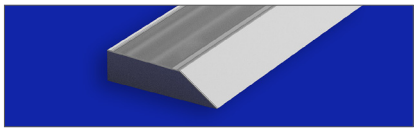
QUOVA PERFORMANCE SMOOTH/MUDIN WARM DIM APPLICATIONS

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 modified based on installed housing lengths if changes are requested prior to light module production, allowing for precise fit.

A. MAIN HOUSING

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

Sample Part Number: **QV-SM-ST-N/A-98.43"**

A1 PRODUCT

QV-SM	Smooth Main Housing
QV-MDIN	Mud in Main Housing

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-04-02-26

QUOVA PERFORMANCE SMOOTH/MUDIN WARM DIM APPLICATIONS

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 SCONNECTOR/ WIRE OUT	B10 WIRE TYPE	B11 MOUNTING	B12 FINISH	B13 LENGTH (IN)
QV-SM-DW			DRY	ASYM	N/A					PLC	ST	

Sample Part Number: **QV-SM-DW-2.5HE-20/27-DRY-ASYM-N/A-S4B-CON6-CLS-CL2-PLC-ST-12.16"**

B1 PRODUCT

QV-SM-DW
Constant Voltage

LED engine is built with 3 wires requiring 0-10V, DMX or DALI control. Using DALI, DMX, or non QTL power supplies may double watts/ft. See following pages for compatible power supplies.

B2 WATTS/FT

1.5HE	1.5W/ft HE
2.5HE	2.5W/ft HE
4.0HE	4.0W/ft HE

B3 CCT

18/30	1800K/3000K
18/35	1800K/3500K
20/27	2000K/2700K
20/30	2000K/3000K
24/40	2400K/4000K
27/40	2700K/4000K
27/55	2700K/5500K

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"-98"

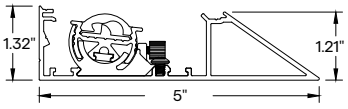
2" increments
Fixture length min 12", Tolerance +0 – 1/8".
Consult factory for lengths under 12"

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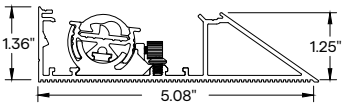
QUOVA PERFORMANCE SMOOTH/MUDIN WARM DIM APPLICATIONS

Knife Edge Cove Fixture

A1 PRODUCT - DIMENSIONS



Profile of Smooth Main Housing



Profile of Mud in Main Housing



Main Housing Mounting Screw

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

A2 FINISH

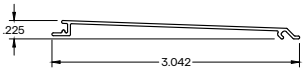
Satin

A3 DUST COVER

Frosted



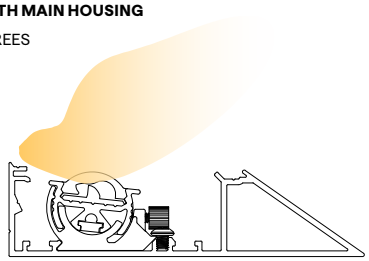
Optional Dust Cover Locking Screw
No.4 x 1/4" Long, Phillips Rounded Head Sheet Metal Screw
Offered 1 per 2'



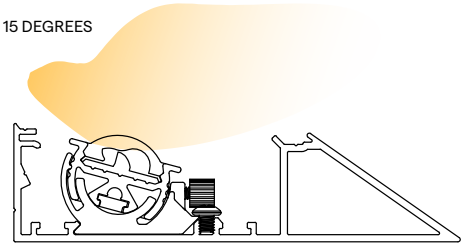
LIGHT MODULE CONFIGURATION OPTIONS

SMOOTH MAIN HOUSING

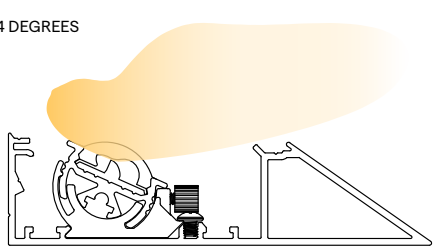
6 DEGREES



15 DEGREES

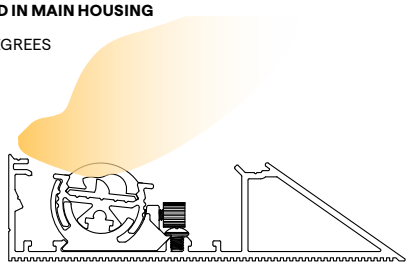


24 DEGREES

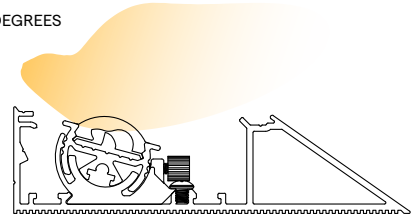


MUD IN MAIN HOUSING

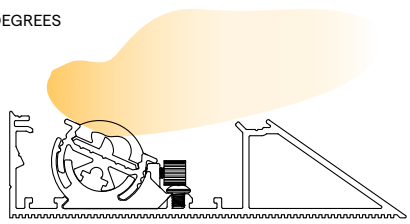
6 DEGREES



15 DEGREES



24 DEGREES



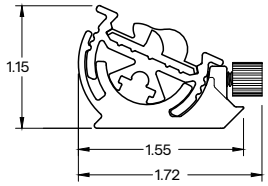
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Specification subject to change. Rev-04-02-26

QUOVA PERFORMANCE SMOOTH/MUDIN WARM DIM APPLICATIONS

Knife Edge Cove Fixture

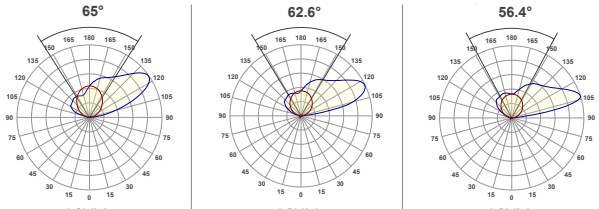
B1 PRODUCT - DIMENSIONS



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-DW-2.5HE-20/30-DRY-ASYM



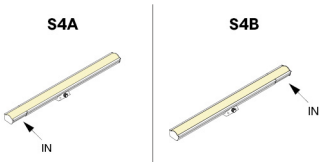
ASYM
6 Degrees

ASYM
15 Degrees

ASYM
24 Degrees

B7 WIRE INPUT/OUTPUT

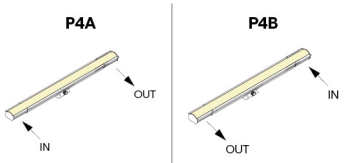
ASYMMETRIC ONLY SINGLE (Input)



