9

**TM30 Rg:** 97.8

**CQS:** 94.5

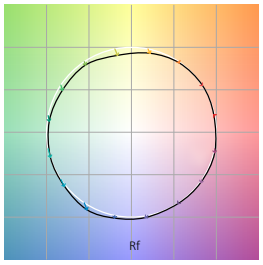
**X:** 0.382

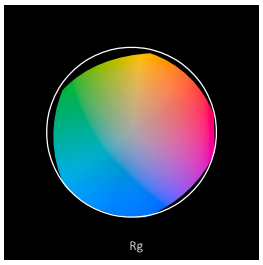
**Y:** 0.381

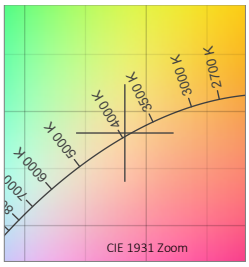
**U:** 0.225

**V:** 0.336

**Δuv:** 0.0015




| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 98.6 | 99.5 | 97.8 | 95.9 | 96.2 | 96.7 | 95.9 | 95.9 | 96.5 | 97.7 | 98.2 | 72.2 | 98.8 | 98.0 | 95.6 |
| **Q1** | **Q2** | **Q3** | **Q4** | **Q5** | **Q6** | **Q7** | **Q8** | **Q9** | **Q10** | **Q11** | **Q12** | **Q13** | **Q14** | **Q15** |
| 90.0 | 96.4 | 92.2 | 89.7 | 91.4 | 93.2 | 98.4 | 99.0 | 97.7 | 97.1 | 99.0 | 98.7 | 98.9 | 98.2 | 95.2 |
| **C1** | **C2** | **C3** | **C4** | **C5** | **C6** | **C7** | **C8** | **C9** | **C10** | **C11** | **C12** | **C13** | **C14** | **C15** | **C16** |
| 93.4 | 96.5 | 95.9 | 91.1 | 89.1 | 93.9 | 90.7 | 89.7 | 86.4 | 85.8 | 87.4 | 92.9 | 92.5 | 94.2 | 88.8 | 89.2 |

**TM30**

| Hue Bin | $R_f$ | Chroma | Hue |
|---|---|---|---|
| 1 | 93 | -1% | 1% |
| 2 | 97 | 0% | -1% |
| 3 | 96 | -1% | -1% |
| 4 | 91 | -5% | -3% |
| 5 | 89 | -8% | -2% |
| 6 | 94 | -4% | 1% |
| 7 | 91 | -5% | 4% |
| 8 | 90 | -3% | 6% |
| 9 | 86 | -1% | 10% |
| 10 | 86 | 1% | 9% |
| 11 | 87 | 5% | 7% |
| 12 | 93 | 3% | 0% |
| 13 | 93 | 2% | -4% |
| 14 | 94 | 0% | -1% |
| 15 | 89 | 1% | -4% |
| 16 | 89 | 1% | -4% |

**NOTES:**
- CRI R values, only R1-R8 are used to calculate RA CRI values
- TM30 C values, 16 binned values out of total of 99 C values
- CQS Q values
- Data subject to change, all data has +/- 5% tolerance

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Specification subject to change. Rev-03-10-24

# Q-CAP BOXA-SW-HE

Flexible Fixtures Color Data

## BOXA-SW-DRY-24-1.5HE-ENC/TL

2313 K

**CRI:** 92.3

**CRI R9:** 64.1

**TM30 Rf:** 90.8

**TM30 Rg:** 101.7

**CQS:** 86.1

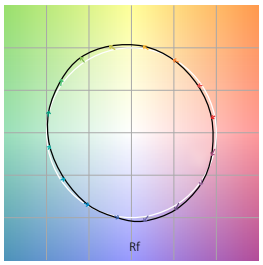
**X:** 0.497

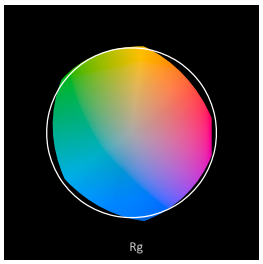
**Y:** 0.419

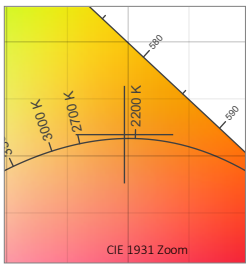
**U:** 0.283

**V:** 0.357

**Δuv:** 0.0011




| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 93.1 | 94.6 | 93.1 | 93.9 | 91.7 | 93.6 | 93.7 | 84.2 | 64.1 | 85.2 | 94.6 | 81.0 | 93.4 | 94.6 | 89.1 |
| **Q1** | **Q2** | **Q3** | **Q4** | **Q5** | **Q6** | **Q7** | **Q8** | **Q9** | **Q10** | **Q11** | **Q12** | **Q13** | **Q14** | **Q15** |
| 83.3 | 91.7 | 85.3 | 86.0 | 85.5 | 82.6 | 83.1 | 87.7 | 92.4 | 89.1 | 88.4 | 89.2 | 89.6 | 83.7 | 83.4 |
| **C1** | **C2** | **C3** | **C4** | **C5** | **C6** | **C7** | **C8** | **C9** | **C10** | **C11** | **C12** | **C13** | **C14** | **C15** | **C16** |
| 91.3 | 91.9 | 86.8 | 90.6 | 91.9 | 90.8 | 89.3 | 92.1 | 92.6 | 92.4 | 90.8 | 89.4 | 91.2 | 87.5 | 91.6 | 89.4 |

| TM30 | | | |
|---|---|---|---|
| Hue Bin | $R_f$ | Chroma | Hue |
| 1 | 91 | -4% | -1% |
| 2 | 92 | -4% | 2% |
| 3 | 87 | -1% | 6% |
| 4 | 91 | 3% | 6% |
| 5 | 92 | 5% | 5% |
| 6 | 91 | 7% | 1% |
| 7 | 89 | 3% | -6% |
| 8 | 92 | 0% | -5% |
| 9 | 93 | -3% | -3% |
| 10 | 92 | -4% | 1% |
| 11 | 91 | -1% | 5% |
| 12 | 89 | 2% | 5% |
| 13 | 91 | 5% | -6% |
| 14 | 88 | 4% | -7% |
| 15 | 92 | 2% | -6% |
| 16 | 89 | -2% | -7% |

