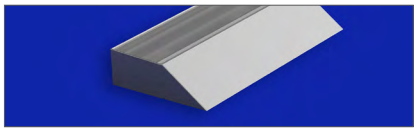
QUOVA PERFORMANCE FLOAT STATIC WHITE HIGH EFFICACY

Knife Edge Cove Fixture



- Pre-made cove lighting system with remote power
- Proprietary asymmetric optic delivers exceptional illumination with a 6:1 setback ratio
- Fine-tune the light direction with three aiming positions
- Modular design ensures easy installation
- Ideal for creating coves in areas without existing cove architecture
- Knife Edge design adds a clean, sharp architectural feature replacing traditional flat cove details

QUOVA ORDERING PROCESS

A Specify main housing
Housing will be shipped first

B Specify light engine
Light module lengths can be updated based on final field measurements if changes are requested prior to light module production.

A. MAIN HOUSING

A1 PRODUCT	A2 FINISH	A3 DUST COVER	A4 NUMBER OF TOTAL LENGTHS (EA)
QV-FLOAT	ST		

Sample Part Number: **QV-FLOAT-ST-N/A-98.43”**

A1 PRODUCT

QV-FLOAT

A2 FINISH

ST Satin

A3 OPTIONAL DUST COVER

N/A No Dust Cover
FR Frosted

NA recommended for optimal light output

A4 NUMBER OF TOTAL LENGTHS (EA)

Housing will be shipped in full 98.43" lengths to field cut unless otherwise specified. Enter decimal number for length less than 98.43".

If pre-cut piece is requested, fixture length min 12". Tolerance +0-1/8". Consult factory for lengths under 12".

Ordering options continued on next page

5 year warranty | Field modifications void warranty | Data subject to change, all data has +/- 5% tolerance | Compatible for use with QTL power supplies

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Specification subject to change. Rev-07-09-26

QUOVA PERFORMANCE FLOAT STATIC WHITE HIGH EFFICACY

Knife Edge Cove Fixture

B. LIGHT MODULE

B1 PRODUCT	B2 WATTS/FT	B3 CCT	B4 RATED	B5 OPTICS	B6 SECONDARY OPTICS	B7 WIRE INPUT/ OUTPUT	B8 CONNECTOR/ WIRE IN	B9 CONNECTOR/ WIRE OUT	B10 WIRE TYPE	B11 MOUNTING	B12 FINISH	B13 LENGTH (IN)
QV-FLOAT-SW			DRY	ASYM	N/A					PLC	ST	

Sample Part Number: **QV-FLOAT-SW-3.0HE-35-DRY-ASYM-N/A-S4B-CON6-CLS-CL2-PLC-ST-12.16"**

B1 PRODUCT

QV-FLOAT-SW
Constant Voltage
1 STEP

B2 WATTS/FT

1.5HE	1.5W/ft HE
3.0HE	3.0W/ft HE
6.0HE	6.0W/ft HE
9.0HE	9.0W/ft HE

B3 CCT

18	1800K
20	2000K
22	2200K
24	2400K
27	2700K
30	3000K
35	3500K
40	4000K

95+ CRI on 22-40K CCTs
90+ CRI on 20K CCT

B4 RATED

DRY IP20

B5 OPTICS

ASYM Asymmetric

B6 SECONDARY OPTICS

N/A No Secondary Optic

B7 WIRE INPUT/OUTPUT

S4A	Single (Input only) - Front Feed-Left Side
S4B	Single (Input only) - Front Feed-Right Side
P4A	Pass Through (Input/output) - Front Feed-Left Side
P4B	Pass Through (Input/output) - Front Feed-Right Side

B8 CONNECTOR/WIRE IN

BW	Bare Wire (Standard 24")
CON6	Connector 6"
CON24	Connector 24"

Connector/Wire In not needed to specify product.
Typical selection is 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")
CON6	Connector 6"
CON24	Connector 24"

Connector/Wire In not needed to specify product.
Typical selection is 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

CLS Closed End (No Feed)

BW	Bare Wire (Standard 24")
CON6	Connector 6"
CON24	Connector 24"

Connector/Wire In not needed to specify product.
Typical selection is BW.
BW: Standard length is 24", Max length is 120".
Request custom length by writing in part number next to BW (example: BW48)

B10 WIRE TYPE

CL2	Class2
CL2P	Plenum Rated

CL2P only available with bare wire leads (BW)

B11 MOUNTING

PLC Plastic Clip

B12 FINISH

ST Satin

B13 LENGTH (IN)

12.16"-98.16"

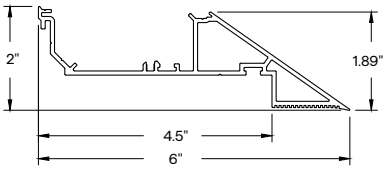
2" increments
Lengths for modules should be an even number and end in 0.16" to allow for end caps.
Fixture length min 12", Tolerance +0 – 1/8".
Consult factory for lengths under 12"

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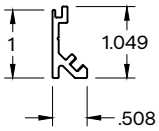
QUOVA PERFORMANCE FLOAT STATIC WHITE HIGH EFFICACY

Knife Edge Cove Fixture

A1 PRODUCT - DIMENSIONS



Profile of Main Housing



Mounting Cleat



Main Housing Mounting Screw

No.6 x 1-1/2" Long, Phillips Rounded Head Sheet Metal Screw
Offered 1 per 16"



Light Module Mounting Screw for Main Housing

8-32 x 3/16" Long, Phillips Pan Head Metal Screw
Offered 1 per 16"



Dry Wall Screw

No.6 x 1-1/8" Long
Offered 1 per 16"

A2 FINISH

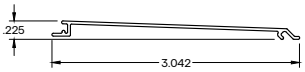
Satin

A3 DUST COVER

Frosted

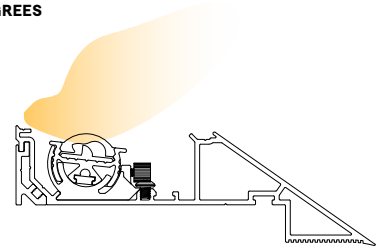


Optional Dust Cover Locking Screw
No.4 x 1/4" Long, Phillips Rounded Head Sheet Metal Screw
Offered 1 per 2'

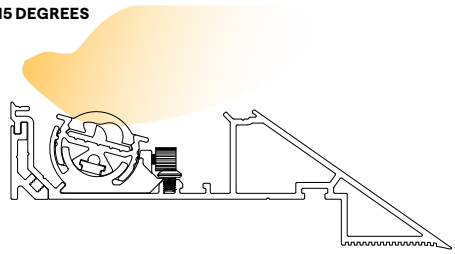


LIGHT MODULE CONFIGURATION OPTIONS

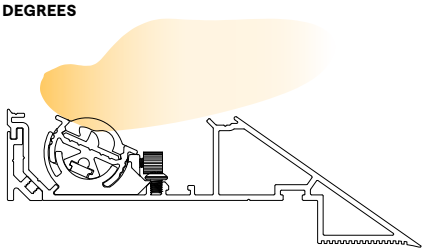
6 DEGREES



15 DEGREES



24 DEGREES



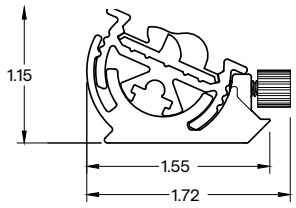
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Specification subject to change. Rev-07-09-26