Front Feed -
Left Side

Front Feed -
Right Side

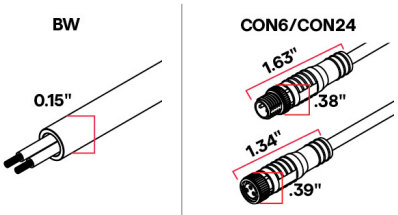
ASYMMETRIC ONLY PASS THROUGH (Input/Output)



Front Feed -
Left Side

Front Feed -
Right Side

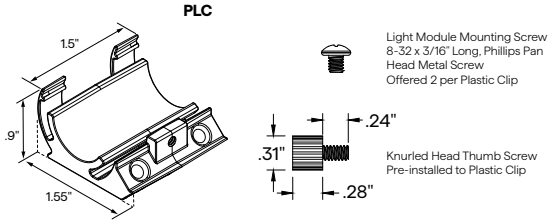
B8/B9 CONNECTOR/WIRE – IN/OUT



Bare Wire 24"
22 AWG

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

B11 LIGHT MODULE MOUNTING



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

B12 FINISH

Satin

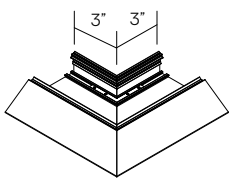
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QUOVA PERFORMANCE SMOOTH/MUDIN WARM DIM APPLICATIONS

Knife Edge Cove Fixture

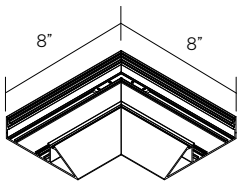
CORNERS

QV-SM-CORNER-O



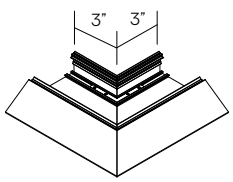
Outside Corner
Pre-mitered, assembled in the factory
All lengths are for wall space allotments
All brackets are included with pre-mitered corner

QV-SM-CORNER-I



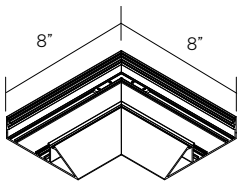
Inside Corner
Pre-mitered, assembled in the factory
All lengths are for wall space allotments
All brackets are included with pre-mitered corner

QV-MDIN-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

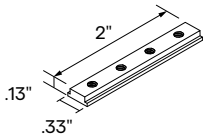
QV-MDIN-CORNER-I



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

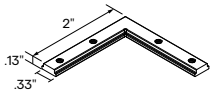
JOINER/CONNECTORS

QV-P-INLINE-BR



Inline Bracket
2 per main housing length

QV-P-CORNER-BR

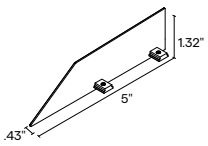


Corner Bottom Bracket
2 included with pre-mitered corner
Sold separately for field cut corner

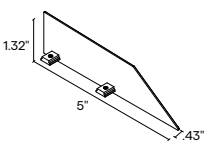
EXTERNAL END CAPS

Pair of end caps sold separately

QV-SM-MDIN-EC-ST



Left Endcap



Right Endcap

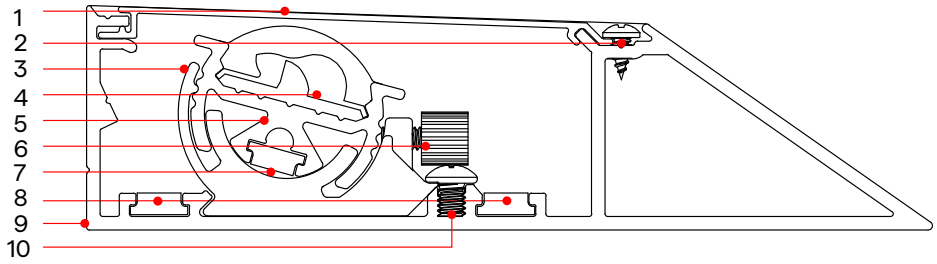
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QUOVA PERFORMANCE SMOOTH/MUDIN WARM DIM APPLICATIONS

Knife Edge Cove Fixture

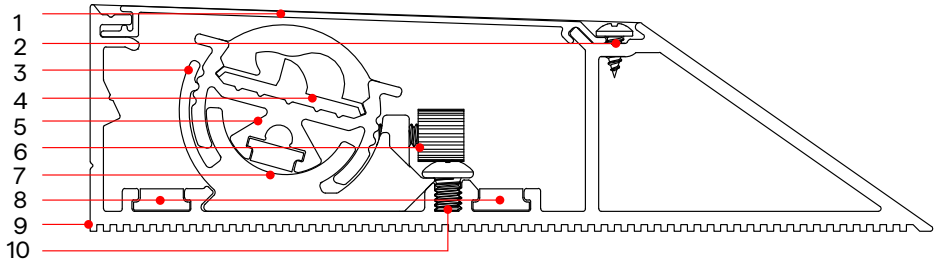
FIXTURE ASSEMBLY

SMOOTH MAIN HOUSING



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. Housing Endcap
9. Main Housing
10. Light Module Mounting Screw

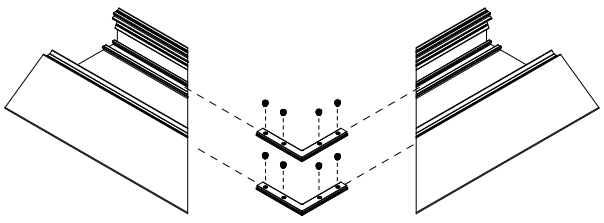
MUD IN MAIN HOUSING



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. Housing Endcap
9. Main Housing
10. Light Module Mounting Screw