## BOXA-SW-DRY-24-3.0HE-ENC/TL

2315 K

**CRI:** 92.6

**CRI R9:** 65.5

**TM30 Rf:** 91.3

**TM30 Rg:** 101.7

**CQS:** 86.6

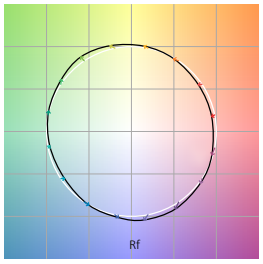
**X:** 0.497

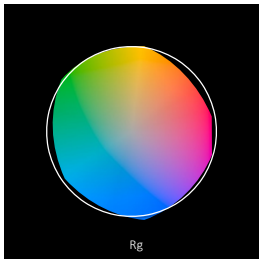
**Y:** 0.418

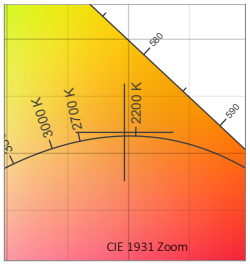
**U:** 0.283

**V:** 0.357

**Δuv:** 0.0010




| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 93.5 | 94.9 | 93.4 | 94.3 | 92.2 | 94.0 | 94.0 | 84.8 | 65.5 | 85.9 | 95.0 | 80.6 | 93.8 | 94.8 | 89.6 |
| **Q1** | **Q2** | **Q3** | **Q4** | **Q5** | **Q6** | **Q7** | **Q8** | **Q9** | **Q10** | **Q11** | **Q12** | **Q13** | **Q14** | **Q15** |
| 84.4 | 91.7 | 85.1 | 86.1 | 86.4 | 83.6 | 83.5 | 87.9 | 92.5 | 89.3 | 88.7 | 89.5 | 89.8 | 84.3 | 84.2 |
| **C1** | **C2** | **C3** | **C4** | **C5** | **C6** | **C7** | **C8** | **C9** | **C10** | **C11** | **C12** | **C13** | **C14** | **C15** | **C16** |
| 91.8 | 92.5 | 87.4 | 91.6 | 93.0 | 91.6 | 90.9 | 93.4 | 94.2 | 92.3 | 90.4 | 89.2 | 91.2 | 87.0 | 92.2 | 88.3 |

| TM30 | | | |
|---|---|---|---|
| Hue Bin | $R_f$ | Chroma | Hue |
| 1 | 92 | -4% | -1% |
| 2 | 92 | -4% | 2% |
| 3 | 87 | -1% | 6% |
| 4 | 92 | 1% | 5% |
| 5 | 93 | 4% | 5% |
| 6 | 92 | 6% | 1% |
| 7 | 91 | 3% | -5% |
| 8 | 93 | 0% | -5% |
| 9 | 94 | -2% | -2% |
| 10 | 92 | -4% | 2% |
| 11 | 90 | 0% | 6% |
| 12 | 89 | 2% | 5% |
| 13 | 91 | 5% | -6% |
| 14 | 87 | 5% | -8% |
| 15 | 92 | 1% | -5% |
| 16 | 88 | -2% | -8% |

## BOXA-SW-DRY-24-6.0HE-ENC/TL

2313 K

**CRI:** 92.7

**CRI R9:** 65.2

**TM30 Rf:** 91.5

**TM30 Rg:** 101.4

**CQS:** 86.8

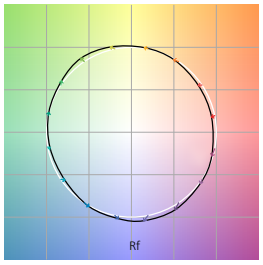
**X:** 0.497

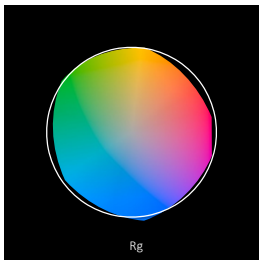
**Y:** 0.418

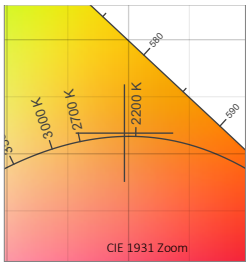
**U:** 0.283

**V:** 0.357

**Δuv:** 0.0009




| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 93.5 | 95.1 | 93.8 | 94.1 | 92.1 | 94.2 | 93.9 | 84.6 | 65.2 | 86.3 | 94.7 | 80.7 | 93.8 | 95.0 | 89.6 |
| **Q1** | **Q2** | **Q3** | **Q4** | **Q5** | **Q6** | **Q7** | **Q8** | **Q9** | **Q10** | **Q11** | **Q12** | **Q13** | **Q14** | **Q15** |
| 84.9 | 91.6 | 85.0 | 85.8 | 86.9 | 84.5 | 83.8 | 87.7 | 92.5 | 89.4 | 88.9 | 89.6 | 89.8 | 84.4 | 84.4 |
| **C1** | **C2** | **C3** | **C4** | **C5** | **C6** | **C7** | **C8** | **C9** | **C10** | **C11** | **C12** | **C13** | **C14** | **C15** | **C16** |
| 91.9 | 92.5 | 87.7 | 92.3 | 93.6 | 92.3 | 92.0 | 94.3 | 95.0 | 91.7 | 89.8 | 89.2 | 91.2 | 86.8 | 92.7 | 87.9 |

| TM30 | | | |
|---|---|---|---|
| Hue Bin | $R_f$ | Chroma | Hue |
| 1 | 92 | -4% | -1% |
| 2 | 93 | -4% | 2% |
| 3 | 88 | -1% | 6% |
| 4 | 92 | 1% | 4% |
| 5 | 94 | 3% | 5% |
| 6 | 92 | 5% | 1% |
| 7 | 92 | 2% | -4% |
| 8 | 94 | 0% | -4% |
| 9 | 95 | -2% | -1% |
| 10 | 92 | -3% | 3% |
| 11 | 90 | 0% | 7% |
| 12 | 89 | 3% | 5% |
| 13 | 91 | 5% | -6% |
| 14 | 87 | 5% | -8% |
| 15 | 93 | 1% | -5% |
| 16 | 88 | -2% | -9% |

**NOTES:**
- CRI R values, only R1-R8 are used to calculate RA CRI values
- TM30 C values, 16 binned values out of total of 99 C values
- CQS Q values
- Data subject to change, all data has +/- 5% tolerance

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Specification subject to change. Rev-03-10-24