QUOVA PERFORMANCE FLOAT STATIC WHITE HIGH EFFICACY

Knife Edge Cove Fixture

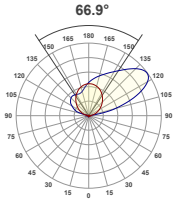
B1 PRODUCT - DIMENSIONS



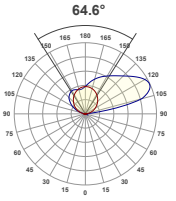
Profile of Light Module

B5 OPTICS

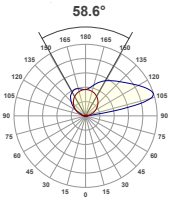
Nominal beam spreads shown, beam spread varies based on light engine.
For more detailed information, see photometric data.
Optics examples shown QV-SM-ST-NA-**-QV-SM-SW-6.0HE-30-DRY-ASYM



ASYM
6 Degrees



ASYM
15 Degrees

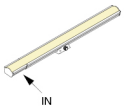


ASYM
24 Degrees

B7 WIRE INPUT/OUTPUT

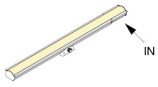
ASYMMETRIC ONLY SINGLE (Input)

S4A



Front Feed -
Left Side

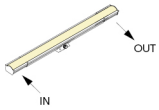
S4B



Front Feed -
Right Side

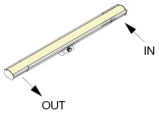
ASYMMETRIC ONLY PASS THROUGH (Input/Output)

P4A



Front Feed -
Left Side

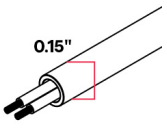
P4B



Front Feed -
Right Side

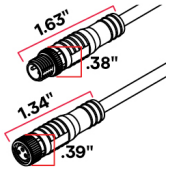
B8/B9 CONNECTOR/WIRE – IN/OUT

BW



Bare Wire 24"
22 AWG

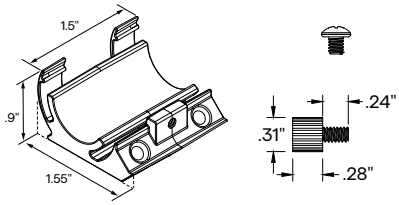
CON6/CON24



6" or 24" Overall
Wire Connector | 22 AWG
UL Listed

B11 LIGHT MODULE MOUNTING

PLC



Light Module Mounting Clip
2 pcs for each fixture less than 5'
3 pcs for each fixture longer than 5'

Light Module Mounting Screw for Plastic Clip

8-32 x 3/16" Long, Phillips Pan Head Metal Screw
Offered 2 per Plastic Clip

Knurled Head Thumb Screw
Pre-installed to Plastic Clip

B12 FINISH

Satin

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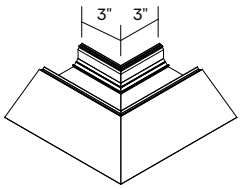
Specification subject to change. Rev-07-09-26

QUOVA PERFORMANCE FLOAT STATIC WHITE HIGH EFFICACY

Knife Edge Cove Fixture

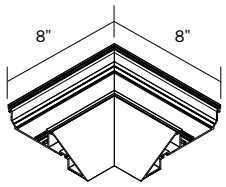
CORNERS

QV-FLOAT-CORNER-O



Outside Corner
Pre-mitered, assembled in the factory
All lengths are for wall space allotments
All brackets are included with pre-mitered corner

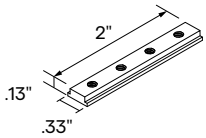
QV-FLOAT-CORNER-I



Inside Corner
Pre-mitered, assembled in the factory
All lengths are for wall space allotments
All brackets are included with pre-mitered corner

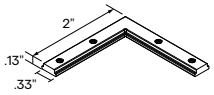
JOINER/CONNECTORS

QV-P-INLINE-BR



Inline Bracket
2 per main housing length

QV-P-CORNER-BR

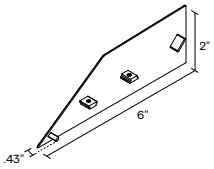


Corner Bottom Bracket
2 included with pre-mitered corner
Sold separately for field cut corner

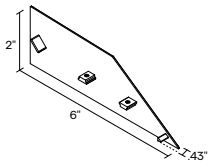
EXTERNAL END CAPS

Pair of end caps sold separately

QV-FLOAT-EC-ST



Left Endcap



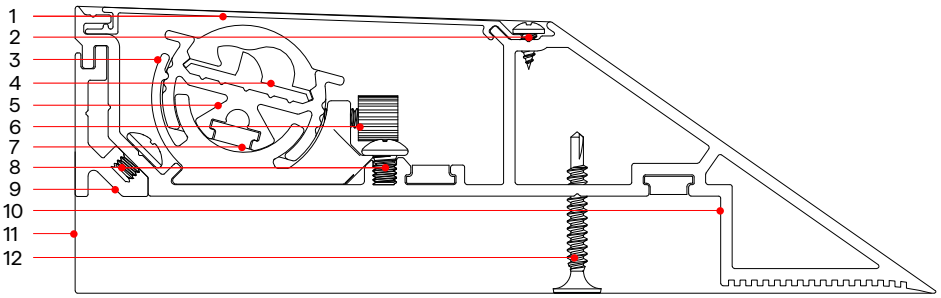
Right Endcap

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QUOVA PERFORMANCE FLOAT STATIC WHITE HIGH EFFICACY

Knife Edge Cove Fixture

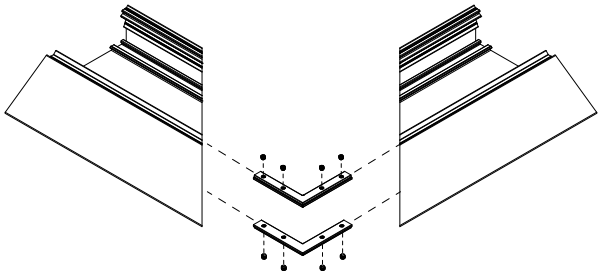
FIXTURE ASSEMBLY



1. Dust Cover (Optional)
2. Dust Cover Screw(Optional)
3. Plastic Clip
4. Optic
5. Light Module
6. Thumb Screw
7. Light Module Endcap
8. Light Module Mounting Screw
9. Cleat
10. Main Housing
11. Housing Endcap
12. Drywall Screw

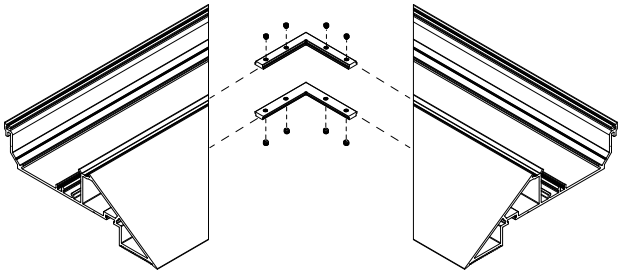
CORNER ASSEMBLY

QV-FLOAT-CORNER-O



Outside Corner Assembly
Pre-mitered, assembled in the factory

QV-FLOAT-CORNER-I



Inside Corner Assembly
Pre-mitered, assembled in the factory

TECHNICAL INFORMATION

[Calculated L70 = 70000 hrs]
Tested with QV-FLOAT-**-**-30-DRY-ASYM

With Dust Cover								
SW-HE	1.5HE W/FT		3.0HE W/FT		6.0HE W/FT		9.0HE W/FT	
	LM/FT	CRI	LM/FT	CRI	LM/FT	CRI	LM/FT	CRI
6°	115	98	218	98	470	98	665	98
15°	114	98	207	98	448	98	636	98
24°	103	98	193	98	418	98	593	98

