PERI FOR WARM DIM APPLICATIONS

Perimeter Fixtures



- Smaller, smarter, sleeker perimeter lighting fixture
- 2" tall and 2.48" wide main housing, perfect for shallow plenums
- Modular assembly consists of housing that can be shipped early in the construction of the project and snap in lighting fixture, allowing contractors to rough in the main housing without any concern with damaging the light source, and providing flexibility in the scheduling of installation
- Designed for interior dry applications
- All housings are ASTM E283 Air Leakage Certified and CCEA compliant
- Type IC and Inherently Protected

PERI 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 LENS	A3 LOUVER	A4 FINISH	A5 FLANGE TYPE	A6 FLANGE POSITION	A7 WALL MOUNT	A8 DRIVER LOCATION	A9 NUMBER OF TOTAL LENGTHS (EA)
PERI			ST					

Sample Part Number: **PERI-DF-L1-WH-ST-TBAR-FL-NS-N/A-48"**

A1 PRODUCT

PERI	

A2 LENS

PR	Polar
DF	Diffused
PM	Prismatic

A3 LOUVER

L1-WH	White
L1-BK	Black
L1-GY	Grey
N/A	No louver

A4 FINISH

ST	Satin

A5 FLANGE TYPE / A6 FLANGE POSITION

A5 FLANGE TYPE	A6 FLANGE POSITION
TBAR	**FL** Flush **1.5"** **3.0"**
TSLOT	**1.5"** **3.0"**
MDIN Mud-In Mud-In-REMOTE DRIVER ONLY.	**FL** Flush **1.5"** **3.0"**

A7 WALL MOUNT

S-3/16-R	Standoff 3/16" Regressed
S-1/2-R	Standoff 1/2" Regressed
S-1-F	Standoff 1" Flush
S-1-R	Standoff 1" Regressed
S-3-F	Standoff 3" Flush
S-3-R	Standoff 3" Regressed
NS	No Standoff

A8 DRIVER LOCATION

N/A	Remote
N/A-CP-TP	Remote (Top Chicago Plenum)
N/A-CP-SE	Remote (Side Chicago Plenum)

See compatible power supplies on following pages.

A9 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".

Shop drawings required.

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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PERI FOR WARM DIM APPLICATIONS

Perimeter Fixtures

B. LIGHT MODULE

B1	B2	B3	B4	B5	B6	B7	B8	B9
PRODUCT	WATTS/FT	CCT	OPTICS	WIRE INPUT/OUTPUT	CONNECTOR/WIRE IN	CONNECTOR/WIRE OUT	WIRE TYPE	LENGTH (IN)
PERI-DW								

Sample Part Number: **PERI-DW-2.5HE-20/30-N/A-S2A-CON6-CLS-CL2-48.16"**

B1 PRODUCT

PERI-DW
Constant Voltage

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 OPTICS

ASYM	Asymmetric
N/A	No optics (Lambertian)

B5 WIRE INPUT/OUTPUT

SINGLE (Input only)

S2A	Bottom Feed
S2B	Bottom Feed

PASS THROUGH (Input/Output)

P2A	Bottom Feed
P2B	Bottom Feed

B6 CONNECTOR/WIRE IN

BW	Bare Wire (Standard 36")
CON6	Connector 6"
CON24	Connector 24"

Connector/Wire In not needed to specify product. Typical selection is BW.
BW: Standard length is 36", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)

BW	Bare Wire (Standard 36")
CON6	Connector 6"
CON24	Connector 24"

Connector/Wire In not needed to specify product. Typical selection is BW.
BW: Standard length is 36", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)

B7 CONNECTOR/WIRE OUT

CLS	Closed End (No Feed)

BW	Bare Wire (Standard 36")
CON6	Connector 6"
CON24	Connector 24"

Connector/Wire In not needed to specify product. Typical selection is BW.
BW: Standard length is 36", Max length is 120". Request custom length by writing in part number next to BW (example: BW48)

B8 WIRE TYPE

CL2	Class 2
CL2P	Plenum Rated

CL2P only available with bare wire leads (BW)

B9 LENGTH (IN)

12.16"-98.16"