# Q-CAP BOXA-SW-HE

Flexible Fixtures Color Data

## BOXA-SW-DRY-27-1.5HE-ENC/TL

2633 K

**CRI:** 95.8

**CRI R9:** 96.3

**TM30 Rf:** 94.6

**TM30 Rg:** 101.5

**CQS:** 94.9

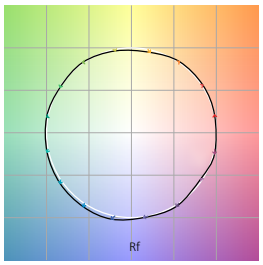
**X:** 0.460

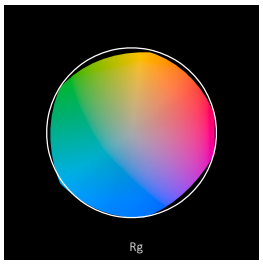
**Y:** 0.402

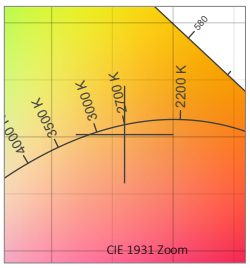
**U:** 0.267

**V:** 0.349

**Δuv:** -0.0032




| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 94.6 | 95.6 | 99.0 | 95.8 | 94.1 | 91.7 | 97.1 | 98.3 | 96.3 | 92.3 | 92.2 | 84.5 | 94.1 | 98.5 | 96.0 |
| **Q1** | **Q2** | **Q3** | **Q4** | **Q5** | **Q6** | **Q7** | **Q8** | **Q9** | **Q10** | **Q11** | **Q12** | **Q13** | **Q14** | **Q15** |
| 92.4 | 94.8 | 95.1 | 95.3 | 96.0 | 97.2 | 94.7 | 95.4 | 96.5 | 97.0 | 96.9 | 97.0 | 96.8 | 92.9 | 93.3 |
| **C1** | **C2** | **C3** | **C4** | **C5** | **C6** | **C7** | **C8** | **C9** | **C10** | **C11** | **C12** | **C13** | **C14** | **C15** | **C16** |
| 95.9 | 97.0 | 95.7 | 93.0 | 96.3 | 96.1 | 95.5 | 96.9 | 93.9 | 93.8 | 93.5 | 92.4 | 93.1 | 93.9 | 93.9 | 92.9 |

| TM30 | | | |
|---|---|---|---|
| Hue Bin | $R_f$ | Chroma | Hue |
| 1 | 96 | 0% | 1% |
| 2 | 97 | 1% | 0% |
| 3 | 96 | 1% | -1% |
| 4 | 93 | -3% | -3% |
| 5 | 96 | -2% | 0% |
| 6 | 96 | 1% | 2% |
| 7 | 95 | 0% | 2% |
| 8 | 97 | 2% | 1% |
| 9 | 94 | 2% | 3% |
| 10 | 94 | 3% | 3% |
| 11 | 93 | 4% | 2% |
| 12 | 92 | 4% | -3% |
| 13 | 93 | 1% | -5% |
| 14 | 94 | 2% | -4% |
| 15 | 94 | -2% | 1% |
| 16 | 93 | 1% | -5% |

## BOXA-SW-DRY-27-3.0HE-ENC/TL

2604 K

**CRI:** 95.8

**CRI R9:** 98.1

**TM30 Rf:** 93.9

**TM30 Rg:** 100.9

**CQS:** 94.5

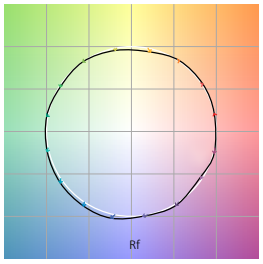
**X:** 0.463

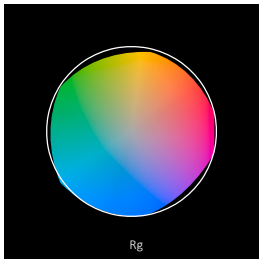
**Y:** 0.404

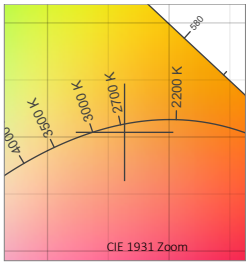
**U:** 0.268

**V:** 0.350

**Δuv:** -0.0027




| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 95.0 | 95.8 | 99.1 | 96.1 | 94.5 | 91.6 | 96.5 | 98.1 | 98.1 | 92.7 | 92.4 | 84.1 | 94.5 | 98.6 | 96.8 |
| **Q1** | **Q2** | **Q3** | **Q4** | **Q5** | **Q6** | **Q7** | **Q8** | **Q9** | **Q10** | **Q11** | **Q12** | **Q13** | **Q14** | **Q15** |
| 91.1 | 94.3 | 95.1 | 95.0 | 95.3 | 96.3 | 95.3 | 95.6 | 96.3 | 96.5 | 96.4 | 96.6 | 96.8 | 92.7 | 92.7 |
| **C1** | **C2** | **C3** | **C4** | **C5** | **C6** | **C7** | **C8** | **C9** | **C10** | **C11** | **C12** | **C13** | **C14** | **C15** | **C16** |
| 95.3 | 96.8 | 95.5 | 91.6 | 95.8 | 96.2 | 94.7 | 96.4 | 92.8 | 92.7 | 92.8 | 91.6 | 92.3 | 93.0 | 92.9 | 92.0 |

| TM30 | | | |
|---|---|---|---|
| Hue Bin | $R_f$ | Chroma | Hue |
| 1 | 95 | 0% | 2% |
| 2 | 97 | 1% | 0% |
| 3 | 96 | 1% | -1% |
| 4 | 92 | -4% | -4% |
| 5 | 96 | -3% | 0% |
| 6 | 96 | 0% | 2% |
| 7 | 95 | -1% | 3% |
| 8 | 96 | 1% | 2% |
| 9 | 93 | 2% | 4% |
| 10 | 93 | 3% | 4% |
| 11 | 93 | 4% | 2% |
| 12 | 92 | 5% | -4% |
| 13 | 92 | 1% | -6% |
| 14 | 93 | 2% | -5% |
| 15 | 93 | -2% | 1% |
| 16 | 92 | 1% | -6% |