SW-HE CCT Multiplier	
1800K	**
2000K	0.87
2200K	0.88
2400K	0.93
2700K	0.99
3000K	1.00
3500K	1.08
4000K	1.09

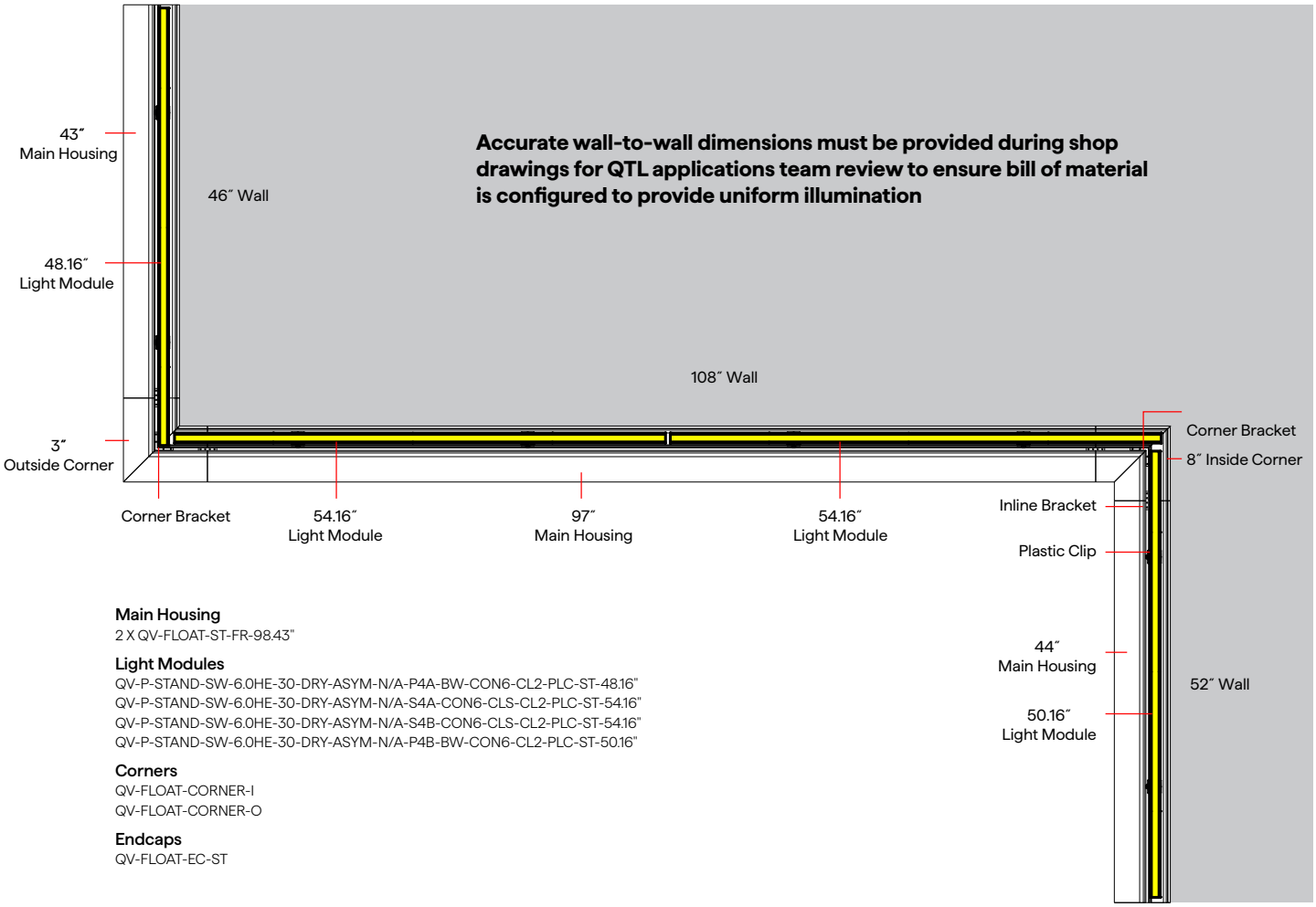
Without Dust Cover								
SW-HE	1.5HE W/FT		3.0HE W/FT		6.0HE W/FT		9.0HE W/FT	
	LM/FT	CRI	LM/FT	CRI	LM/FT	CRI	LM/FT	CRI
6°	136	98	261	98	560	98	794	98
15°	136	98	250	98	538	98	772	98
24°	124	98	233	98	502	98	715	98

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QUOVA PERFORMANCE FLOAT STATIC WHITE HIGH EFFICACY

Knife Edge Cove Fixture

ORDER EXAMPLE:



Accurate wall-to-wall dimensions must be provided during shop drawings for QTL applications team review to ensure bill of material is configured to provide uniform illumination

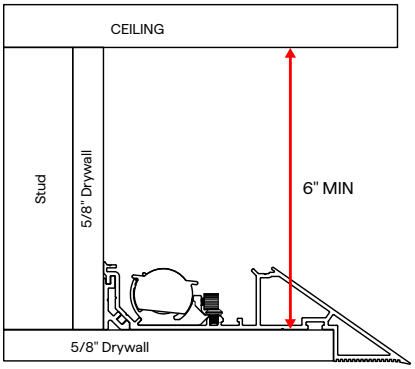
Main Housing
2 X QV-FLOAT-ST-FR-98.43"

Light Modules
QV-P-STAND-SW-6.0HE-30-DRY-ASYM-N/A-P4A-BW-CON6-CL2-PLC-ST-48.16"
QV-P-STAND-SW-6.0HE-30-DRY-ASYM-N/A-S4A-CON6-CLS-CL2-PLC-ST-54.16"
QV-P-STAND-SW-6.0HE-30-DRY-ASYM-N/A-S4B-CON6-CLS-CL2-PLC-ST-54.16"
QV-P-STAND-SW-6.0HE-30-DRY-ASYM-N/A-P4B-BW-CON6-CL2-PLC-ST-50.16"

Corners
QV-FLOAT-CORNER-I
QV-FLOAT-CORNER-O

Endcaps
QV-FLOAT-EC-ST

QTL RECOMMENDATIONS



For optimal lighting we suggest installing QUOVA 6"MIN from the height of the ceiling

Maximum Recommended Length Table	
Constant Voltage	
Wattage	Max Run (in)
1.5HE	768
3.0HE	384
6.0HE	192
9.0HE	128