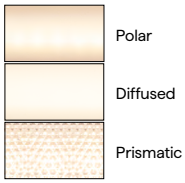
2" increments
Lengths for modules should be an even number and end in 0.16" to allow for end caps.
Fixture length min 12", Tolerance +0 – 1/8".
Consult factory for lengths under 12"

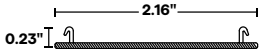
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PERI FOR WARM DIM APPLICATIONS

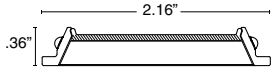
Perimeter Fixtures

A2 LENS VISIBILITY



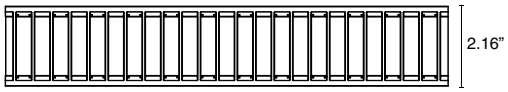


Outer roll-up lens profile
(Continuous lens up to 50 feet)



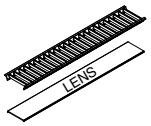
Louver with lens profile

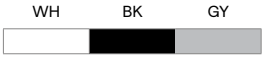
A3 LOUVER



Provided in 4ft segments

L1-XX





A4 FINISH

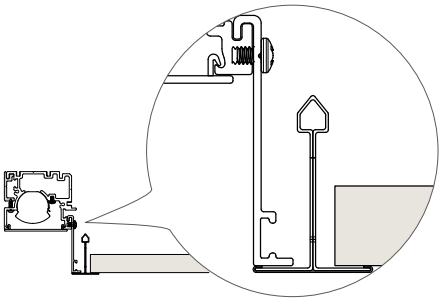


Satin

A5 FLANGE TYPE

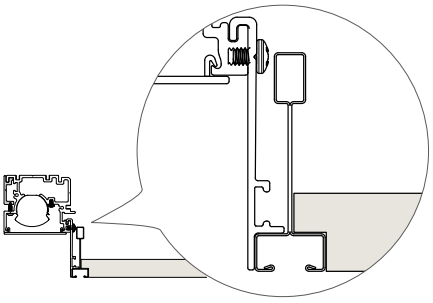
Powder coated matte white finish standard for all flange types

TBAR



Grid - 9/16" or 15/16"

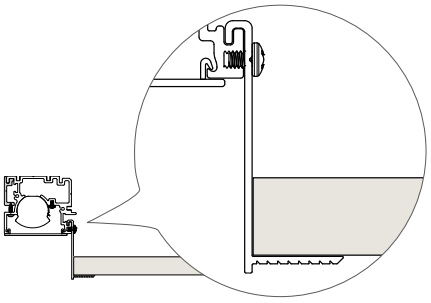
TSLOT



9/16" slot

1.5" version requires top mounted or remote driver

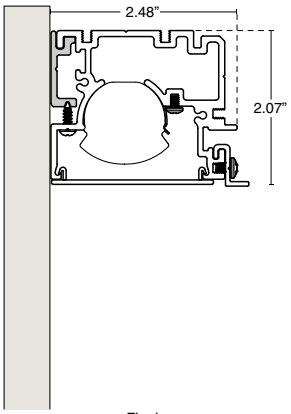
MDIN



Mud-In
Drywall - REMOTE DRIVER ONLY

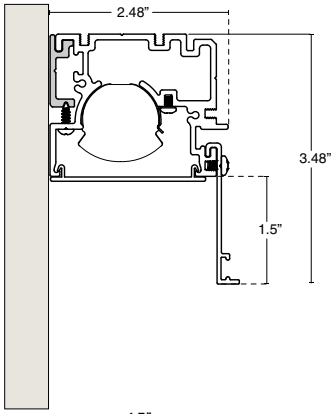
A6 FLANGE POSITION

FL



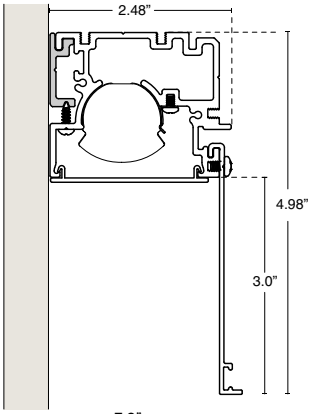
Flush

1.5"



1.5" regress

3.0"



