

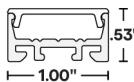


OPTI-FLAT (01) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed



UILD AMERICA,
UY AMERICA
OMPLIANT



- Choose from diffused, polar or frosted lens options for varying diode visibility and beam cutoff
- Delivers smooth and consistent light to highlight architectural features and surfaces
- Ideal for surface-mounted installations
- Integrated metal end caps combined with an extruded aluminum housing give this fixture a polished modern look
- When using DALI and DMX power supplies, LED wattage must be doubled

INFORMATION REQUIRED FOR LIGHTING SCHEDULE

1	2	3	4	5
PRODUCT	WATTS/ FT	CCT	RATED	LENS

ADDITIONAL INFORMATION REQUIRED TO ORDER

Sample Part Number: **OP1DW-2-5HE-20/30-DRY-DF-P1-CON6-CON6-WH-CL2-CC-WH-48"-E**

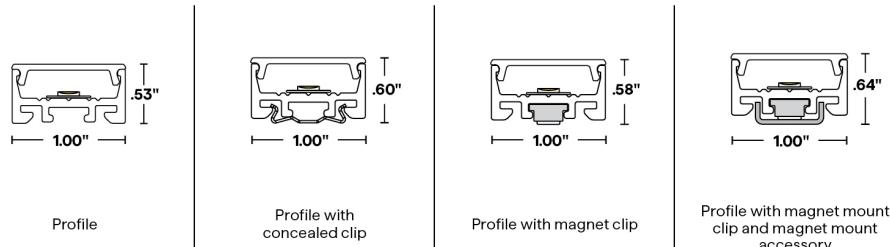
1	PRODUCT	2	WATTS/FT	3	CCT	4	RATED
OP1DW OP1DW-USA	Select USA option for BAA and BABA projects. Only DRY or WET ratings apply. LED engine is built with 3 wires requiring 0-10V, DMX or DALI control. Using DALI, DMX, or non QTL power supplies may double watts/ft. See following pages for compatible power supplies.	1.5HE 2.5HE 4.0HE	1.5W/ft HE 2.5W/ft HE 4.0W/ft HE	20/27 20/30 27/40 27/55	2000K/2700K 2000K/3000K 2700K/4000K 2700K/5500K	DRY	IP20
		1.5HE 2.5HE	1.5W/ft HE 2.5W/ft HE	24/30 27/40	2400K/3000K 2700K/4000K	DMP	IP54
		1.5HE 2.5HE	1.5W/ft HE 2.5W/ft HE	20/27 20/30 27/40 27/55	2000K/2700K 2000K/3000K 2700K/4000K 2700K/5500K	WET	IP67
5	LENS	6	WIRE INPUT/OUTPUT	7	CONNECTOR/WIRE IN	8	CONNECTOR/WIRE OUT
DF PR FR	Diffused Polar Frosted	SINGLE (Input only) S1 S2	End Feed Bottom Feed	BW CON6 CON24	Bare Wire (Standard 36") Connector 6" Connector 24"	CLS	Closed End (No feed)
		PASS THROUGH (Input/Output) P1 P2	End Feed Bottom Feed	BW CON6 CON24	Bare Wire (Standard 36") Connector 6" Connector 24"	BW CON6 CON24	Bare Wire (Standard 36") Connector 6" Connector 24"
For continuous mounting, consider bottom feed.							
9	WIRE COLOR	10	WIRE TYPE	11	MOUNTING	12	FINISH
WH BK	White Black	CL2 CL2P	Class 2 Plenum Rated	CC	Concealed Clip	ST BK WH CU	Satin Black White Custom
		CL2P only available with bare wire leads (BW)		MG	Magnet	Custom finishes have longer lead times. Non-RAL 9003 white custom.	
13	LENGTH (IN)	14	EXACT/OPTIMAL				
	Minimum length is 12", maximum length is 98.43" not including end caps. Contact us for lengths under 12".	O E	Optimal Illumination Exact Specified Length				
		Exact fixtures match the exact length you specify, but they may have dim spots at the ends. Optimal fixtures are slightly shorter than the length specified, but provide full illumination from end to end.					