## BOXA-SW-DRY-27-6.0HE-ENC/TL

2612 K

**CRI:** 95.7

**CRI R9:** 97.6

**TM30 Rf:** 93.7

**TM30 Rg:** 101.0

**CQS:** 94.5

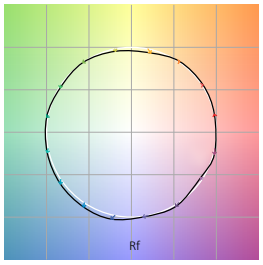
**X:** 0.462

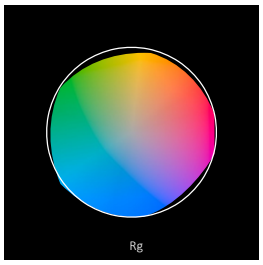
**Y:** 0.403

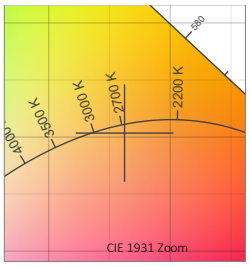
**U:** 0.267

**V:** 0.350

**Δuv:** -0.0028




| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 94.7 | 95.6 | 99.0 | 95.9 | 94.1 | 91.4 | 96.6 | 98.2 | 97.6 | 92.3 | 92.1 | 83.6 | 94.1 | 98.6 | 96.3 |
| **Q1** | **Q2** | **Q3** | **Q4** | **Q5** | **Q6** | **Q7** | **Q8** | **Q9** | **Q10** | **Q11** | **Q12** | **Q13** | **Q14** | **Q15** |
| 91.0 | 94.4 | 95.0 | 95.0 | 95.3 | 96.4 | 95.2 | 95.7 | 96.3 | 96.5 | 96.4 | 96.5 | 96.9 | 92.6 | 92.6 |
| **C1** | **C2** | **C3** | **C4** | **C5** | **C6** | **C7** | **C8** | **C9** | **C10** | **C11** | **C12** | **C13** | **C14** | **C15** | **C16** |
| 95.2 | 96.6 | 95.3 | 91.2 | 95.7 | 96.1 | 94.5 | 96.2 | 92.4 | 92.4 | 92.4 | 91.5 | 92.4 | 92.9 | 92.7 | 91.6 |

| TM30 | | | |
|---|---|---|---|
| Hue Bin | $R_f$ | Chroma | Hue |
| 1 | 95 | 0% | 2% |
| 2 | 97 | 1% | 0% |
| 3 | 95 | 1% | -1% |
| 4 | 91 | -4% | -4% |
| 5 | 96 | -3% | 0% |
| 6 | 96 | 0% | 2% |
| 7 | 94 | -1% | 3% |
| 8 | 96 | 1% | 2% |
| 9 | 92 | 2% | 4% |
| 10 | 92 | 3% | 4% |
| 11 | 92 | 5% | 2% |
| 12 | 91 | 5% | -3% |
| 13 | 92 | 1% | -6% |
| 14 | 93 | 2% | -5% |
| 15 | 93 | -2% | 1% |
| 16 | 92 | 1% | -6% |

**NOTES:**
- CRI R values, only R1-R8 are used to calculate RA CRI values
- TM30 C values, 16 binned values out of total of 99 C values
- CQS Q values
- Data subject to change, all data has +/- 5% tolerance

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Specification subject to change. Rev-03-10-24

# Q-CAP BOXA-SW-HE

Flexible Fixtures Color Data

## BOXA-SW-DRY-30-1.5HE-ENC/TL

3000 K

**CRI:** 96.3

**CRI R9:** 91.6

**TM30 Rf:** 93.9

**TM30 Rg:** 101.5

**CQS:** 93.3

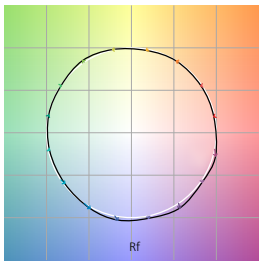
**X:** 0.438

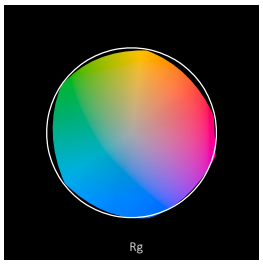
**Y:** 0.405

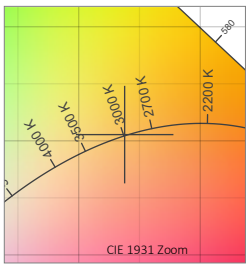
**U:** 0.251

**V:** 0.348

**Δuv:** 0.0004




| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 97.7 | 96.4 | 92.7 | 97.3 | 96.1 | 94.2 | 98.3 | 97.6 | 91.6 | 89.6 | 96.5 | 78.0 | 97.3 | 94.9 | 97.3 |
| **Q1** | **Q2** | **Q3** | **Q4** | **Q5** | **Q6** | **Q7** | **Q8** | **Q9** | **Q10** | **Q11** | **Q12** | **Q13** | **Q14** | **Q15** |
| 96.1 | 97.7 | 87.8 | 89.0 | 93.0 | 93.1 | 91.2 | 95.0 | 95.3 | 93.9 | 94.8 | 96.1 | 97.0 | 96.2 | 96.2 |
| **C1** | **C2** | **C3** | **C4** | **C5** | **C6** | **C7** | **C8** | **C9** | **C10** | **C11** | **C12** | **C13** | **C14** | **C15** | **C16** |
| 96.5 | 97.0 | 93.6 | 94.0 | 94.3 | 95.6 | 94.7 | 97.7 | 95.9 | 90.3 | 88.1 | 90.5 | 95.9 | 93.1 | 93.9 | 90.5 |

| TM30 | | | |
|---|---|---|---|
| Hue Bin | $R_f$ | Chroma | Hue |
| 1 | 97 | -1% | 0% |
| 2 | 97 | -1% | 1% |
| 3 | 94 | 0% | 3% |
| 4 | 94 | -2% | 2% |
| 5 | 94 | 0% | 3% |
| 6 | 96 | 3% | 1% |
| 7 | 95 | 0% | 0% |
| 8 | 98 | 0% | -1% |
| 9 | 96 | -1% | 2% |
| 10 | 90 | -1% | 6% |
| 11 | 88 | 1% | 9% |
| 12 | 90 | 4% | 4% |
| 13 | 96 | 3% | 0% |
| 14 | 93 | 5% | -2% |
| 15 | 94 | 2% | -2% |
| 16 | 91 | 3% | -7% |