3.0" regress

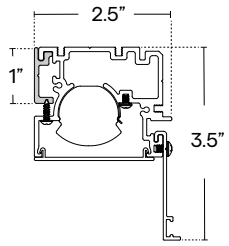
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PERI FOR WARM DIM APPLICATIONS

Perimeter Fixtures

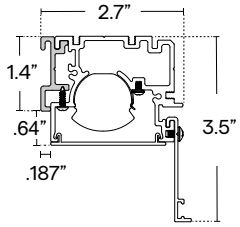
A7 WALL MOUNT (shown with 1.5 regress TBAR Flange)

NS



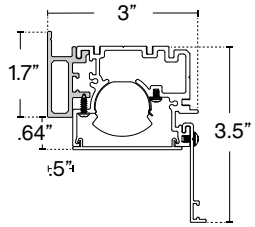
No Standoff

S-3/16-R



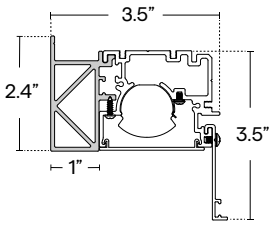
Standoff (3/16”) Regressed

S-1/2-R



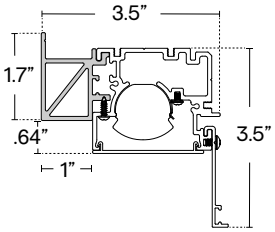
Standoff 1/2”
Regressed

S-1-F



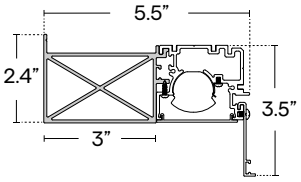
Standoff 1” Flush

S-1-R



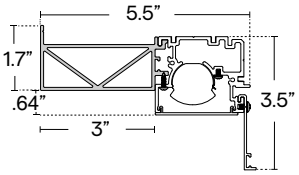
Standoff 1”
Regressed

S-3-F



Standoff 3” Flush

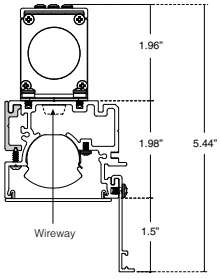
S-3-R



Standoff 3”
Regressed

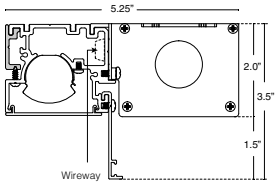
A8 CHICAGO PLENUM BOX LOCATION

N/A-CP-TP



Top Mounted

N/A-CP-SE



Side Mounted

Side Mounted-not available with Flush and T-SLOT 1.5”.

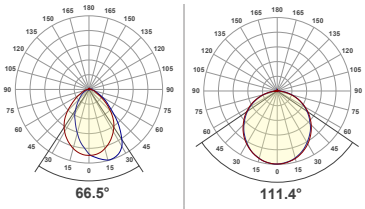
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PERI FOR WARM DIM APPLICATIONS

Perimeter Fixtures

B4 OPTICS

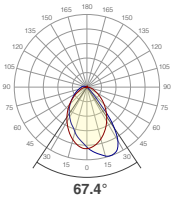
Optics with flush flanges being shown



ASYM

NO OPTICS
(Lambertian)

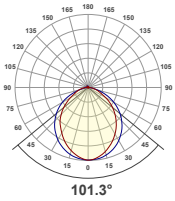
QTL RECOMMENDATIONS



Lens: Prismatic with white louver
Flange Position:1.5"
Optic: Asymmetric

DW-HE	LM/FT
2.5W	123
ASYM-PM-L1-WH	

Optimal Space Illumination:
PERI-DW-2.5HE-30-ASYM-PM-L1-WH-TBAR-1.5



Lens: Diffused with white louver
Flange Position: Flush
Optic: No optics

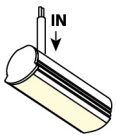
DW-HE	LM/FT
2.5W	138
DF-L1-WH	

Optimal Glow Illumination:
PERI-DW-2.5HE-30-N/A-DF-L1-WH-TBAR-FL

B5 WIRE INPUT/OUTPUT

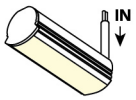
ASYMMETRIC ONLY SINGLE (Input)