*Maximum length assuming 96W class 2 power supply

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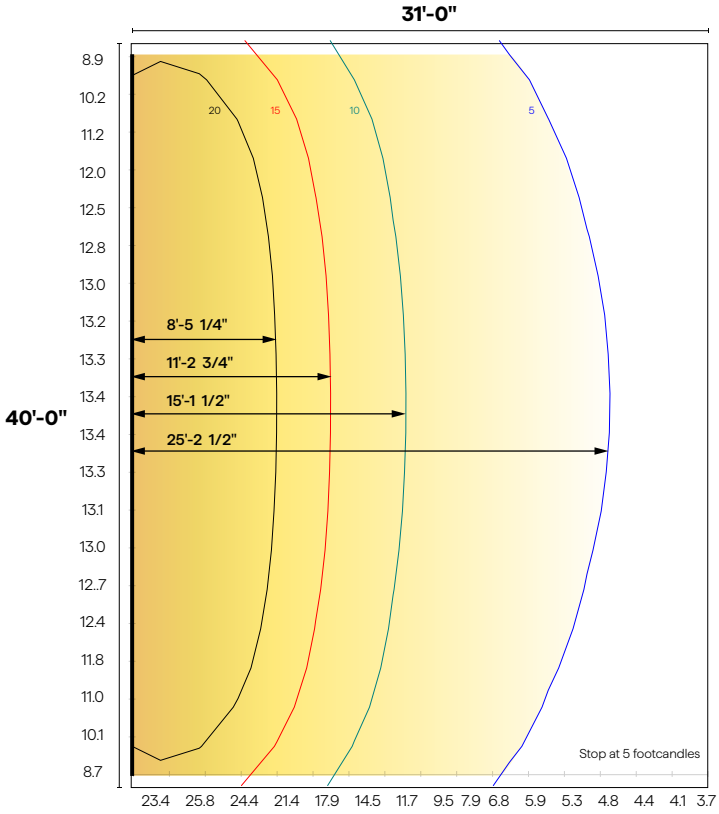
QUOVA PERFORMANCE FLOAT STATIC WHITE HIGH EFFICACY

Knife Edge Cove Fixture

COVE LIGHT AT 12″ BELOW CEILING

PERFORMANCE AT WORKPLANE 2’-6” AFF

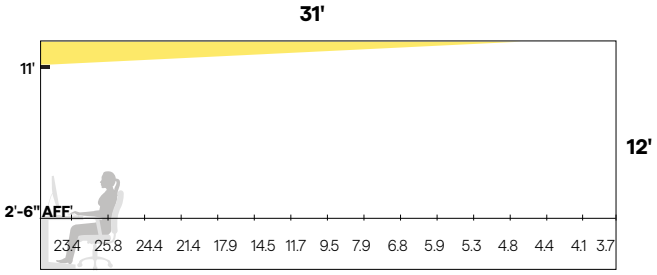
QV-P-STAND-SW-9.0HE-30-DRY-ASYM-N/A-24°



Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Quova-24_Workplane	Illuminance	Fc	12.02	28.8	3.0	4.01	9.60

Reflectance and dimensions:

- Floor (0.2)
- Walls (0.5)
- Ceiling (0.8)
- Ceiling Height: 12'-0"
- Mounting Height: 11'-0"
- Point Spacing: 2'-0"
- Calculation Points Location: Workplane 2'-6" AFF



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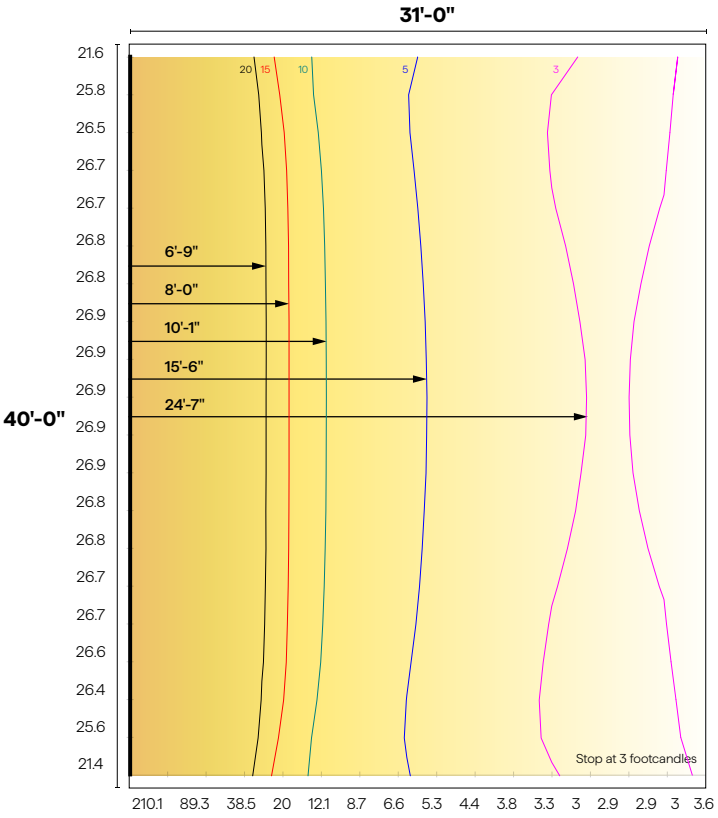
QUOVA PERFORMANCE FLOAT STATIC WHITE HIGH EFFICACY

Knife Edge Cove Fixture

COVE LIGHT AT 12″ BELOW CEILING

PERFORMANCE AT CEILING

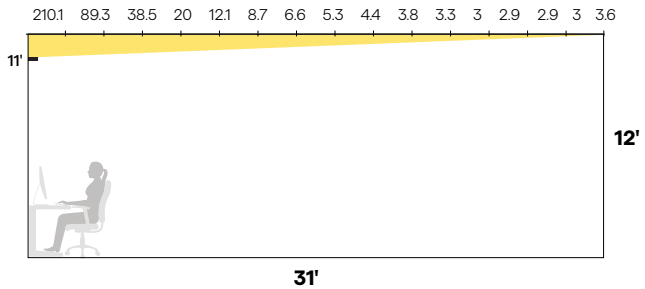
QV-P-STAND-SW-9.0HE-30-DRY-ASYM-N/A-24°



Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Quova-24_Ceiling	Illuminance	Fc	26.1	215.2	2.7	9.7	79.7

Reflectance and dimensions:

- Floor (0.2)
- Walls (0.5)
- Ceiling (0.8)
- Ceiling Height: 12'-0"
- Mounting Height: 11'-0"
- Point Spacing: 2'-0"
- Calculation Points Location: Ceiling



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QUOVA PERFORMANCE FLOAT STATIC WHITE HIGH EFFICACY

Knife Edge Cove Fixture

COMPATIBLE POWER SUPPLIES

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

DIM TO LEVEL	INDOOR
	SW24/5.0, SW-HE, SW-HE+
Dim to Black	Q6M-DC+CAP QTM-DC+CAP iQ-PH+QD1
0.1%	QT-CAB-QZ-PH/0-10V QT-CAB-eLED+0-10V QT-CAB-eLED+0-10V-AWN QT-CAB-eLED+DALI-DT6 QT-CAB-eLED+DALI-DT6-AWN QTM-eLED+0-10V QTM-eLED+0-10V-AWN QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT6-AWN QZ-BOWTIE+DIMMER QZ-DMX QZ-PRO-PH/0-10V QZ-STICK-PH/0-10V QZLP
1%	Q-DIM QTM-eLED(E) QZ-DALI-DT6
10%	Non-Dim Power Supply with SW App Dongle