## BOXA-SW-DRY-30-3.0HE-ENC/TL

2979 K

**CRI:** 96.5

**CRI R9:** 91.4

**TM30 Rf:** 93.4

**TM30 Rg:** 101.0

**CQS:** 93.4

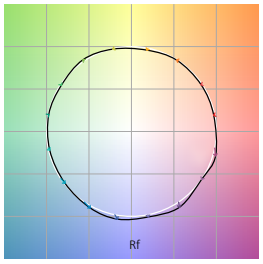
**X:** 0.440

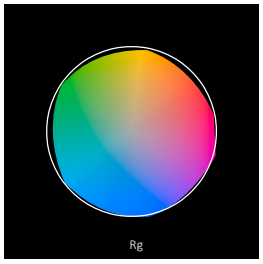
**Y:** 0.406

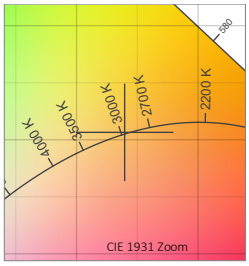
**U:** 0.251

**V:** 0.348

**Δuv:** 0.0006




| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 97.8 | 96.7 | 93.0 | 97.7 | 96.2 | 94.4 | 98.7 | 97.4 | 91.4 | 90.1 | 96.8 | 76.8 | 97.5 | 95.1 | 97.2 |
| **Q1** | **Q2** | **Q3** | **Q4** | **Q5** | **Q6** | **Q7** | **Q8** | **Q9** | **Q10** | **Q11** | **Q12** | **Q13** | **Q14** | **Q15** |
| 95.3 | 97.6 | 87.8 | 88.6 | 92.9 | 93.7 | 91.7 | 95.2 | 95.4 | 94.3 | 95.1 | 96.3 | 97.1 | 96.2 | 96.1 |
| **C1** | **C2** | **C3** | **C4** | **C5** | **C6** | **C7** | **C8** | **C9** | **C10** | **C11** | **C12** | **C13** | **C14** | **C15** | **C16** |
| 96.1 | 97.0 | 94.0 | 93.5 | 94.1 | 96.1 | 93.8 | 98.1 | 94.9 | 89.1 | 87.2 | 90.2 | 96.0 | 92.6 | 95.2 | 89.0 |

| TM30 | | | |
|---|---|---|---|
| Hue Bin | $R_f$ | Chroma | Hue |
| 1 | 96 | -1% | 0% |
| 2 | 97 | -1% | 0% |
| 3 | 94 | -1% | 2% |
| 4 | 94 | -2% | 1% |
| 5 | 94 | -1% | 3% |
| 6 | 96 | 2% | 1% |
| 7 | 94 | -1% | 1% |
| 8 | 98 | -1% | -1% |
| 9 | 95 | -1% | 3% |
| 10 | 89 | -1% | 7% |
| 11 | 87 | 2% | 10% |
| 12 | 90 | 4% | 4% |
| 13 | 96 | 3% | 0% |
| 14 | 93 | 6% | -3% |
| 15 | 95 | 0% | -1% |
| 16 | 89 | 3% | -9% |

## BOXA-SW-DRY-30-6.0HE-ENC/TL

2983 K

**CRI:** 96.6

**CRI R9:** 91.8

**TM30 Rf:** 93.4

**TM30 Rg:** 101.0

**CQS:** 93.3

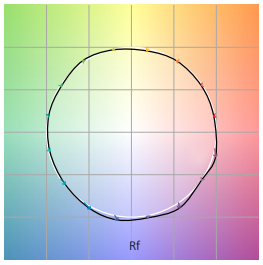
**X:** 0.439

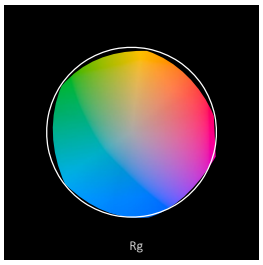
**Y:** 0.406

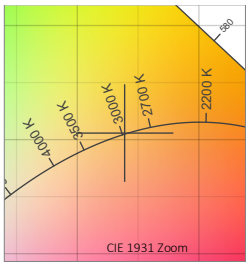
**U:** 0.251

**V:** 0.348

**Δuv:** 0.0004




| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 97.9 | 96.8 | 93.1 | 97.6 | 96.3 | 94.5 | 98.8 | 97.6 | 91.8 | 90.4 | 96.7 | 76.9 | 97.6 | 95.1 | 97.3 |
| **Q1** | **Q2** | **Q3** | **Q4** | **Q5** | **Q6** | **Q7** | **Q8** | **Q9** | **Q10** | **Q11** | **Q12** | **Q13** | **Q14** | **Q15** |
| 95.3 | 97.6 | 87.6 | 88.4 | 92.8 | 93.7 | 91.7 | 95.1 | 95.4 | 94.2 | 95.0 | 96.3 | 97.2 | 96.3 | 96.2 |
| **C1** | **C2** | **C3** | **C4** | **C5** | **C6** | **C7** | **C8** | **C9** | **C10** | **C11** | **C12** | **C13** | **C14** | **C15** | **C16** |
| 96.1 | 97.0 | 94.0 | 93.4 | 94.0 | 96.1 | 93.6 | 98.0 | 94.7 | 88.8 | 87.1 | 90.1 | 96.0 | 92.5 | 95.1 | 88.9 |

| TM30 | | | |
|---|---|---|---|
| Hue Bin | $R_f$ | Chroma | Hue |
| 1 | 96 | -1% | 0% |
| 2 | 97 | -1% | 0% |
| 3 | 94 | 0% | 2% |
| 4 | 93 | -3% | 1% |
| 5 | 94 | -1% | 3% |
| 6 | 96 | 2% | 1% |
| 7 | 94 | -1% | 1% |
| 8 | 98 | -1% | -1% |
| 9 | 95 | -1% | 3% |
| 10 | 89 | -1% | 7% |
| 11 | 87 | 2% | 10% |
| 12 | 90 | 5% | 4% |
| 13 | 96 | 3% | 0% |
| 14 | 93 | 6% | -3% |
| 15 | 95 | 0% | -1% |
| 16 | 89 | 3% | -9% |

**NOTES:**
- CRI R values, only R1-R8 are used to calculate RA CRI values
- TM30 C values, 16 binned values out of total of 99 C values
- CQS Q values
- Data subject to change, all data has +/- 5% tolerance

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Specification subject to change. Rev-03-10-24