S2A



Bottom Feed

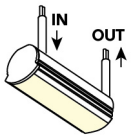
S2B



Bottom Feed

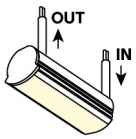
ASYMMETRIC ONLY PASS THROUGH (Input/Output)

P2A



Bottom Feed

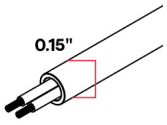
P2B



Bottom Feed

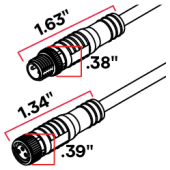
B6/B7 CONNECTOR/WIRE – IN/OUT

BW



Bare Wire 24"
22 AWG

CON6/CON24

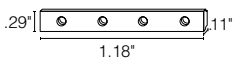


6" or 24" Overall
Wire Connector | 22 AWG
UL Listed

JOINER/CONNECTORS

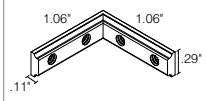
Connectors are compatible with the main housing and the following wall mounts: S-1/2-R, S-1-F, S-1-R, S-3-F, S-3-R

PERI-INLINE-BR



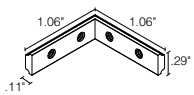
Inline Bracket
(2 per length included)

PERI-CORNER-BR-I



Inner Corner
(Sold separately for field cut corner)

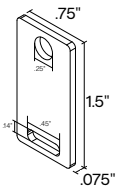
PERI-CORNER-BR-O



Outer Corner
(Sold separately for field cut corner)

MOUNTING BRACKETS

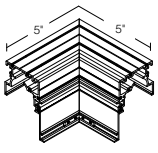
PERI-SUS-BR



Suspension Support Bracket
Ideal for applications with seismic risk
(Sold separately)

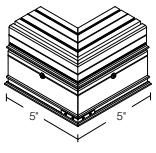
CORNERS (brackets included)

PERI-ILC



Preassembled
Inside Corner
(Sold separately)

PERI-OLC



Preassembled
Outside Corner
(Sold separately)

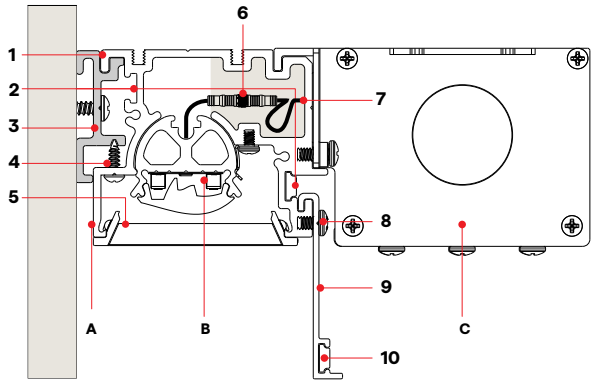
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Specification subject to change. Rev-09-21-26

PERI FOR WARM DIM APPLICATIONS

Perimeter Fixtures

ASSEMBLY

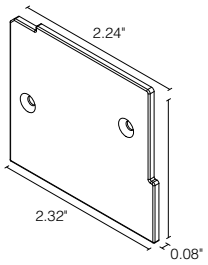


A - Main Housing
B - Light Module
C - Chicago Plenum Box

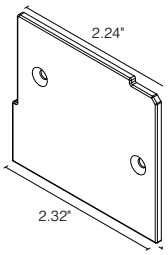
1. Easy-drop hook (primary mount)
2. Connector Slot
3. Wall Mount Bracket
4. Screw Stopper
5. Louver/ Lens Combo
6. CON6
7. Wire Way: Tuck wires into main housing for clean install
8. Flange Mount
9. Flange
10. Connector Slot

MAIN HOUSING ENDCAPS

PFIX-EC-MACH-2-OTR-01-ST



PFIX-EC-MACH-2-OTR-02-ST



TECHNICAL INFORMATION

Tunable White High Efficacy
[Calculated L70 = 70000 hrs]
Tested with PERI-DW-HE-30-***-**-**-**, Flush flange

