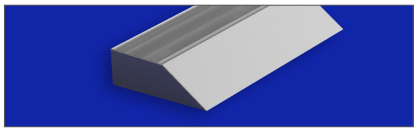
QUOVA PERFORMANCE FLOAT TUNABLE APPLICATIONS

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)
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

© 2026 QTL. All rights reserved | 155 Hill St. Milford, CT 06460 | 203-367-8777 | sales@QTL.lighting | QTL.lighting

QUOVA PERFORMANCE FLOAT TUNABLE 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-FLOAT-DW			DRY	ASYM	N/A					PLC	ST	

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

B1 PRODUCT

QV-FLOAT-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"

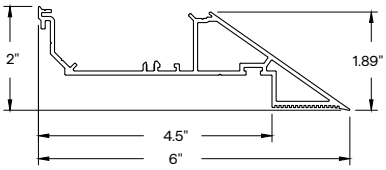
2" increments
Fixture length min 12", Tolerance +0 – 1/8".
Consult factory for lengths under 12"

© 2026 QTL. All rights reserved | 155 Hill St. Milford, CT 06460 | 203-367-8777 | sales@QTL.lighting | QTL.lighting

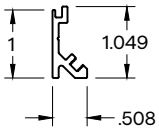
QUOVA PERFORMANCE FLOAT TUNABLE APPLICATIONS

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

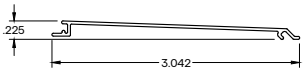
Satin

A3 DUST COVER

Frosted

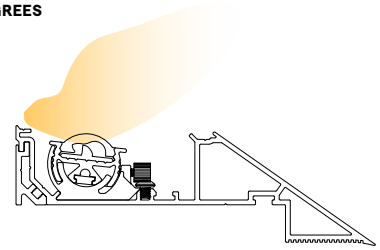


Optional Dust Cover Locking Screw
No.4 x 1/4" Long, Phillips Rounded Head Sheet Metal Screw
Offered 1 per 2'

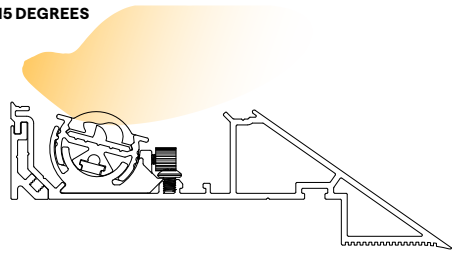


LIGHT MODULE CONFIGURATION OPTIONS

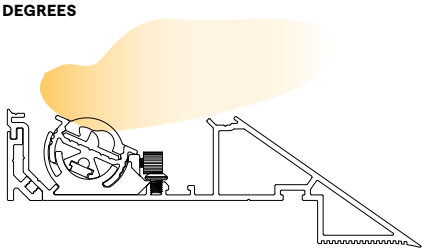
6 DEGREES



15 DEGREES



24 DEGREES



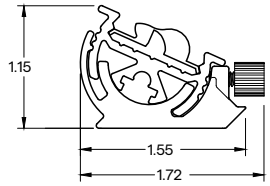
© 2026 QTL. All rights reserved | 155 Hill St. Milford, CT 06460 | 203-367-8777 | sales@QTL.lighting | QTL.lighting

Specification subject to change. Rev-04-06-26

QUOVA PERFORMANCE FLOAT TUNABLE APPLICATIONS

Knife Edge Cove Fixture

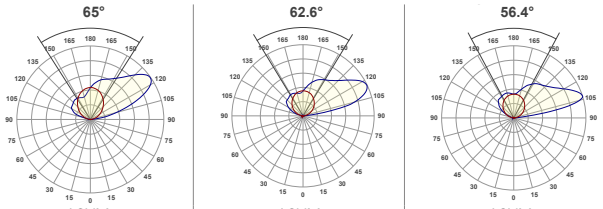
B1 PRODUCT - DIMENSIONS



Profile of Light Module

B5 OPTICS

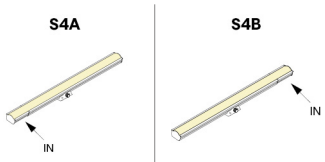
Nominal beam spreads shown, beam spread varies based on light engine.
For more detailed information, see photometric data.
Optics examples shown QV-SM-ST-NA-**-QV-DW-2.5HE-20/30-DRY-ASYM