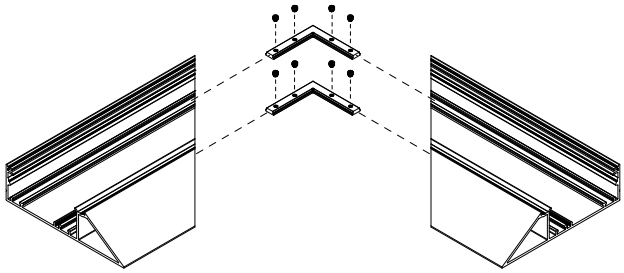
CORNER ASSEMBLY

QV-SM-CORNER-O



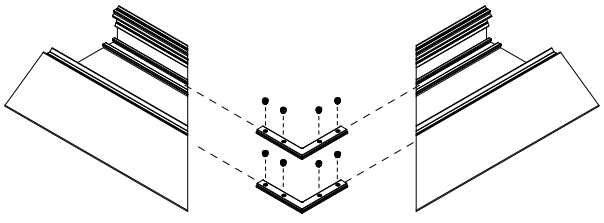
Outside Corner Assembly
Pre-mitered, assembled in the factory

QV-SM-CORNER-I



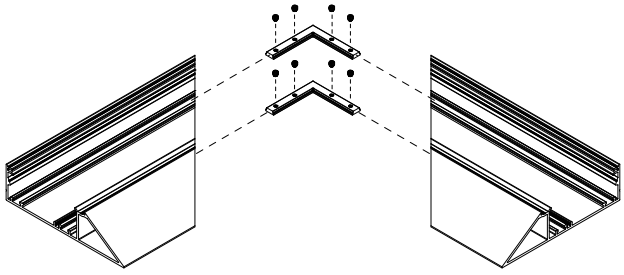
Inside Corner Assembly
Pre-mitered, assembled in the factory

QV-MDIN-CORNER-O



Outside Corner Assembly
Pre-mitered, assembled in the factory

QV-MDIN-CORNER-I



Inside Corner Assembly
Pre-mitered, assembled in the factory

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QUOVA PERFORMANCE SMOOTH/MUDIN WARM DIM APPLICATIONS

Knife Edge Cove Fixture

TECHNICAL INFORMATION

[Calculated L70 = 70000 hrs]
Tested with QV-SM-**-**-20/30-DRY-ASYM

With Dust Cover						
DW-HE	1.5HE W/FT		2.5HE W/FT		4.0HE W/FT	
	LM/FT	CRI	LM/FT	CRI	LM/FT	CRI
6°	105	98	158	98	227	98
15°	101	98	152	98	216	98
24°	94	98	142	98	201	98

Without Dust Cover						
DW-HE	1.5HE W/FT		2.5HE W/FT		4.0HE W/FT	
	LM/FT	CRI	LM/FT	CRI	LM/FT	CRI
6°	125	98	188	98	269	98
15°	121	98	183	98	259	98
24°	113	98	170	98	241	98

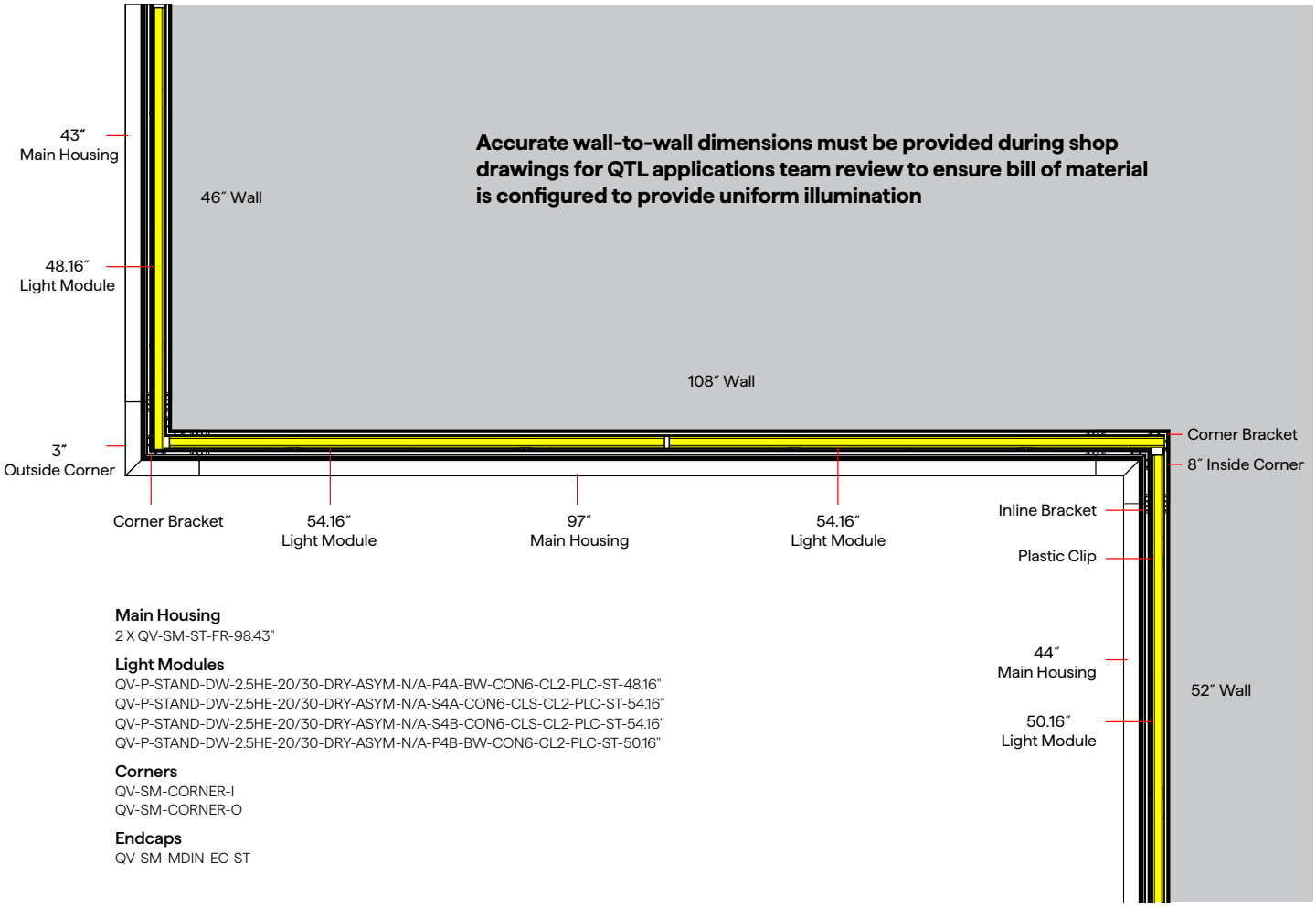
DW-HE CCT Multiplier	
1800K	**
2000K	0.86
2400K	**
2700K	0.99
3000K	1.00
3500K	**
4000K	1.08
5500K	1.14