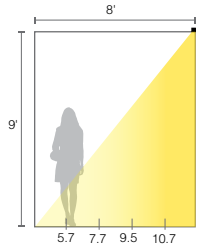
Without Louver									
DW-HE	1.5HE W/FT			2.5HE W/FT			4.0HE W/FT		
	LM/FT	CRI	UGR	LM/FT	CRI	UGR	LM/FT	CRI	UGR
PR	110	98	N/A	179	98	N/A	252	98	N/A
DF	104	98	N/A	164	98	N/A	228	98	N/A
PM	116	98	≤ 12.8	187	98	≤ 14.8	262	98	≤ 16.0
ASYM-PR	94	97	N/A	147	97	N/A	211	97	N/A
ASYM-PM	97	97	≤ 12.3	153	98	≤ 13.8	215	97	≤ 15.1

With Louver									
DW-HE-2.5	L1-WH			L1-BK			L1-GY		
	LM/FT	CRI	UGR	LM/FT	CRI	UGR	LM/FT	CRI	UGR
PR	150	98	N/A	106	98	N/A	132	98	N/A
DF	138	98	N/A	96	98	N/A	123	98	N/A
PM	154	98	≤ 14.0	112	98	≤ 11.5	138	98	≤ 13.9
ASYM-PR	128	97	N/A	93	97	N/A	115	97	N/A
ASYM-PM	134	97	≤ 13.6	99	98	≤ 11.3	122	98	≤ 13.4

DW-HE CCT Multiplier	
1800K	0.77
2000K	0.84
2400K	0.88
2700K	0.96
3000K	1.00
3500K	1.07
4000K	1.03
5500K	1.12

PERFORMANCE

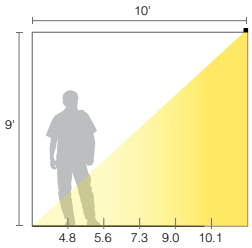
CORRIDOR 8'



FOOT CANDLES

ASYM
W/FT: DW 2.5HE W/FT
CCT: 3000
OPTIC: ASYMMETRIC
LENS: PRISMATIC WITH WHITE LOUVER
FLANGE POSITION:1.5"
AVERAGE ILLUMINANCE (Fc): 7.41
MAX: 10.8
MIN: 1.8
AVG/MIN: 4.12
MAX/MIN: 6.0
W/SQFT: 0.31
ROOM SIZE: 8'X50'

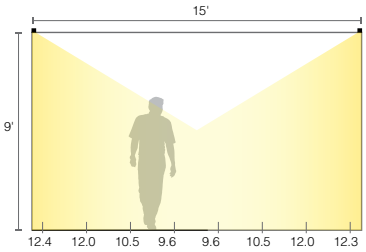
CORRIDOR 10'



FOOT CANDLES

ASYM
W/FT: DW 2.5HE W/FT
CCT: 3000
OPTIC: ASYMMETRIC
LENS: PRISMATIC WITH WHITE LOUVER
FLANGE POSITION:1.5"
AVERAGE ILLUMINANCE (Fc): 7.46
MAX: 10.7
MIN: 2.9
AVG/MIN: 2.57
MAX/MIN: 3.69
W/SQFT: 0.25
ROOM SIZE: 10'X50'

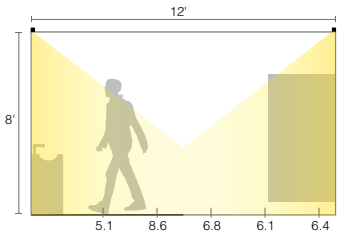
CORRIDOR 15'



FOOT CANDLES

ASYM
W/FT: DW 2.5HE W/FT
CCT: 3000
OPTIC: ASYMMETRIC
LENS: PRISMATIC WITH WHITE LOUVER
FLANGE POSITION:1.5"
AVERAGE ILLUMINANCE(Fc): 10.39
MAX: 12.4
MIN: 6.0
AVG/MIN: 1.73
MAX/MIN: 2.07
W/SQFT: 0.33
ROOM SIZE: 15'X50'

RESTROOM



FOOT CANDLES

ASYM
W/FT: DW 2.5HE W/FT
CCT: 3000
OPTIC: ASYMMETRIC
LENS: PRISMATIC WITH WHITE LOUVER
FLANGE POSITION:1.5"
AVERAGE ILLUMINANCE (Fc): 5.40
MAX: 9.2
MIN: 3.6
AVG/MIN: 1.5
MAX/MIN: 2.6
W/SQFT: 0.42
ROOM SIZE: 12'X20'