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

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QUOVA PERFORMANCE - FLOAT

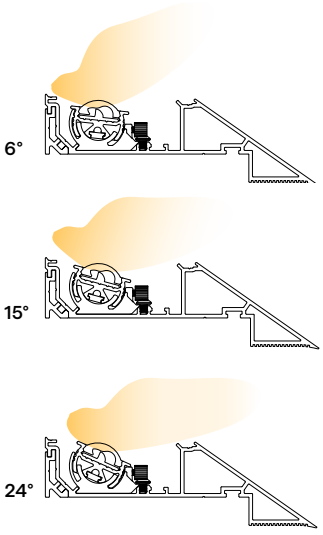
Performance Cove Fixture

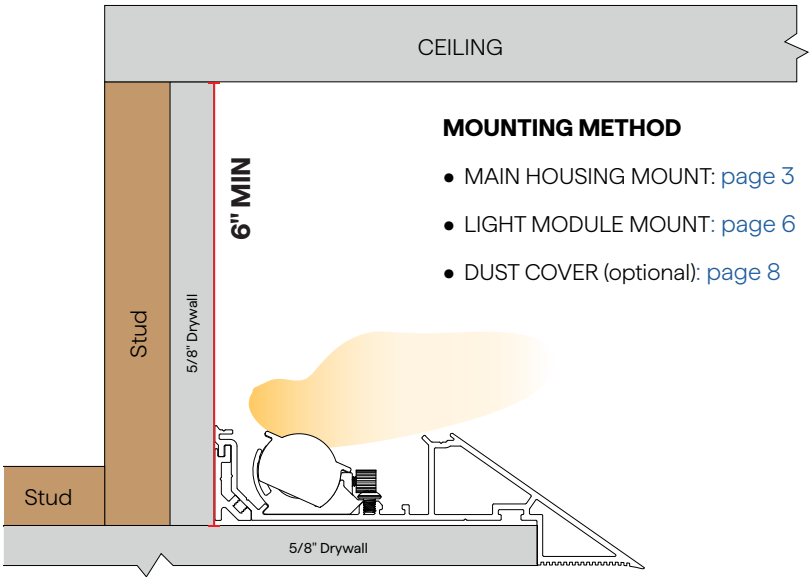
ATTENTION: Please read all instructions BEFORE installation

- Product to be installed by a licensed electrician - Field modifications void warranty
- Use only with Class 2 power supply unit — Compatible for use with QTL power supplies
- Knife edge cove mount
- Input Voltage: 24VDC
- Diagrams for representation only and not to scale.

METHODS OF INSTALLATION

LIGHT MODULE CONFIGURATION OPTIONS





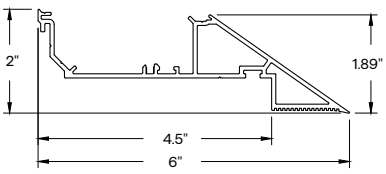
MOUNTING METHOD

- MAIN HOUSING MOUNT: page 3
- LIGHT MODULE MOUNT: page 6
- DUST COVER (optional): page 8

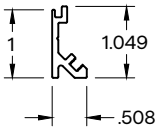
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QUOVA PERFORMANCE - FLOAT

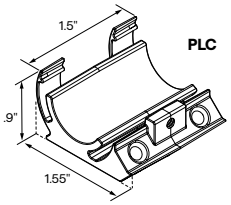
Performance Cove Fixture



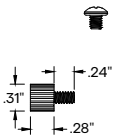
Profile of Main Housing



Mounting Cleat



Light Module Mounting Clip
2 pcs for each fixture less than 5'
3 pcs for each fixture longer than 5'

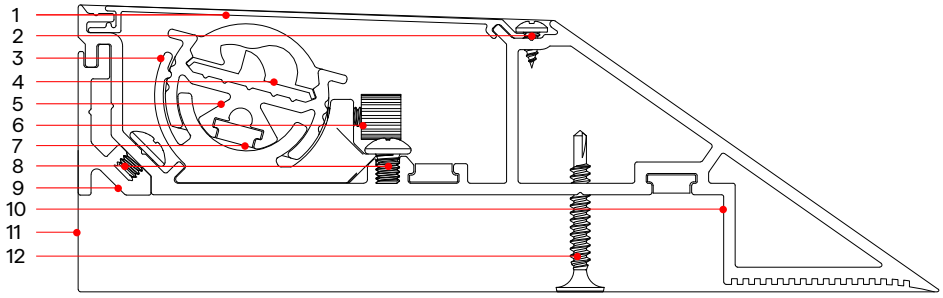


Light Module Mounting Screw for Plastic Clip

8-32 x 3/16" Long, Phillips Pan Head Metal Screw
Offered 2 per Plastic Clip

Knurled Head Thumb Screw
Pre-installed to Plastic Clip

COMPONENTS & HARDWARE





Main Housing Mounting Screw

No.6 x 1-1/2" Long, Phillips Rounded Head Sheet Metal Screw
Offered 1 per 16"



Light Module Mounting Screw for Main Housing

8-32 x 3/16" Long, Phillips Pan Head Metal Screw
Offered 1 per 16"

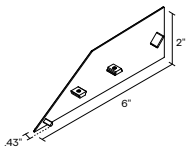


Dry Wall Screw

No.6 x 1-1/8" Long
Offered 1 per 16"

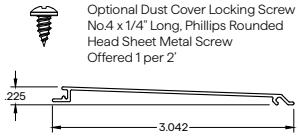
1. Dust Cover (Optional)
2. Dust Cover Screw(Optional)
3. Plastic Clip
4. Optic
5. Light Module
6. Thumb Screw
7. Light Module Endcap
8. Light Module Mounting Screw
9. Cleat
10. Main Housing
11. Housing Endcap
12. Drywall Screw

END CAPS

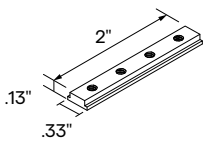
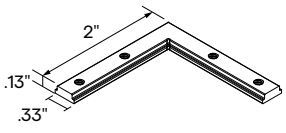
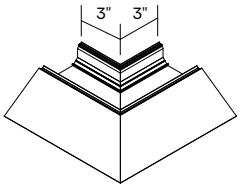
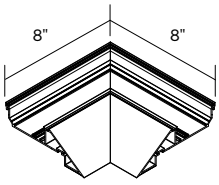


External End caps
Pair of end caps sold separately

DUST COVER



Optional Dust Cover Locking Screw
No.4 x 1/4" Long, Phillips Rounded Head Sheet Metal Screw
Offered 1 per 2'

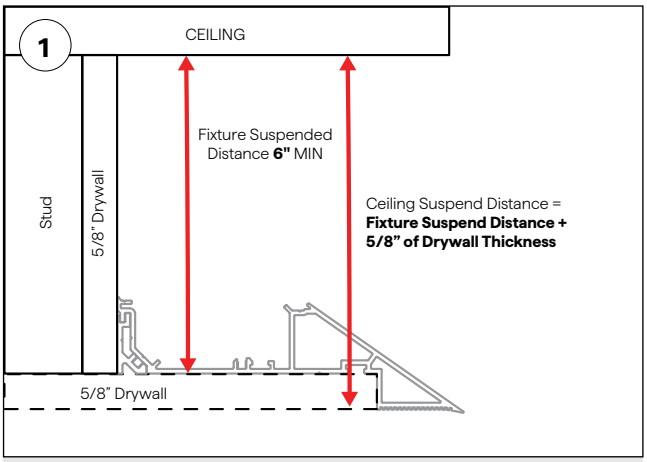
JOINER/CONNECTORS		CORNERS	
INLINE BRACKET; sold individually	CORNER BOTTOM BRACKET; sold individually	OUTSIDE CORNER; sold individually	INSIDE CORNER; sold individually
			
2 per main housing length & 2 per corner included	2 included with pre-mitered corner Sold separately for field cut corner	Pre-mitered, assembled in the field All lengths are for wall space allotments All brackets are included with pre-mitered corner	Pre-mitered, assembled in the field All lengths are for wall space allotments All brackets are included with pre-mitered corner