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1 PRODUCT - DIMENSIONS

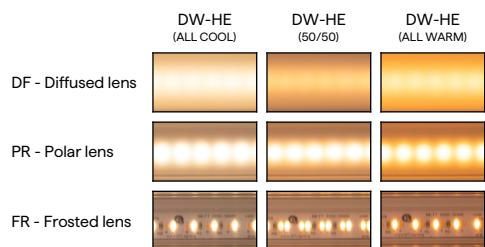


2 DELIVERED LUMENS

[Calculated L70 = 70000 hrs]
Tested with OP1DW-2.5HE-**-DRY-STD

	3000K	
	LM/FT	CRI
FR	219	98
PR	206	98
DF	182	98

5 DIODE VISIBILITY



TEMPERATURE RATINGS

DW 1.5 HE W/FT		DW 3.0 HE W/FT		DW 2.5 HE W/FT		DW 5.0 HE W/FT		DW 4.0 HE W/FT		DW 8.0 HE W/FT			
QTL power supply other than DALI/DMX	DALI/DMX or non-QTL power supply	QTL power supply other than DALI/DMX	DALI/DMX or non-QTL power supply	QTL power supply other than DALI/DMX	DALI/DMX or non-QTL power supply	QTL power supply other than DALI/DMX	DALI/DMX or non-QTL power supply	QTL power supply other than DALI/DMX	DALI/DMX or non-QTL power supply	QTL power supply other than DALI/DMX	DALI/DMX or non-QTL power supply		
Min	Max												
DRY	Ambient Operating Temp - Surface	-4°F	145°F	-4°F	135°F	-4°F	140°F	-4°F	125°F	-4°F	130°F	-4°F	115°F



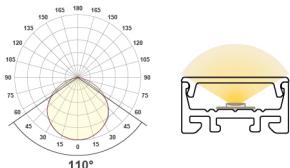
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PHOTOMETRIC PERFORMANCE

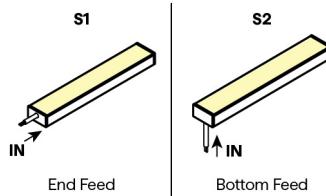
Nominal beam spread shown, beam spread varies based on light engine. For more detailed information, see photometric data.

2.5HEW/ft Frosted Lens

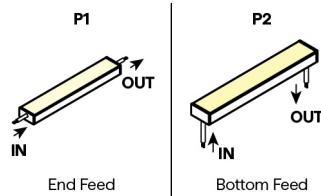


6 WIRE INPUT/OUTPUT

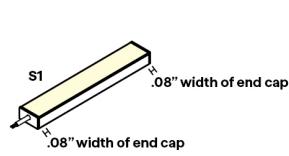
SINGLE (Input only)



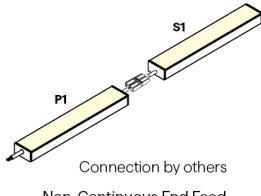
PASS THROUGH (Input/Output)



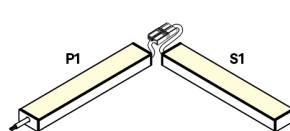
CONFIGURATION OPTIONS



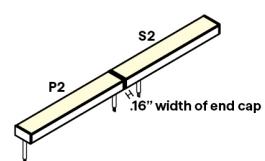
Single End Feed



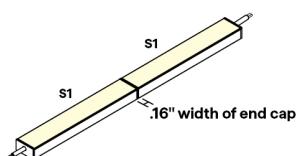
Connection by others
Non-Continuous End Feed



Connection by others
Non-Continuous Corner Feed



Continuous Bottom Feed



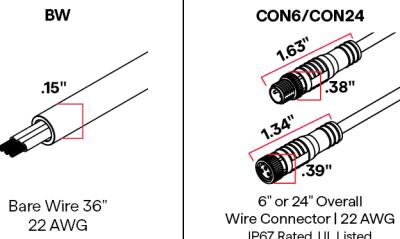
Single End Feed



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7 / 8 CONNECTOR/WIRE – IN/OUT