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QUOVA PERFORMANCE SMOOTH/MUDIN WARM DIM APPLICATIONS

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-SM-ST-FR-98.43"

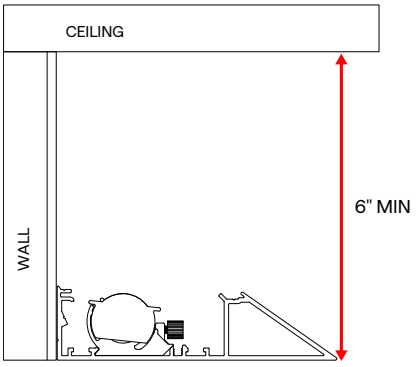
Light Modules
QV-P-STAND-DW-2.5HE-20/30-DRY-ASYM-N/A-P4A-BW-CON6-CL2-PLC-ST-48.16"
QV-P-STAND-DW-2.5HE-20/30-DRY-ASYM-N/A-S4A-CON6-CLS-CL2-PLC-ST-54.16"
QV-P-STAND-DW-2.5HE-20/30-DRY-ASYM-N/A-S4B-CON6-CLS-CL2-PLC-ST-54.16"
QV-P-STAND-DW-2.5HE-20/30-DRY-ASYM-N/A-P4B-BW-CON6-CL2-PLC-ST-50.16"

Corners
QV-SM-CORNER-I
QV-SM-CORNER-O

Endcaps
QV-SM-MDIN-EC-ST

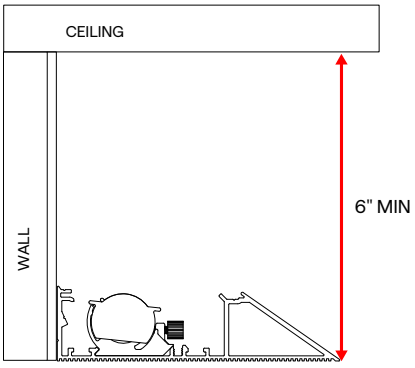
QTL RECOMMENDATIONS

SMOOTH MAIN HOUSING



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

MUD IN MAIN HOUSING



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
2.5HE	384
4.5HE	192

*Maximum length assuming 96W class 2 power supply

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QUOVA PERFORMANCE SMOOTH/MUDIN WARM DIM APPLICATIONS

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
	DW-HE Warm Dim Applications
0.1%	QT-CAB-eLED+DALI-DT6 QT-CAB-eLED+DALI-DT8 QT-CAB-eLED+DALI-DT8-AWN QT-CAB-eLED+WD QT-CAB-eLED+WD-AWN QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT8 QTM-eLED+DALI-DT8-AWN QTM-eLED+WD QTM-eLED+WD-AWN QZ-DW
1%	QZ-DALI-DT8
10%	Non-Dim Power Supply with WD App Dongle

DIMMING PROTOCOL	INDOOR
	DW-HE Warm Dim Applications
Phase	QZ-DW
0-10V	QT-CAB-eLED+WD QT-CAB-eLED+WD-AWN QTM-eLED+WD QTM-eLED+WD-AWN QZ-DW
Lutron Athena	QT-CAB-eLED+DALI-DT8-AWN QT-CAB-eLED+WD-AWN QTM-eLED+DALI-DT8-AWN QTM-eLED+WD-AWN
DALI-2: DT6 LED wattage must be doubled for DW-HE products except for AWN	QT-CAB-eLED+DALI-DT6 QTM-eLED+DALI-DT6
DALI-2: DT8 LED wattage must be doubled for DW-HE products except for AWN	QT-CAB-eLED+DALI-DT8 QT-CAB-eLED+DALI-DT8-AWN QTM-eLED+DALI-DT8 QTM-eLED+DALI-DT8-AWN QZ-DALI-DT8
SCENE App Dimmed	Non-Dim Power Supply with WD App Dongle

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QUOVA PERFORMANCE - SMOOTH/MUDIN