# Q-CAP BOXA-SW-HE

Flexible Fixtures Color Data

## BOXA-SW-DRY-35-1.5HE-ENC/TL

3551 K

**CRI:** 97.7

**CRI R9:** 96.7

**TM30 Rf:** 92.7

**TM30 Rg:** 99.2

**CQS:** 95.8

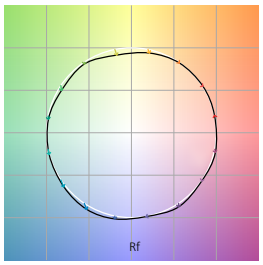
**X:** 0.404

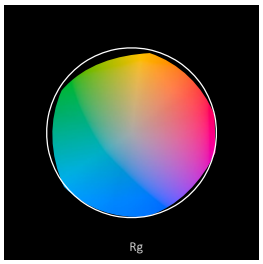
**Y:** 0.392

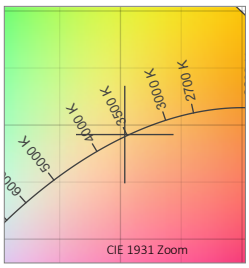
**U:** 0.234

**V:** 0.341

**Δuv:** 0.0008




| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 98.0 | 99.6 | 96.5 | 98.2 | 97.6 | 97.6 | 97.5 | 96.9 | 96.7 | 98.4 | 98.3 | 77.3 | 98.2 | 97.1 | 96.5 |
| **Q1** | **Q2** | **Q3** | **Q4** | **Q5** | **Q6** | **Q7** | **Q8** | **Q9** | **Q10** | **Q11** | **Q12** | **Q13** | **Q14** | **Q15** |
| 92.0 | 97.6 | 93.2 | 92.3 | 94.1 | 96.2 | 99.2 | 99.8 | 97.9 | 97.8 | 98.8 | 98.0 | 98.0 | 98.3 | 95.8 |
| **C1** | **C2** | **C3** | **C4** | **C5** | **C6** | **C7** | **C8** | **C9** | **C10** | **C11** | **C12** | **C13** | **C14** | **C15** | **C16** |
| 94.9 | 96.9 | 96.2 | 92.7 | 91.0 | 96.2 | 91.8 | 94.1 | 90.9 | 87.4 | 89.1 | 93.3 | 95.8 | 93.6 | 91.5 | 91.3 |

| TM30 | | | |
|---|---|---|---|
| Hue Bin | $R_f$ | Chroma | Hue |
| 1 | 95 | 0% | 1% |
| 2 | 97 | 0% | -1% |
| 3 | 96 | 0% | -1% |
| 4 | 93 | -4% | -3% |
| 5 | 91 | -7% | -1% |
| 6 | 96 | -2% | 1% |
| 7 | 92 | -4% | 4% |
| 8 | 94 | -1% | 4% |
| 9 | 91 | 0% | 6% |
| 10 | 87 | 2% | 9% |
| 11 | 89 | 4% | 6% |
| 12 | 93 | 3% | 1% |
| 13 | 96 | 0% | -3% |
| 14 | 94 | 3% | -3% |
| 15 | 92 | 0% | -1% |
| 16 | 91 | 2% | -3% |

## BOXA-SW-DRY-35-3.0HE-ENC/TL

3501 K

**CRI:** 97.7

**CRI R9:** 98.4

**TM30 Rf:** 92.2

**TM30 Rg:** 98.4

**CQS:** 95.5

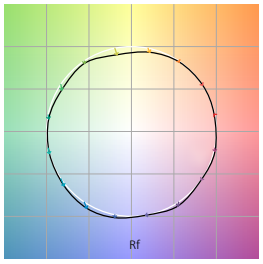
**X:** 0.408

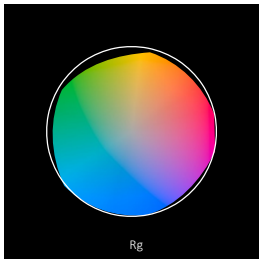
**Y:** 0.396

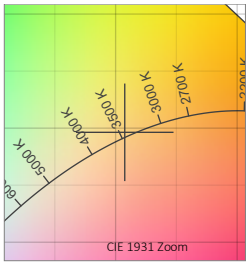
**U:** 0.235

**V:** 0.343

**Δuv:** 0.0020




| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 98.9 | 99.4 | 96.7 | 97.7 | 97.4 | 97.6 | 97.2 | 97.2 | 98.4 | 97.1 | 99.4 | 76.4 | 98.9 | 97.3 | 96.8 |
| **Q1** | **Q2** | **Q3** | **Q4** | **Q5** | **Q6** | **Q7** | **Q8** | **Q9** | **Q10** | **Q11** | **Q12** | **Q13** | **Q14** | **Q15** |
| 91.4 | 97.0 | 93.6 | 92.3 | 93.8 | 95.4 | 99.6 | 99.8 | 96.9 | 95.9 | 97.7 | 97.5 | 98.0 | 98.7 | 95.8 |
| **C1** | **C2** | **C3** | **C4** | **C5** | **C6** | **C7** | **C8** | **C9** | **C10** | **C11** | **C12** | **C13** | **C14** | **C15** | **C16** |
| 94.6 | 96.9 | 96.1 | 91.8 | 90.5 | 95.5 | 90.1 | 93.2 | 90.2 | 86.9 | 88.9 | 93.0 | 95.3 | 92.9 | 90.9 | 90.7 |

| TM30 | | | |
|---|---|---|---|
| Hue Bin | $R_f$ | Chroma | Hue |
| 1 | 95 | -1% | 1% |
| 2 | 97 | 0% | -1% |
| 3 | 96 | -1% | -1% |
| 4 | 92 | -4% | -3% |
| 5 | 90 | -8% | -1% |
| 6 | 95 | -3% | 1% |
| 7 | 90 | -5% | 5% |
| 8 | 93 | -2% | 4% |
| 9 | 90 | 0% | 7% |
| 10 | 87 | 2% | 9% |
| 11 | 89 | 4% | 6% |
| 12 | 93 | 3% | 0% |
| 13 | 95 | 0% | -3% |
| 14 | 93 | 3% | -4% |
| 15 | 91 | 0% | -2% |
| 16 | 91 | 1% | -4% |

## BOXA-SW-DRY-35-6.0HE-ENC/TL

3492 K

**CRI:** 97.9

**CRI R9:** 98.0

**TM30 Rf:** 92.6

**TM30 Rg:** 98.8

**CQS:** 95.9

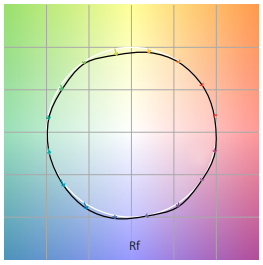
**X:** 0.408

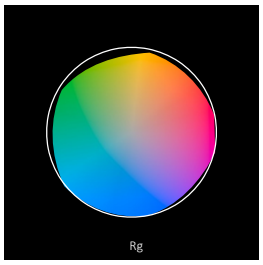
**Y:** 0.396

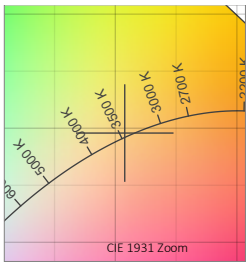
**U:** 0.235

**V:** 0.342

**Δuv:** 0.0017




| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 98.9 | 99.4 | 96.3 | 98.2 | 97.6 | 97.5 | 97.7 | 97.5 | 98.0 | 96.7 | 99.1 | 77.1 | 99.1 | 97.1 | 97.1 |
| **Q1** | **Q2** | **Q3** | **Q4** | **Q5** | **Q6** | **Q7** | **Q8** | **Q9** | **Q10** | **Q11** | **Q12** | **Q13** | **Q14** | **Q15** |
| 92.2 | 97.7 | 93.3 | 92.3 | 94.3 | 96.2 | 99.4 | 99.8 | 97.6 | 96.9 | 98.2 | 97.9 | 98.2 | 98.8 | 96.3 |
| **C1** | **C2** | **C3** | **C4** | **C5** | **C6** | **C7** | **C8** | **C9** | **C10** | **C11** | **C12** | **C13** | **C14** | **C15** | **C16** |
| 94.9 | 97.2 | 96.4 | 92.5 | 91.2 | 96.1 | 91.2 | 93.9 | 91.0 | 87.5 | 89.0 | 93.1 | 95.6 | 93.1 | 91.3 | 91.0 |