6" or 24" Overall
Wire Connector | 22 AWG
IP67 Rated, UL Listed

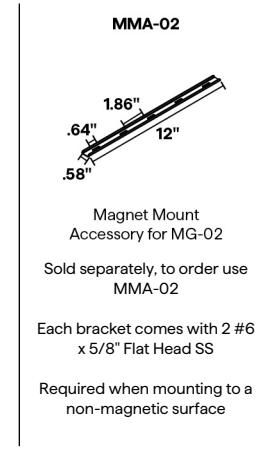
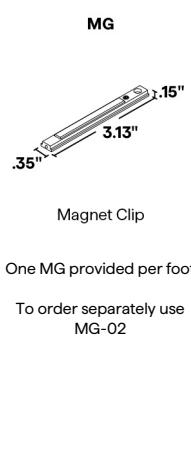
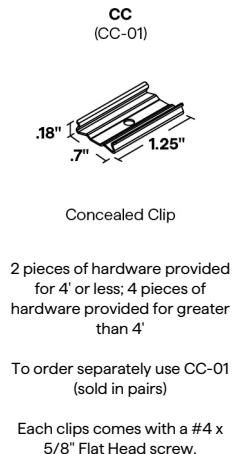
9 WIRE COLOR



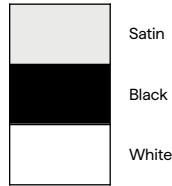
White

Black

11 MOUNTING



12 FINISH



Satin

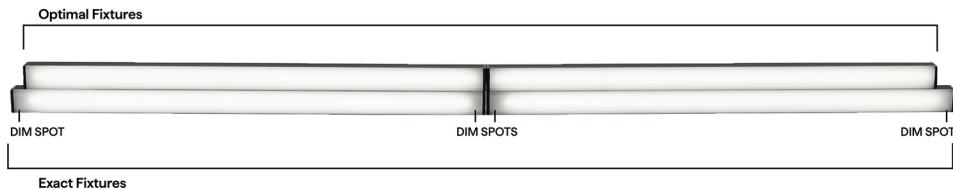
Black

White

Custom finishes require a longer lead time, consult factory

14 EXACT/OPTIMAL FIXTURE LENGTH

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





OPTI-FLAT (01) FOR TUNABLE APPLICATIONS

24VDC Linear Fixtures - Surface & Recessed

DW-HE DRY DMP LENGTHS BY INCH

Available in any length in between 12" and 98.43" not including end caps, chart below shows example lengths. Exact fixtures are the length specified. Optimal fixtures' length is rounded down with illumination end to end. All fixtures' tolerance is +0 - 1/8". Consult factory for lengths under 12".

EXACT LENGTH

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

OPTIMAL LENGTH

Requested Nominal Length	S1 & S2		P1 & P2	
	S1	S2	P1	P2
12"	10.51"	10.86"	10.86"	10.86"
13"	12.51"	12.86"	12.86"	12.86"
14"	12.51"	12.86"	12.86"	12.86"
15"	14.51"	14.86"	14.86"	14.86"
16"	14.51"	14.86"	14.86"	14.86"
17"	16.51"	16.86"	16.86"	16.86"
18"	16.51"	16.86"	16.86"	16.86"
19"	18.51"	18.86"	18.86"	18.86"
20"	18.51"	18.86"	18.86"	18.86"
21"	20.51"	20.86"	20.86"	20.86"
22"	20.51"	20.86"	20.86"	20.86"
23"	22.51"	22.86"	22.86"	22.86"
24"	22.51"	22.86"	22.86"	22.86"
36"	34.51"	34.86"	34.86"	34.86"
48"	46.51"	46.86"	46.86"	46.86"
60"	58.51"	58.86"	58.86"	58.86"
72"	70.51"	70.86"	70.86"	70.86"
84"	82.51"	82.86"	82.86"	82.86"
96"	94.51"	94.86"	94.86"	94.86"

DW-HE WET LENGTHS BY INCH

Available in any length in between 12" and 98.43" not including end caps, chart below shows example lengths. Exact fixtures are the length specified. Optimal fixtures' length is rounded down with illumination end to end. All fixtures' tolerance is +0 - 1/8". Consult factory for lengths under 12".