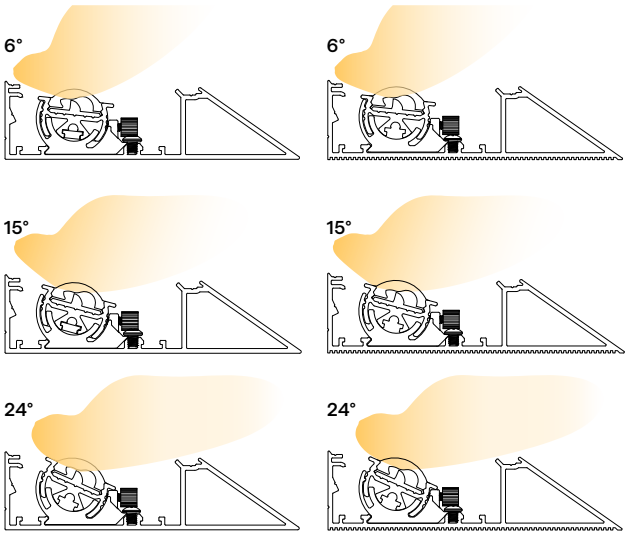
Performance Cove Fixture

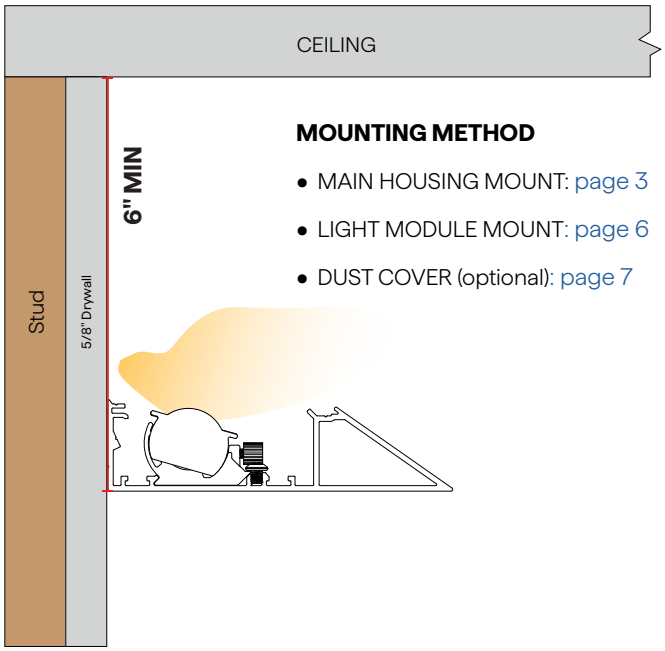
ATTENTION: Please read all instructions BEFORE installation

- 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





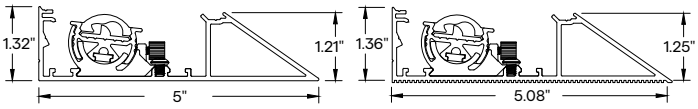
MOUNTING METHOD

- MAIN HOUSING MOUNT: page 3
- LIGHT MODULE MOUNT: page 6
- DUST COVER (optional): page 7

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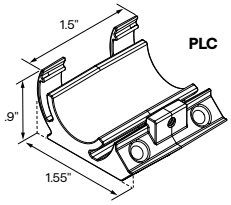
QUOVA PERFORMANCE - SMOOTH/MUDIN

Performance Cove Fixture

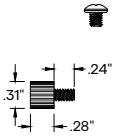


Profile of Smooth Main Housing

Profile of Mud in Main Housing



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

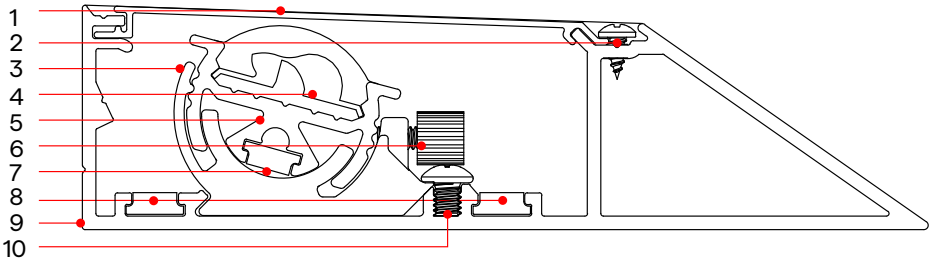


Light Module Mounting Screw for Plastic Clip

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



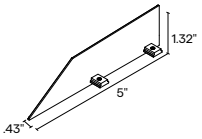


Main Housing Mounting Screw

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

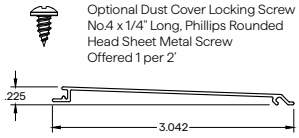
1. Dust Cover (Optional)
2. Dust Cover Screw(Optional)
3. Plastic Clip
4. Optic
5. Light Module
6. Thumb Screw
7. Light Module Endcap
8. Housing Endcap
9. Main Housing
10. Light Module Mounting Screw

END CAPS

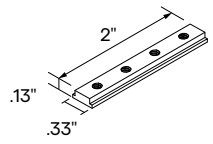
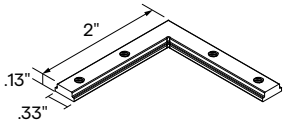
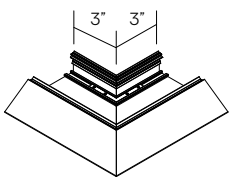
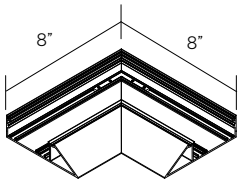


External End caps
Pair of end caps sold separately

DUST COVER



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

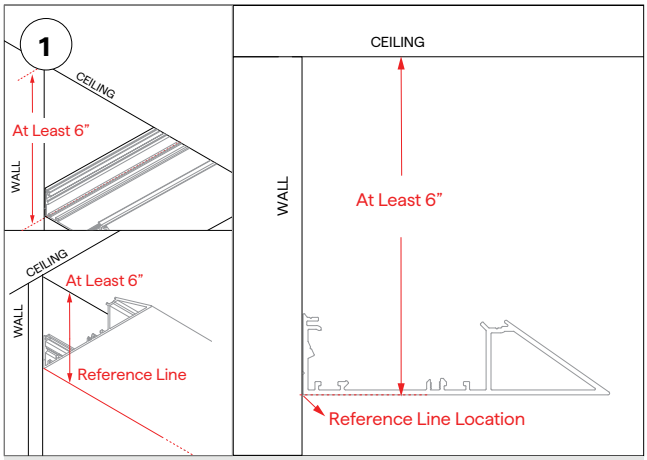
JOINER/CONNECTORS		CORNERS	
INLINE BRACKET; sold individually	CORNER BOTTOM BRACKET; sold individually	OUTSIDE CORNER; sold individually	INSIDE CORNER; sold individually
			
2 per main housing length & 2 per corner included	2 included with pre-mitered corner Sold separately for field cut corner	Pre-mitered, 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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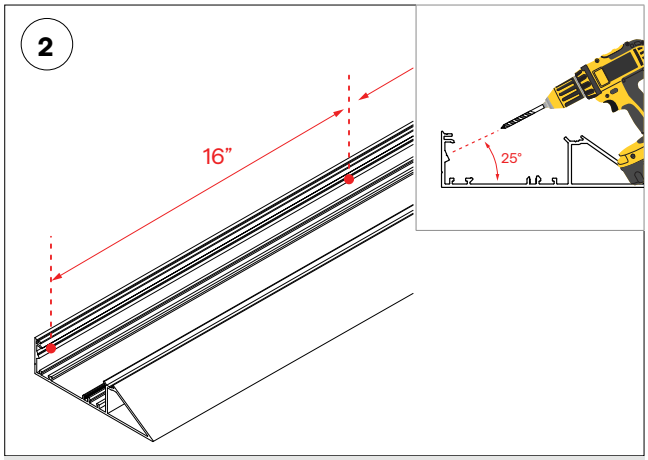
QUOVA PERFORMANCE - SMOOTH/MUDIN