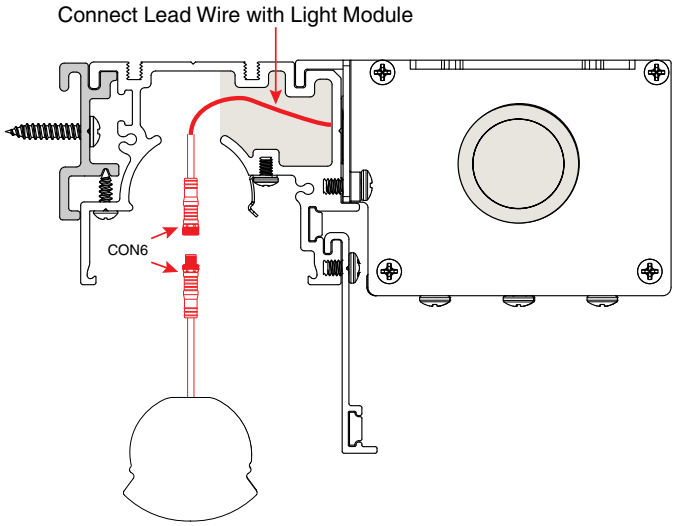
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Specification subject to change. **Rev-09-21-26**

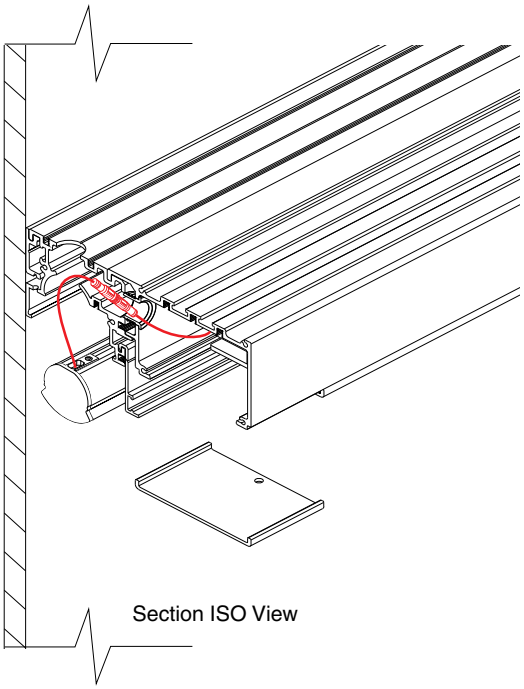
PERI FOR WARM DIM APPLICATIONS

Perimeter Fixtures

WIRING DIAGRAM



Section View



Section ISO View

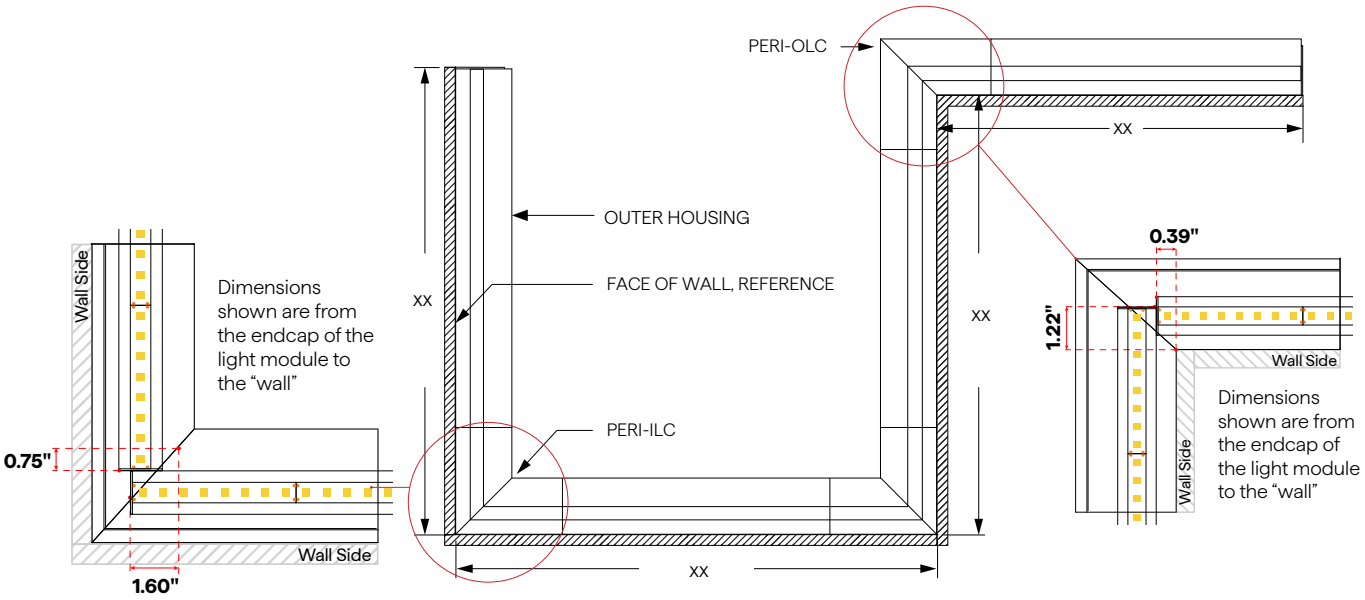
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PERI FOR WARM DIM APPLICATIONS