| TM30 | | | |
|---|---|---|---|
| Hue Bin | $R_f$ | Chroma | Hue |
| 1 | 95 | -1% | 1% |
| 2 | 97 | 0% | -1% |
| 3 | 96 | -1% | -1% |
| 4 | 92 | -4% | -3% |
| 5 | 91 | -7% | -1% |
| 6 | 96 | -2% | 1% |
| 7 | 91 | -4% | 4% |
| 8 | 94 | -1% | 4% |
| 9 | 91 | 0% | 6% |
| 10 | 88 | 1% | 9% |
| 11 | 89 | 4% | 6% |
| 12 | 93 | 3% | 1% |
| 13 | 96 | 0% | -3% |
| 14 | 93 | 4% | -3% |
| 15 | 91 | 0% | -2% |
| 16 | 91 | 1% | -4% |

**NOTES:**
- CRI R values, only R1-R8 are used to calculate RA CRI values
- TM30 C values, 16 binned values out of total of 99 C values
- CQS Q values
- Data subject to change, all data has +/- 5% tolerance

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Specification subject to change. Rev-03-10-24

# Q-CAP BOXA-SW-HE

Flexible Fixtures Color Data

## BOXA-SW-DRY-40-1.5HE-ENC/TL

4090 K

**CRI:** 97.3

**CRI R9:** 98.4

**TM30 Rf:** 91.9

**TM30 Rg:** 99.0

**CQS:** 94.8

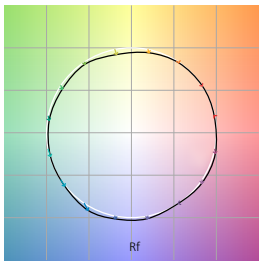
**X:** 0.377

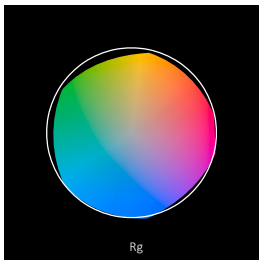
**Y:** 0.377

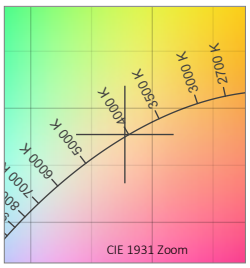
**U:** 0.223

**V:** 0.334

**Δuv:** 0.0010




| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 98.7 | 99.2 | 96.1 | 97.3 | 96.5 | 96.0 | 97.5 | 97.1 | 98.4 | 96.0 | 98.2 | 71.3 | 99.1 | 97.2 | 95.9 |
| **Q1** | **Q2** | **Q3** | **Q4** | **Q5** | **Q6** | **Q7** | **Q8** | **Q9** | **Q10** | **Q11** | **Q12** | **Q13** | **Q14** | **Q15** |
| 91.8 | 98.1 | 90.4 | 88.9 | 92.1 | 94.6 | 98.0 | 98.8 | 98.0 | 98.2 | 98.9 | 99.2 | 98.9 | 98.6 | 96.1 |
| **C1** | **C2** | **C3** | **C4** | **C5** | **C6** | **C7** | **C8** | **C9** | **C10** | **C11** | **C12** | **C13** | **C14** | **C15** | **C16** |
| 94.4 | 97.0 | 96.2 | 92.3 | 90.7 | 95.6 | 92.9 | 91.8 | 88.4 | 86.7 | 86.7 | 93.8 | 94.0 | 94.7 | 89.9 | 90.0 |

| TM30 | | | |
|---|---|---|---|
| Hue Bin | $R_f$ | Chroma | Hue |
| 1 | 94 | 0% | 1% |
| 2 | 97 | 0% | -1% |
| 3 | 96 | -1% | -1% |
| 4 | 92 | -4% | -2% |
| 5 | 91 | -6% | -1% |
| 6 | 96 | -3% | 1% |
| 7 | 93 | -4% | 3% |
| 8 | 92 | -2% | 5% |
| 9 | 88 | -1% | 9% |
| 10 | 87 | 0% | 9% |
| 11 | 87 | 4% | 8% |
| 12 | 94 | 3% | 1% |
| 13 | 94 | 3% | -2% |
| 14 | 95 | 0% | 0% |
| 15 | 90 | 2% | -3% |
| 16 | 90 | 2% | -5% |

## BOXA-SW-DRY-40-3.0HE-ENC/TL

4054 K

**CRI:** 97.0

**CRI R9:** 96.9

**TM30 Rf:** 91.6

**TM30 Rg:** 98.5

**CQS:** 94.6

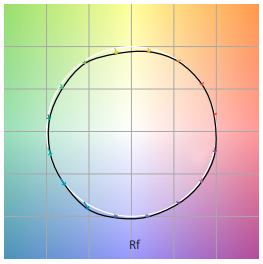
**X:** 0.380

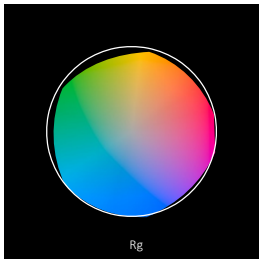
**Y:** 0.380

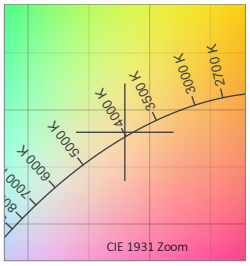
**U:** 0.223

**V:** 0.335

**Δuv:** 0.0019




| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 98.5 | 98.6 | 96.0 | 96.6 | 96.0 | 95.6 | 97.4 | 97.0 | 96.9 | 94.8 | 97.5 | 70.8 | 98.6 | 97.2 | 95.9 |
| **Q1** | **Q2** | **Q3** | **Q4** | **Q5** | **Q6** | **Q7** | **Q8** | **Q9** | **Q10** | **Q11** | **Q12** | **Q13** | **Q14** | **Q15** |
| 91.5 | 97.8 | 90.5 | 88.8 | 91.9 | 94.0 | 97.9 | 98.7 | 98.1 | 97.6 | 98.6 | 98.7 | 98.8 | 98.8 | 96.1 |
| **C1** | **C2** | **C3** | **C4** | **C5** | **C6** | **C7** | **C8** | **C9** | **C10** | **C11** | **C12** | **C13** | **C14** | **C15** | **C16** |
| 94.1 | 96.9 | 96.1 | 92.0 | 90.3 | 95.2 | 92.3 | 91.3 | 87.9 | 86.2 | 86.5 | 92.9 | 93.7 | 94.4 | 89.3 | 89.5 |