Performance Cove Fixture

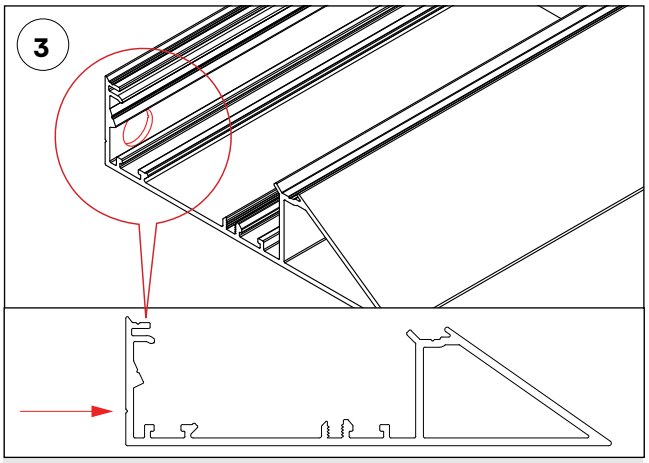
MOUNTING METHOD: **MAIN HOUSING MOUNT**



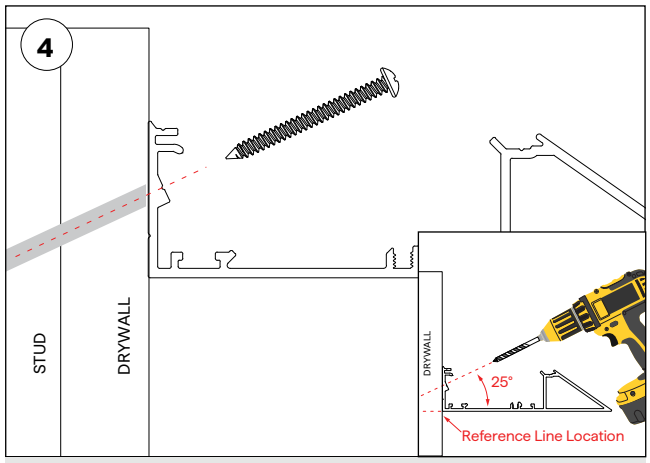
- On the mounting surface, draw a leveled reference line that aligns to the main housing's bottom surface, the line should be at least 6" from the ceiling.



- Pre-drill pass through holes at 25° into the main housing every 16"



- Drill wire feed hole on the main housing to match the wire feed location on the mounting surface



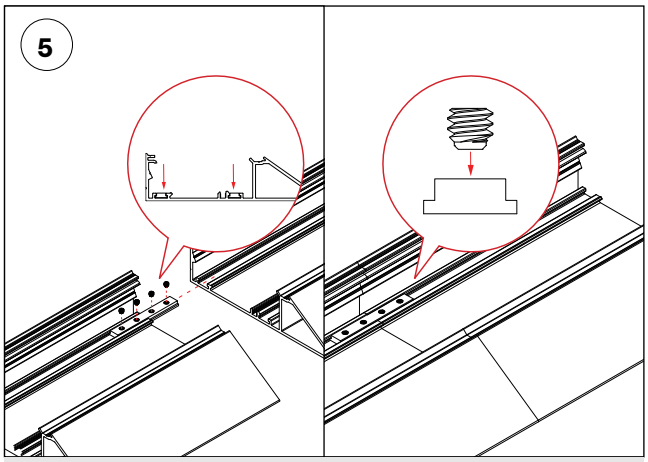
- Start from main housing corners and fill in with straight main housing sections
- Hold the main housing for its bottom surface to match the reference line
- Drill pilot holes through the main housing's pass through holes into the mounting surface and the studs behind, then install mounting screws

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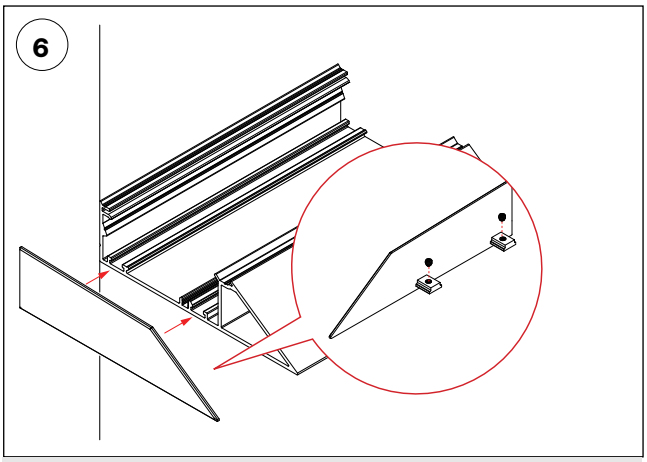
QUOVA PERFORMANCE - SMOOTH/MUDIN

Performance Cove Fixture

MOUNTING METHOD: **MAIN HOUSING MOUNT**

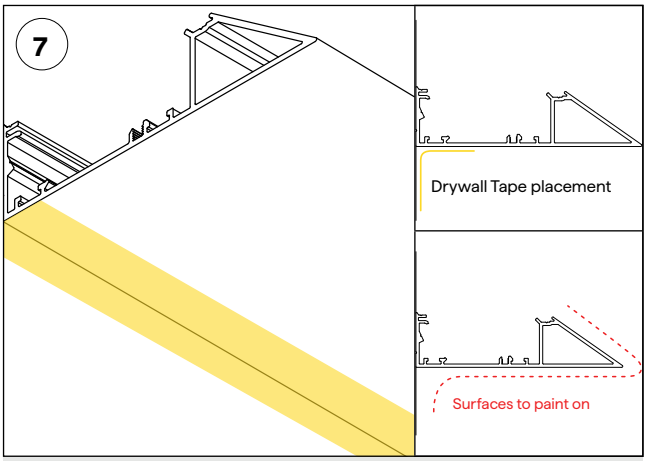


- When mounting the second or additional sections in a continuous run, loosen and move inline brackets to be in between of where two sections meet, then tighten the inline brackets.