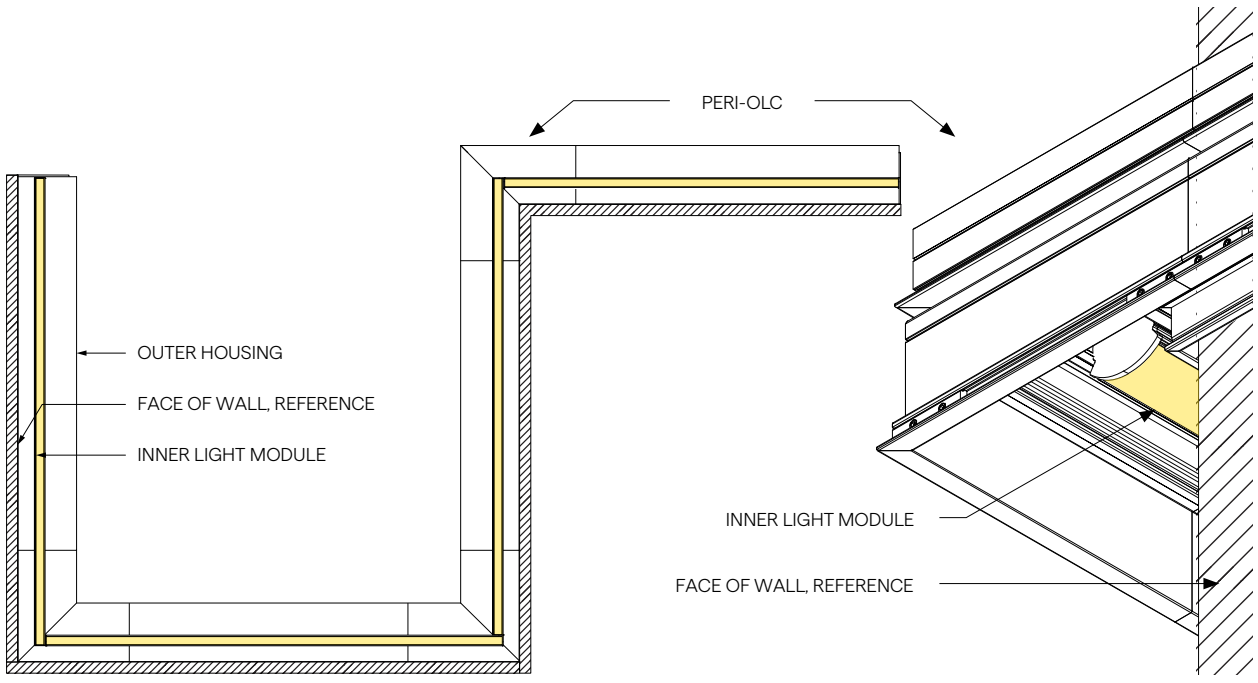
Perimeter Fixtures

WALL CONFIGURATION

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



TOP VIEW



TOP VIEW

ISO VIEW

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PERI FOR WARM DIM APPLICATIONS

Perimeter Fixtures

REMOTE

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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