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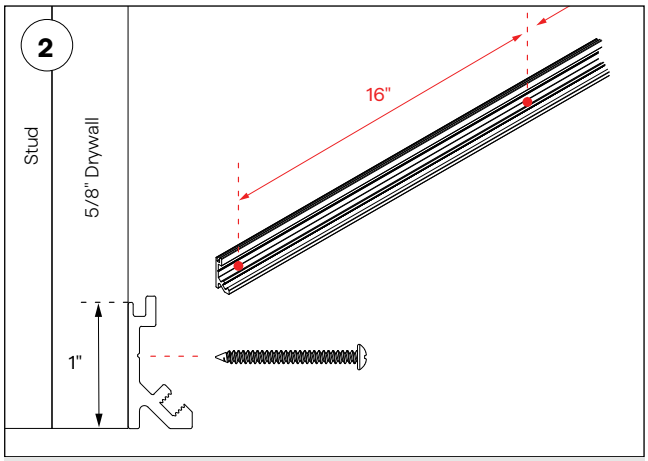
QUOVA PERFORMANCE - FLOAT

Performance Cove Fixture

MOUNTING METHOD: **MAIN HOUSING MOUNT**



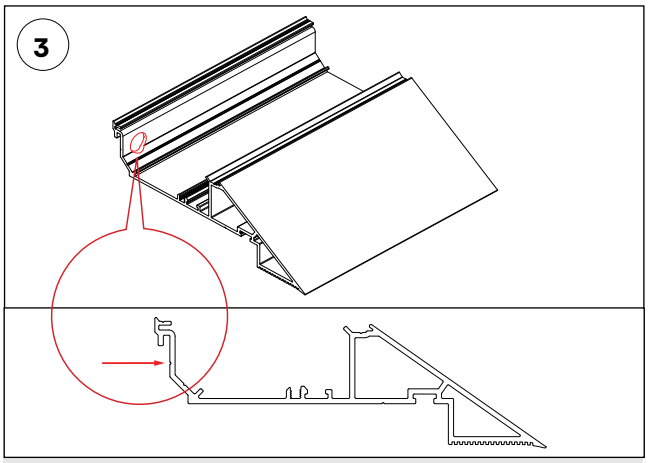
- Determine the ceiling suspend distance, then install the vertical studs and drywalls to be 5/8" shorter than the ceiling suspend distance.



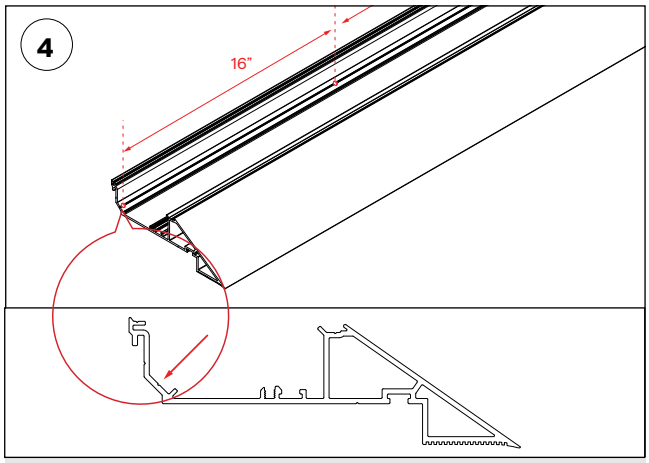
a. Pre-drill pass through holes on the cleat every 16"

b. Hold the cleat to match the bottom of the vertical studs and drywalls, drill pilot holes into the stud through the pass through holes, then install mounting screws

NOTE: Maintain a space between cleat sections to make way for the wire exit see step 3.



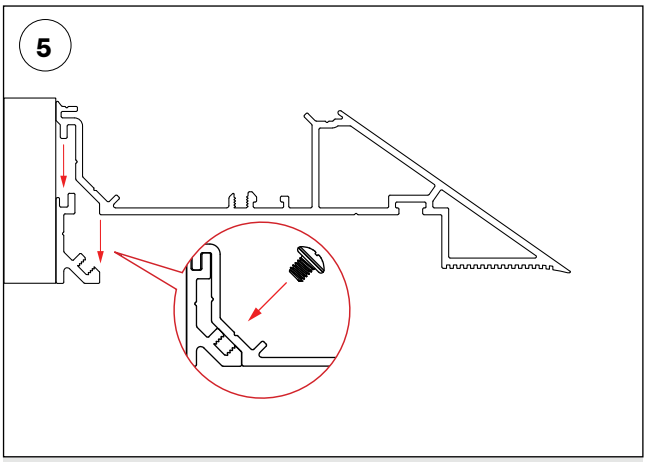
- Drill 1/2" wire feed hole on the main housing to match the wire feed location on the mounting surface



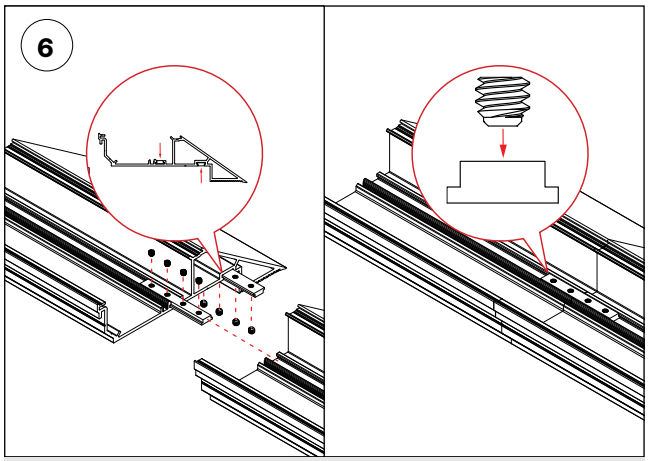
- Drill pass through holes at 45° for main housing mounting screw, 1 hole per 16"

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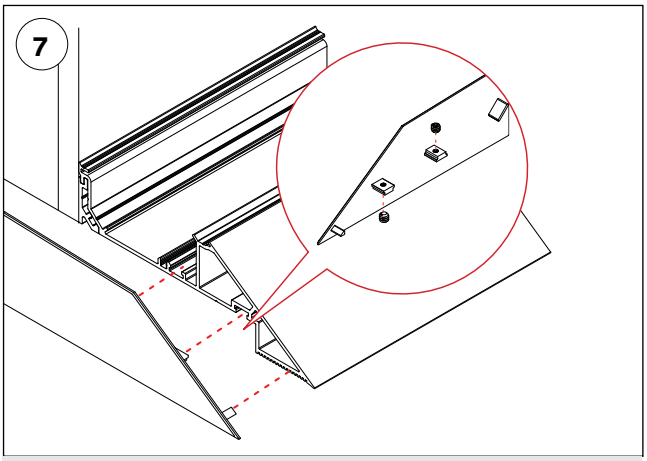
MOUNTING METHOD: **MAIN HOUSING MOUNT**



- Start from main housing corners and fill in with straight main housing sections
- Drop the main housing into the cleat, then install the main housing mounting screw to secure the main housing to the cleat

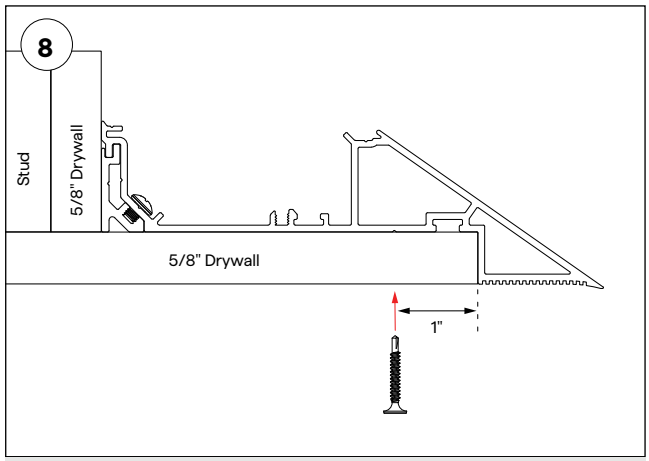


- When mounting the second or additional sections in a continuous run loosen and move Inline Brackets to be in between of where two sections meet, then tighten the inline brackets.