- 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.



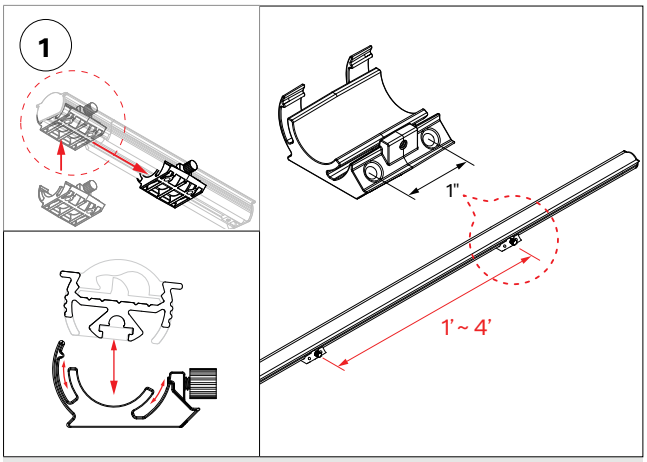
- Place drywall tape over where the main housing's bottom surface meets to wall, apply joint compound, allow to dry, sand and repeat as necessary once completed, apply primer and paint

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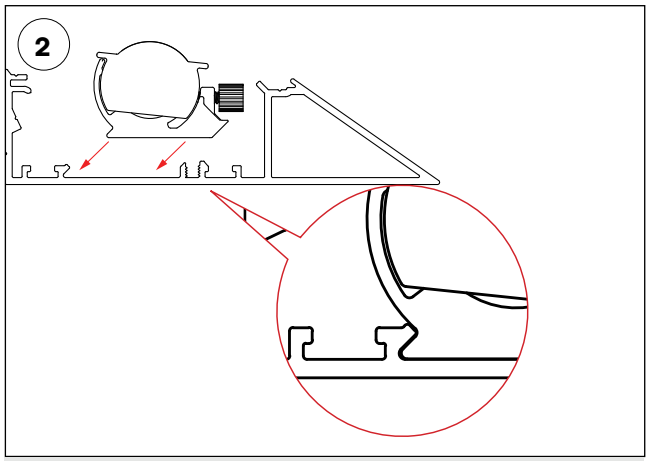
QUOVA PERFORMANCE - SMOOTH/MUDIN

Performance Cove Fixture

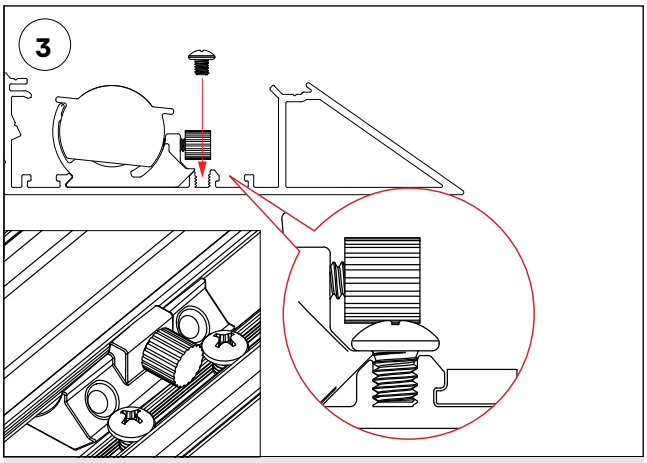
MOUNTING METHOD: **LIGHT MODULE MOUNT**



- 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.

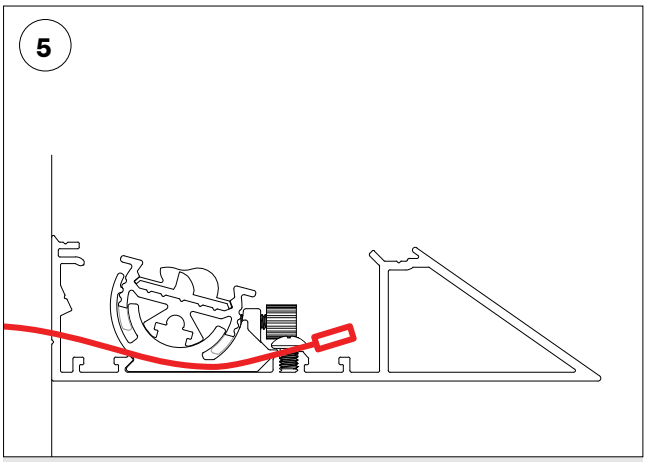
NOTE: 2 screws per plastic clip; one screw on each side of the clip.

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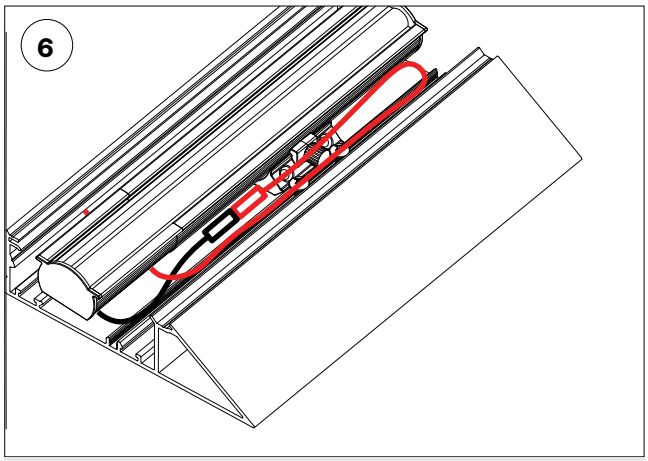
QUOVA PERFORMANCE - SMOOTH/MUDIN