ASYM 6 Degrees | ASYM 15 Degrees | ASYM 24 Degrees

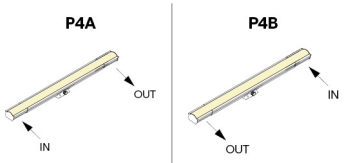
B7 WIRE INPUT/OUTPUT

ASYMMETRIC ONLY SINGLE (Input)



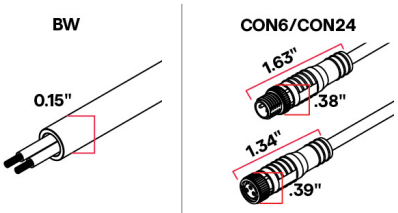
Front Feed - Left Side | Front Feed - Right Side

ASYMMETRIC ONLY PASS THROUGH (Input/Output)



Front Feed - Left Side | Front Feed - Right Side

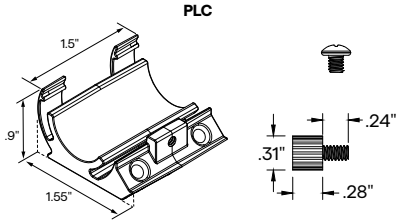
B8/B9 CONNECTOR/WIRE – IN/OUT



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'

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

© 2026 QTL. All rights reserved | 155 Hill St. Milford, CT 06460 | 203-367-8777 | sales@QTL.lighting | QTL.lighting

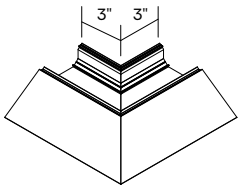
Specification subject to change. Rev-04-06-26

QUOVA PERFORMANCE FLOAT TUNABLE APPLICATIONS

Knife Edge Cove Fixture

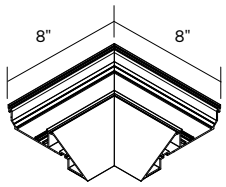
CORNERS

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

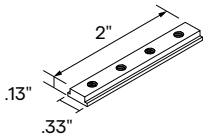
QV-FLOAT-CORNER-I



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

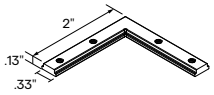
JOINER/CONNECTORS

QV-P-INLINE-BR



Inline Bracket
2 per main housing length

QV-P-CORNER-BR

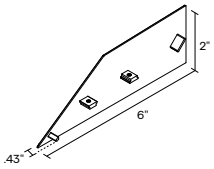


Corner Bottom Bracket
2 included with pre-mitered corner
Sold separately for field cut corner

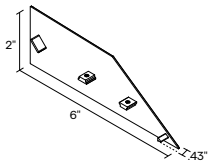
EXTERNAL END CAPS

Pair of end caps sold separately

QV-FLOAT-EC-ST



Left Endcap



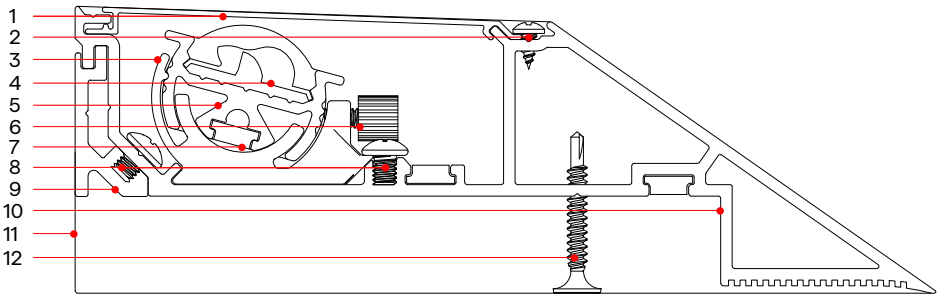
Right Endcap

© 2026 QTL. All rights reserved | 155 Hill St. Milford, CT 06460 | 203-367-8777 | sales@QTL.lighting | QTL.lighting