EXACT LENGTH

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

OPTIMAL LENGTH

Requested Nominal Length	S1 & S2		P1 & P2	
	S1	S2	P1	P2
12"	10.66"	11.06"	11.06"	11.06"
13"	12.66"	13.06"	13.06"	13.06"
14"	12.66"	13.06"	13.06"	13.06"
15"	14.66"	15.06"	15.06"	15.06"
16"	14.66"	15.06"	15.06"	15.06"
17"	16.66"	17.06"	17.06"	17.06"
18"	16.66"	17.06"	17.06"	17.06"
19"	18.66"	19.06"	19.06"	19.06"
20"	18.66"	19.06"	19.06"	19.06"
21"	20.66"	21.06"	21.06"	21.06"
22"	20.66"	21.06"	21.06"	21.06"
23"	22.66"	23.06"	23.06"	23.06"
24"	22.66"	23.06"	23.06"	23.06"
36"	34.66"	35.06"	35.06"	35.06"
48"	46.66"	47.06"	47.06"	47.06"
60"	58.66"	59.06"	59.06"	59.06"
72"	70.66"	71.06"	71.06"	71.06"
84"	82.66"	83.06"	83.06"	83.06"
96"	94.66"	95.06"	95.06"	95.06"



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COMPATIBLE POWER SUPPLIES

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

DIM TO LEVEL	INDOOR	OUTDOOR
	DW-HE Tunable Applications	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 QT-CAB-eLED+TW-AWN QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT8 QTM-eLED+DALI-DT8-AWN QTM-eLED+TW QTM-eLED+TW-AWN QZ-DMX	Q-SET-QZ-DMX QOM-eLED+DALI-DT6 QOM-eLED+DALI-DT8 QOM-eLED+PS-DALI-DT6 QOM-eLED+PS-DALI-DT8 QOM-eLED+TW QZ-DMX
1%	QZ-DALI-DT8	Q-SET+QZ-DALI-DT8 QZ-DALI-DT8
10%	Non-Dim Power Supply with TW App Dongle	

DIMMING PROTOCOL	INDOOR	OUTDOOR
	DW-HE Tunable Applications	DW-HE Tunable Applications
0-10V	QT-CAB-eLED+TW QT-CAB-eLED+TW-AWN QTM-eLED+TW QTM-eLED+TW-AWN	QOM-eLED+TW
Lutron Athena	QT-CAB-eLED+DALI-DT8-AWN QT-CAB-eLED+TW-AWN QTM-eLED+DALI-DT8-AWN QTM-eLED+TW-AWN	
DMX LED wattage must be doubled for DW-HE products	QZ-DMX	Q-SET-QZ-DMX 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	QOM-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	Q-SET+QZ-DALI-DT8 QOM-eLED+DALI-DT8 QZ-DALI-DT8
SCENE App Dimmed	Non-Dim Power Supply with TW App Dongle	



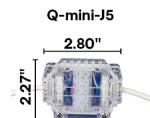
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COMPATIBLE MOUNTING ACCESSORIES

HINGE - HMB-M 1.41" 1.71"	HINGE - HMB-L 1.46" 1.29"	HINGE - HMB-XL 1.46" 4"	Q-PIVOT 75° 1.03"	Q-ANGLE 2.23" 1.38"	QUOVA-STANDARD 	NJ-LARGE 	NU-LARGE 	SD-J-LARGE 	BL-LARGE
Adjustable mounting bracket - Medium	Adjustable mounting bracket - Large	Adjustable mounting bracket - XLarge	Small mounting accessory	Adjustable mounting accessory	QUOVA Knife Edge	J Mounting Bracket	U Mounting Bracket	J Mounting Bracket	Backwards L Mounting Bracket
NL-LARGE 	SD-L-LARGE 	MMA-02 .58"							
L Mounting Bracket	L Mounting Bracket	Magnet Mount Accessory of MG-02							

COMPATIBLE WIRING ACCESSORIES



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

COMPATIBLE CONTROL ACCESSORIES



Wi-Fi or Bluetooth Connectivity

COMPATIBLE APPS

NFC APP



Read and write DMX addresses and adjust voltage