- Install the (optional) endcap by placing them on the ends of the main housing and tightening the set screws.

NOTE: Endcaps could also be installed prior to mounting the Main Housings.



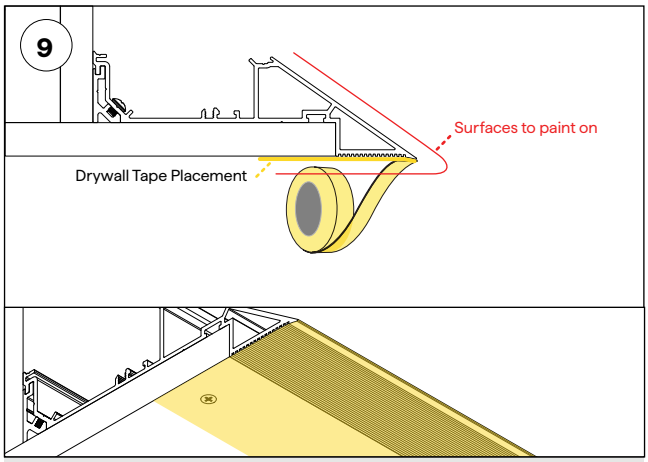
- Install the bottom drywall, secure the bottom drywall to the Main Housing with self-drilling drywall screw, at 1" away from the edge of bottom drywall, 1 screw per 16"

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QUOVA PERFORMANCE - FLOAT

Performance Cove Fixture

MOUNTING METHOD: **MAIN HOUSING MOUNT**



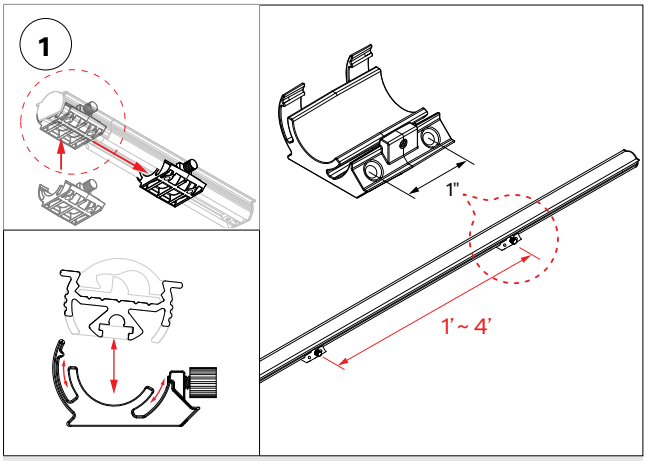
- Place drywall tape over where the main housing meets the bottom drywall, apply joint compound, allow to dry, sand and repeat as neccessary once completed, apply primer and paint

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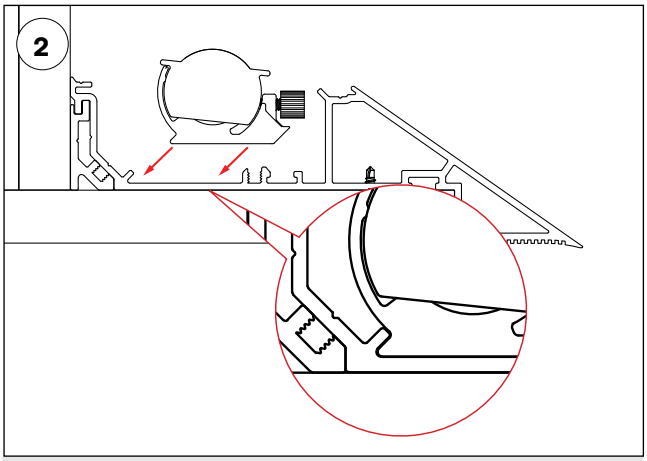
QUOVA PERFORMANCE - FLOAT

Performance Cove Fixture

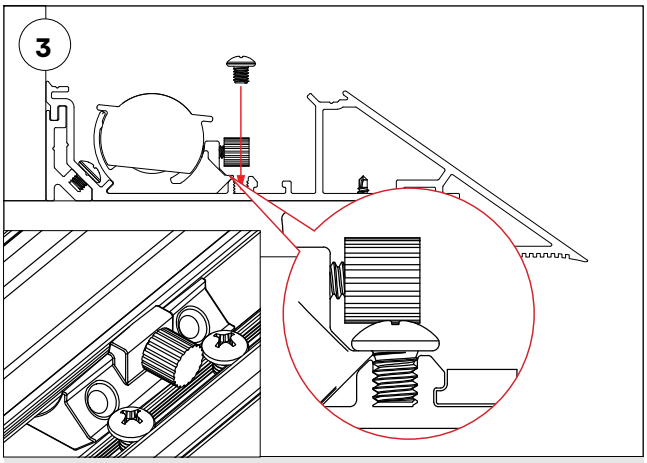
MOUNTING METHOD: **LIGHT MODULE MOUNT**



- Snap in plastic clips from the bottom of the seamless connector, then slide them to the fixture's main body.
- Insert 2 clips for fixtures shorter than 5',
  Insert 3 clips for fixtures longer than 5'
- Plastic clips should be between 1' and 4' from each other and located towards the center of the fixture length.



- Drop in the light module for the plastic clip to engage with the main housing.
- The plastic clip's back section should engage with the Main Housing at a 45° angle.

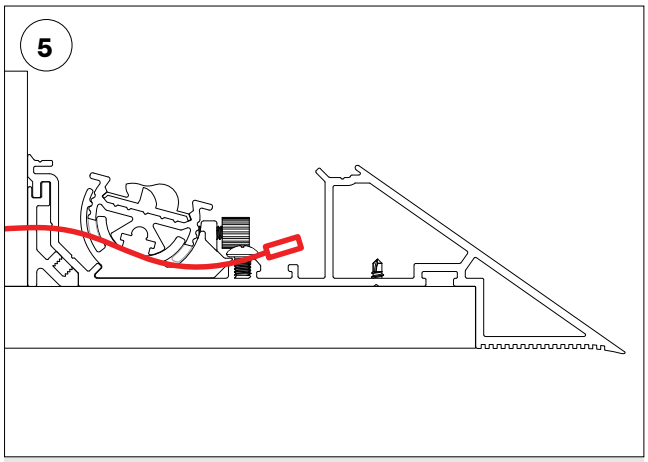


- Install the light module mounting screw vertically to the main housing, to lock the plastic clip in place.

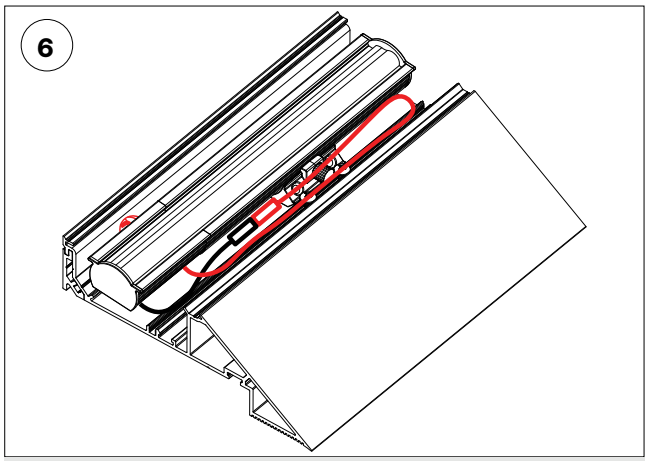
NOTE: 2 screws per plastic clip; one screw on each side of the clip.