QUOVA PERFORMANCE FLOAT TUNABLE APPLICATIONS

Knife Edge Cove Fixture

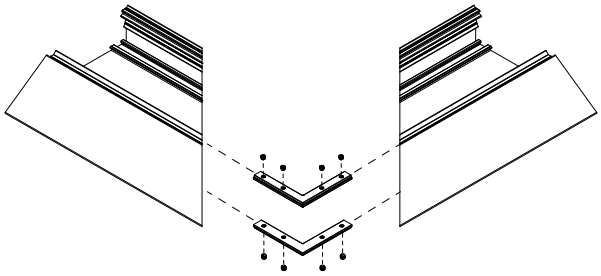
FIXTURE ASSEMBLY



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

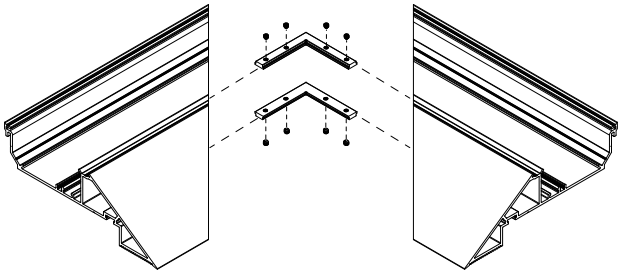
CORNER ASSEMBLY

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-**-**-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

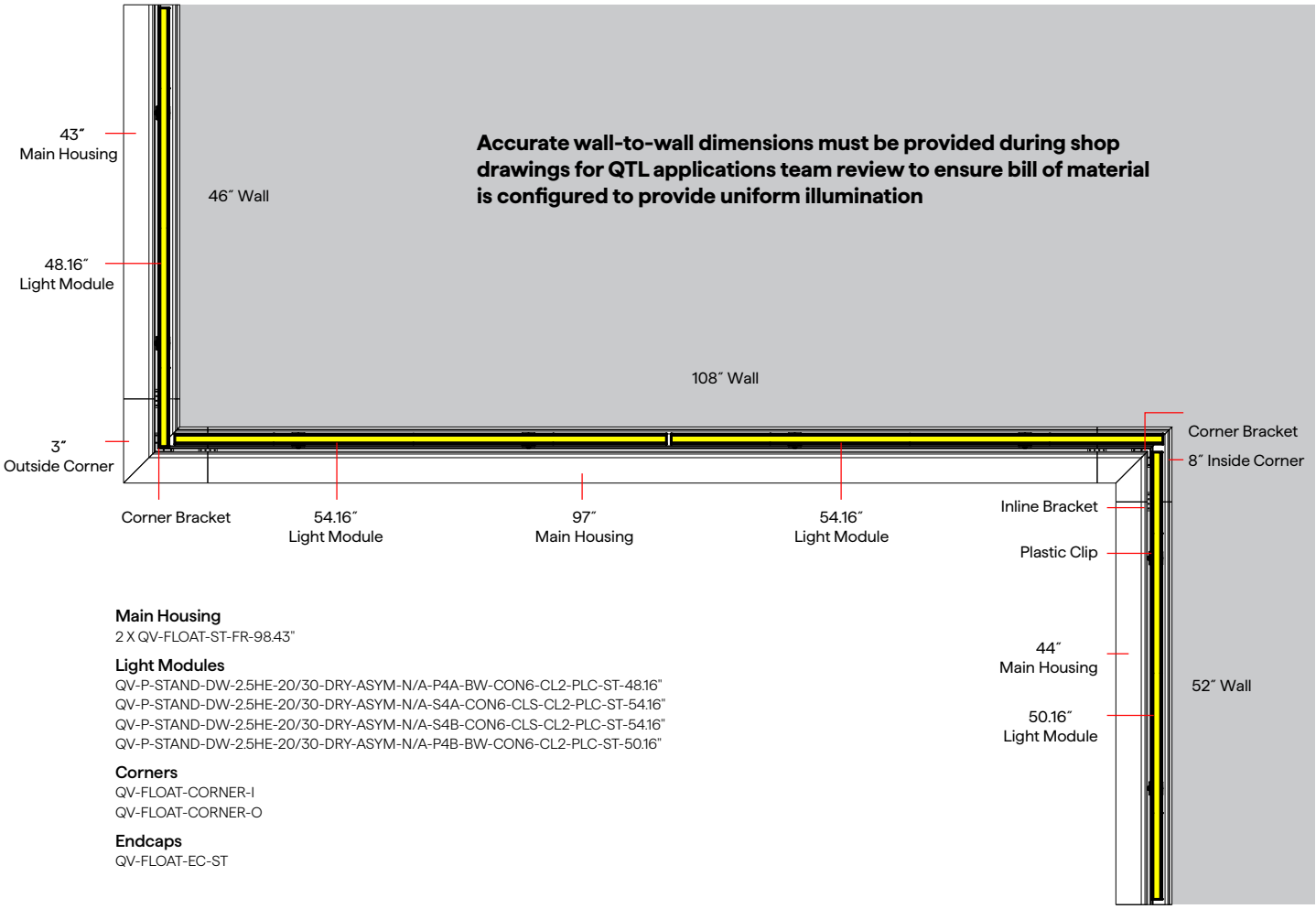
DW-HE CCT Multiplier	
1800K	**
2000K	0.86
2400K	**
2700K	0.99
3000K	1.00
3500K	**
4000K	1.08
5500K	1.14