Performance Cove Fixture

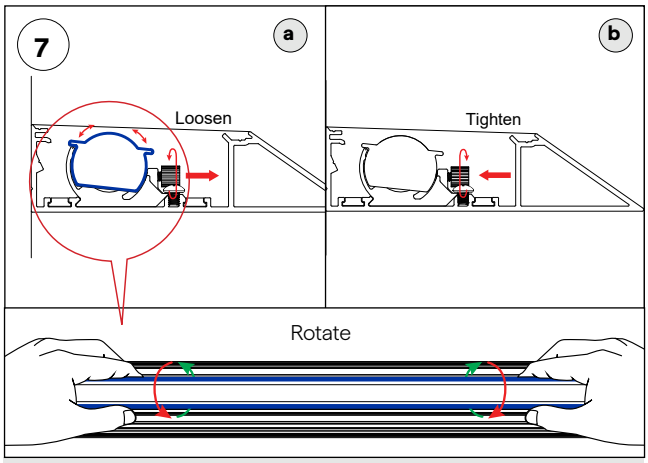
MOUNTING METHOD: **LIGHT MODULE MOUNT**



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



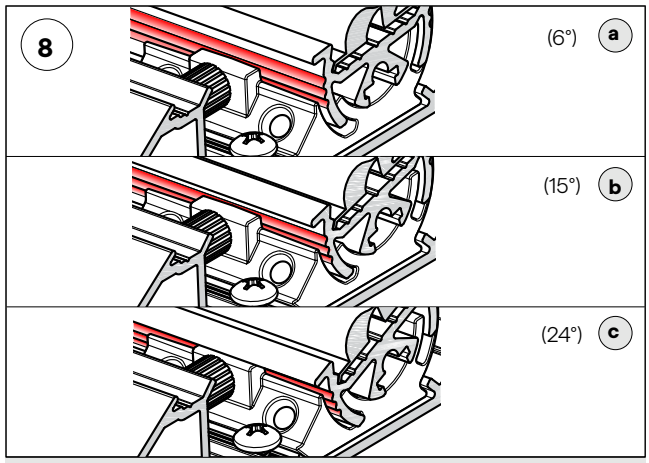
- Make the wire connection to the light module wires.



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°).

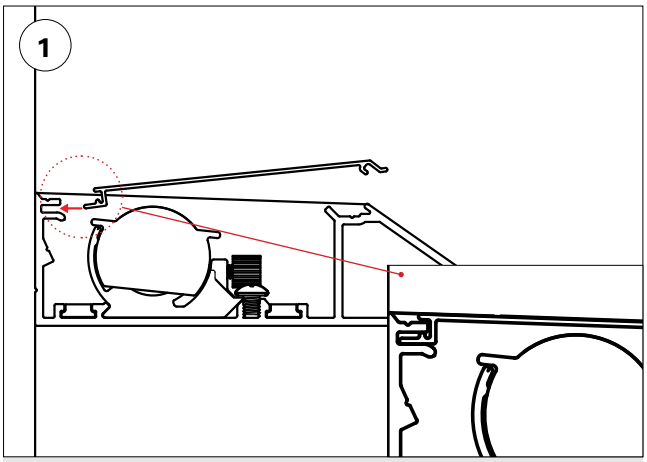
c. Light module at 24 degrees (24°).

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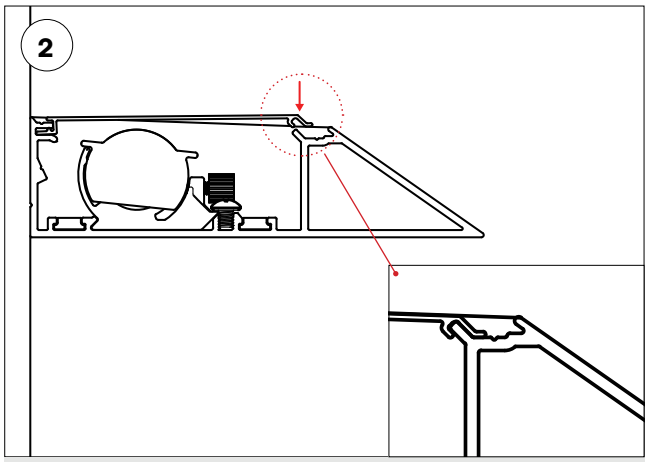
QUOVA PERFORMANCE - SMOOTH/MUDIN

Performance Cove Fixture

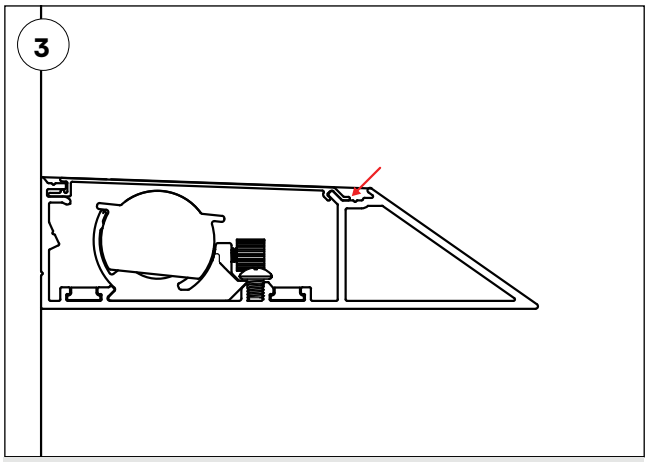
MOUNTING METHOD: **DUST COVER (OPTIONAL)**



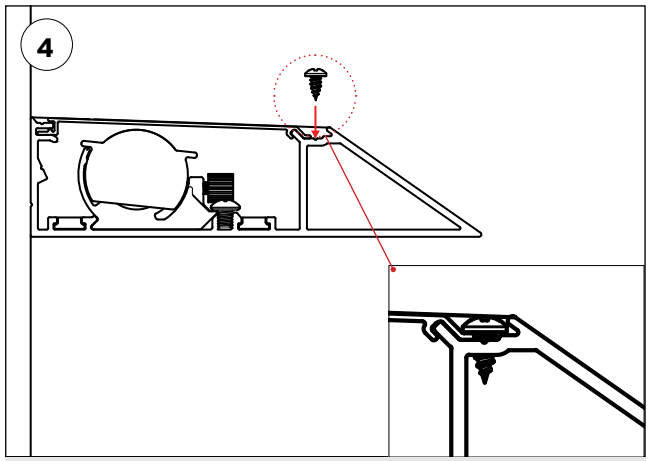
- Push the dust cover's back section into the main housing's engagement slot



- 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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