| TM30 | | | |
|---|---|---|---|
| Hue Bin | $R_f$ | Chroma | Hue |
| 1 | 94 | -1% | 1% |
| 2 | 97 | 0% | -1% |
| 3 | 96 | -1% | -1% |
| 4 | 92 | -4% | -2% |
| 5 | 90 | -7% | -1% |
| 6 | 95 | -3% | 1% |
| 7 | 92 | -4% | 3% |
| 8 | 91 | -3% | 5% |
| 9 | 88 | -1% | 9% |
| 10 | 86 | 0% | 9% |
| 11 | 87 | 4% | 8% |
| 12 | 93 | 3% | 2% |
| 13 | 94 | 2% | -2% |
| 14 | 94 | 1% | -1% |
| 15 | 89 | 2% | -4% |
| 16 | 90 | 1% | -5% |

## BOXA-SW-DRY-40-6.0HE-ENC/TL

4030 K

**CRI:** 96.9

**CRI R9:** 95.1

**TM30 Rf:** 91.7

**TM30 Rg:** 98.5

**CQS:** 94.8

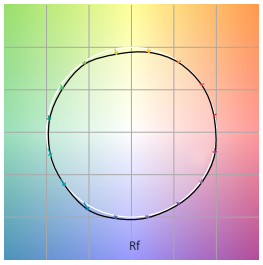
**X:** 0.381

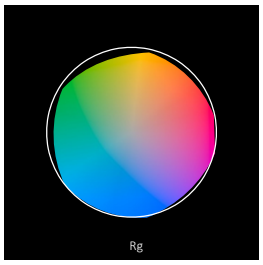
**Y:** 0.381

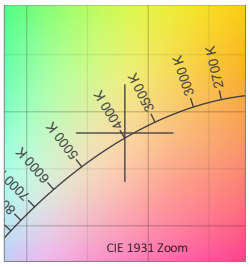
**U:** 0.223

**V:** 0.336

**Δuv:** 0.0021




| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 98.3 | 98.3 | 95.9 | 96.7 | 95.9 | 95.5 | 97.7 | 96.9 | 95.1 | 94.2 | 97.4 | 71.4 | 98.4 | 97.1 | 95.9 |
| **Q1** | **Q2** | **Q3** | **Q4** | **Q5** | **Q6** | **Q7** | **Q8** | **Q9** | **Q10** | **Q11** | **Q12** | **Q13** | **Q14** | **Q15** |
| 91.9 | 98.0 | 90.6 | 89.0 | 92.1 | 94.2 | 97.8 | 98.6 | 98.2 | 97.6 | 98.4 | 98.6 | 98.9 | 98.8 | 96.3 |
| **C1** | **C2** | **C3** | **C4** | **C5** | **C6** | **C7** | **C8** | **C9** | **C10** | **C11** | **C12** | **C13** | **C14** | **C15** | **C16** |
| 94.2 | 97.0 | 96.1 | 92.3 | 90.6 | 95.4 | 92.7 | 91.6 | 88.3 | 86.5 | 86.7 | 92.8 | 93.7 | 94.5 | 89.4 | 89.6 |

| TM30 | | | |
|---|---|---|---|
| Hue Bin | $R_f$ | Chroma | Hue |
| 1 | 94 | -1% | 1% |
| 2 | 97 | 0% | -1% |
| 3 | 96 | -1% | 0% |
| 4 | 92 | -4% | -2% |
| 5 | 91 | -6% | -1% |
| 6 | 95 | -3% | 1% |
| 7 | 93 | -4% | 3% |
| 8 | 92 | -3% | 5% |
| 9 | 88 | -1% | 9% |
| 10 | 87 | 0% | 9% |
| 11 | 87 | 4% | 8% |
| 12 | 93 | 3% | 2% |
| 13 | 94 | 2% | -2% |
| 14 | 94 | 1% | -1% |
| 15 | 89 | 2% | -4% |
| 16 | 90 | 1% | -5% |

**NOTES:**
- CRI R values, only R1-R8 are used to calculate RA CRI values
- TM30 C values, 16 binned values out of total of 99 C values
- CQS Q values
- Data subject to change, all data has +/- 5% tolerance

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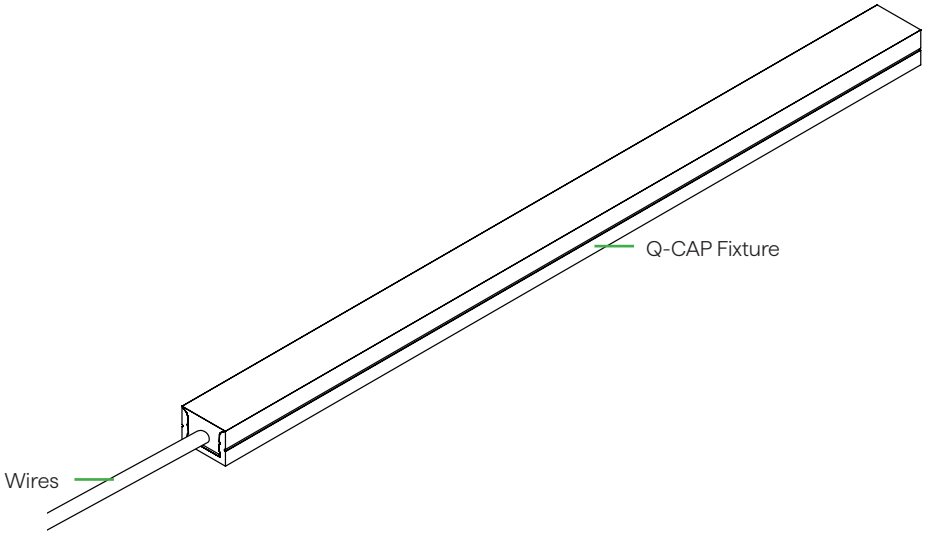
Specification subject to change. Rev-03-10-24

# MATERIAL RECYCLING

Q-CAP FLEXIBLE FIXTURES

You may be done with your products, but chances are they still have more to give. Follow these instructions to break down and sort recyclable components. Check with local recycling collection to ensure they accept the materials listed below.

Additionally, Q-Tran offers a Takeback Program. Contact factory for information.




E

Q-CAP Fixture
Wires

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