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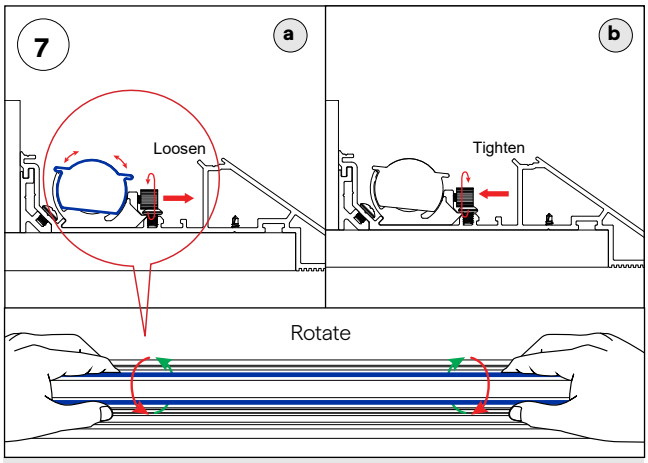
MOUNTING METHOD: **LIGHT MODULE MOUNT**



- Run the power supply wire **only under** the Seamless Connector



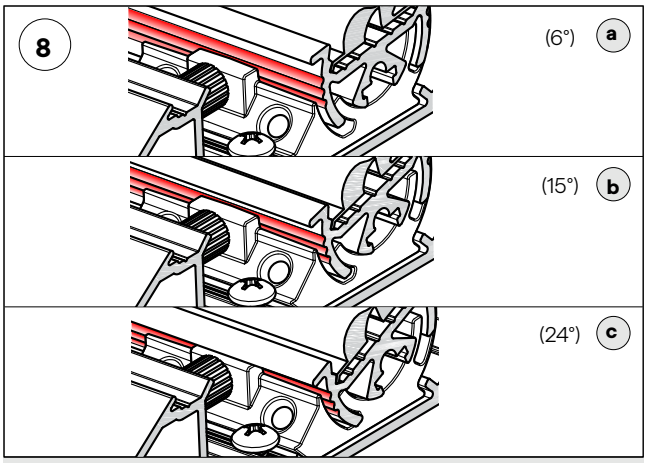
- Make the wire connection to the light module wires.



Adjust Rotate Angles:

a. Loosen the thumb screw and press on the inner fixture's flanges to rotate.

b. Tighten the thumb screw to lock the fixture.



Adjust the light module to the desired position:
Using The Plastic Clip's shoulder and the Light Module's grooves as visual reference

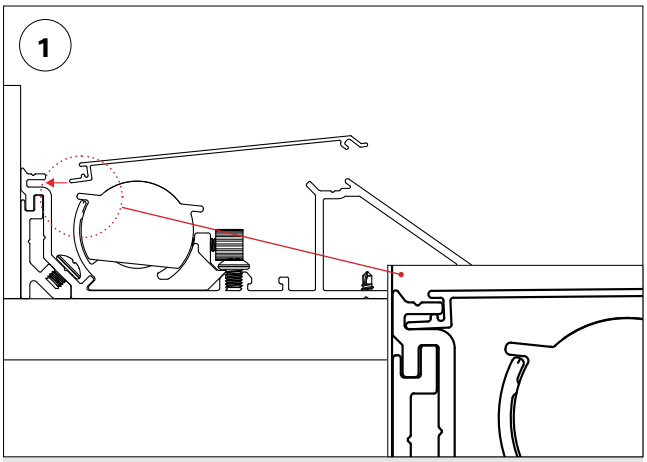
a. Light module at 6 degrees (6°).

b. Light module at 15 degrees (15°).

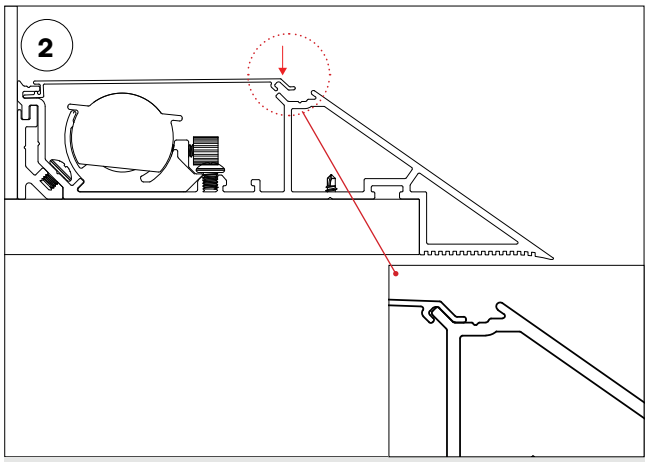
c. Light module at 24 degrees (24°).

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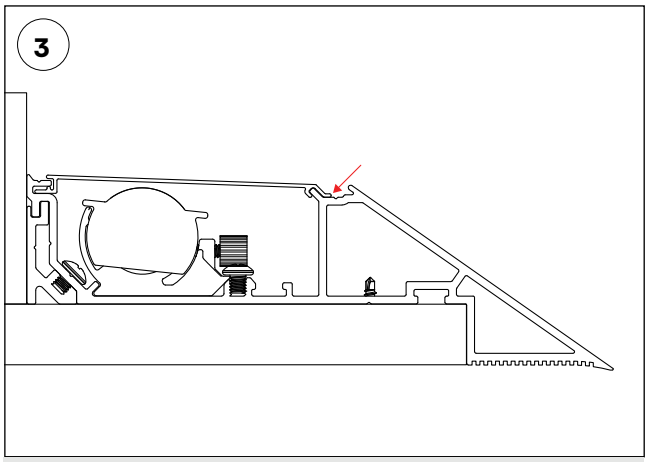
MOUNTING METHOD: **DUST COVER (OPTIONAL)**



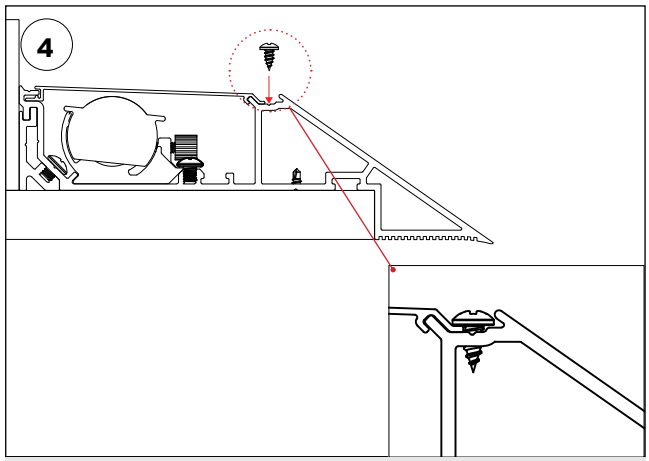
- Push the dust cover's back section into the main housing's engagement slot



- Gently press on the dust cover's front section to engage with main housing



- To take out the dust cover, push to pick up the dust cover's front section, then pull to take out the dust cover's back section.



- Install dust cover locking screws to fully secure dust cover, *1 screw per 24" (optional).*

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