© 2026 QTL. All rights reserved | 155 Hill St. Milford, CT 06460 | 203-367-8777 | sales@QTL.lighting | QTL.lighting

QUOVA PERFORMANCE FLOAT TUNABLE APPLICATIONS

Knife Edge Cove Fixture

ORDER EXAMPLE:



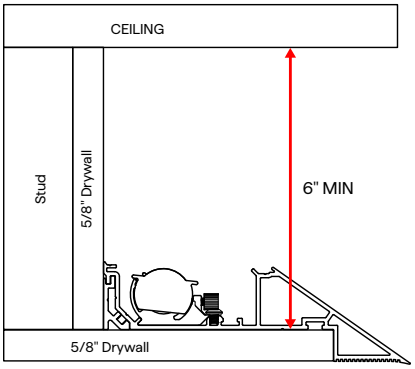
Main Housing
2 X QV-FLOAT-ST-FR-98.43"

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-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
2.5HE	384
4.5HE	192

*Maximum length assuming 96W class 2 power supply

© 2026 QTL. All rights reserved | 155 Hill St. Milford, CT 06460 | 203-367-8777 | sales@QTL.lighting | QTL.lighting

QUOVA PERFORMANCE FLOAT TUNABLE 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 Tunable Applications
0.1%	QT-CAB-eLED+DALI-DT6 QT-CAB-eLED+DALI-DT8 QT-CAB-eLED+DALI-DT8-AWN QT-CAB-eLED+TW QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT8 QTM-eLED+DALI-DT8-AWN QTM-eLED+TW QZ-DMX
1%	QZ-DALI-DT8
10%	Non-Dim Power Supply with TW App Dongle

DIMMING PROTOCOL	INDOOR
	DW-HE Tunable Applications
0-10V	QT-CAB-eLED+TW QTM-eLED+TW
Lutron Athena	QT-CAB-eLED+DALI-DT8-AWN QTM-eLED+DALI-DT8-AWN
DMX LED wattage must be doubled for DW-HE products	QZ-DMX
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 TW App Dongle

© 2026 QTL. All rights reserved | 155 Hill St. Milford, CT 06460 | 203-367-8777 | sales@QTL.lighting | QTL.lighting