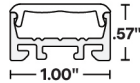
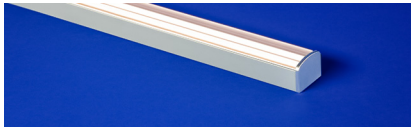




# OPTI-OPTICS (02) RGB

## 24VDC Linear Fixtures - Surface & Recessed



- Versatile surface and recessed mount linear LED fixture with an advanced assortment of optics
- Choose from nine lens options for varying diode visibility and beam angles
- Easy installation with options for concealed or magnet clip
- Durable anodized aluminum housings
- Red, Green, and Blue LED allows for color changing applications
- Consult factory for field assembly options

1	2	3	4	5	6	7	8	9	10	11	12	13	14
PRODUCT	WATTS/ FT	CCT	RATED	LENS	WIRE INPUT/ OUTPUT	CONNECTOR/ WIRE IN	CONNECTOR/ WIRE OUT	WIRE COLOR	WIRE TYPE	MOUNTING	FINISH	LENGTH (IN)	EXACT/ OPTIMAL
OP2RGB	6.0	RGB	DRY							CC			

Sample Part Number: **OP2RGB-6.0-RGB-DRY-155D-P1-CON6-CON6-WH-CL2-CC-WH-48"-E**

<div><div>1</div><div>PRODUCT</div><div>OP2RGB</div><div>See following pages for compatible power supplies.</div></div>	<div><div>2</div><div>WATTS/FT</div><div>6.06.0W/ft</div></div>	<div><div>3</div><div>CCT</div><div>RGB</div></div>	<div><div>4</div><div>RATED</div><div>DRYIP20</div></div>		
<div><div>5</div><div>LENS</div><div><div>40D</div><div>Optical 40°</div></div><div><div>60D</div><div>Optical 60°</div></div><div><div>70D</div><div>Optical 70°</div></div><div><div>90D</div><div>Optical 90°</div></div><div><div>110D</div><div>Optical 110°</div></div><div><div>155D</div><div>Optical 155°</div></div><div><div>180D</div><div>Optical 180°</div></div><div><div>ASYM</div><div>Asymmetric</div></div><div><div>FT</div><div>Forward Throw</div></div><div>For representation of LED visibility, see Diode Visibility section on following pages.</div><div>For beam angles, see Photometric Performance section on following pages</div></div>	<div><div>6</div><div>WIRE INPUT/OUTPUT</div><div><div><div>S1</div><div>Single 1 (Input only) - End Feed</div></div><div><div>S2</div><div>Single 2 (Input only) - Bottom Feed</div></div><div>For continuous mounting, consider bottom feed.</div></div><div><div><div>P1</div><div>Pass Through 1 (Input/output) - End Feed</div></div><div><div>P2</div><div>Pass Through 2 (Input/output) - Bottom Feed</div></div><div>For continuous mounting, consider bottom feed.</div></div><div><div><div>S1A</div><div>Single 1 (Input only) - End Feed</div></div><div><div>S1B</div><div>Single 1 (Input only) - End Feed</div></div><div><div>S2A</div><div>Single 2 (Input only) - Bottom Feed</div></div><div><div>S2B</div><div>Single 2 (Input only) - Bottom Feed</div></div><div>For continuous mounting, consider bottom feed.</div></div><div><div><div>P1A</div><div>Pass Through 1 (Input/output) - End Feed</div></div><div><div>P1B</div><div>Pass Through 1 (Input/output) - End Feed</div></div><div><div>P2A</div><div>Pass Through 2 (Input/output) - Bottom Feed</div></div><div><div>P2B</div><div>Pass Through 2 (Input/output) - Bottom Feed</div></div><div>For continuous mounting, consider bottom feed.</div></div></div>	<div><div>7</div><div>CONNECTOR/WIRE IN</div><div><div><div>BW</div><div>Bare Wire (Standard 36")</div></div><div><div>CON6</div><div>Connector 6"</div></div><div><div>CON24</div><div>Connector 24"</div></div><div>BW: Standard length is 36". Max length is 120". Request custom length by writing in part number next to BW (example: BW48)</div></div><div><div><div>BW</div><div>Bare Wire (Standard 36")</div></div><div><div>CON6</div><div>Connector 6"</div></div><div><div>CON24</div><div>Connector 24"</div></div><div>BW: Standard length is 36". Max length is 120". Request custom length by writing in part number next to BW (example: BW48)</div></div><div><div><div>BW</div><div>Bare Wire (Standard 36")</div></div><div><div>CON6</div><div>Connector 6"</div></div><div><div>CON24</div><div>Connector 24"</div></div><div>BW: Standard length is 36". Max length is 120". Request custom length by writing in part number next to BW (example: BW48)</div></div><div><div><div>BW</div><div>Bare Wire (Standard 36")</div></div><div><div>CON6</div><div>Connector 6"</div></div><div><div>CON24</div><div>Connector 24"</div></div><div>BW: Standard length is 36". Max length is 120". Request custom length by writing in part number next to BW (example: BW48)</div></div></div>	<div><div>8</div><div>CONNECTOR/WIRE OUT</div><div><div><div>CLS</div><div>Closed End (No feed)</div></div></div><div><div><div>BW</div><div>Bare Wire (Standard 36")</div></div><div><div>CON6</div><div>Connector 6"</div></div><div><div>CON24</div><div>Connector 24"</div></div><div>BW: Standard length is 36". Max length is 120". Request custom length by writing in part number next to BW (example: BW48)</div></div><div><div><div>CLS</div><div>Closed End (No feed)</div></div></div><div><div><div>BW</div><div>Bare Wire (Standard 36")</div></div><div><div>CON6</div><div>Connector 6"</div></div><div><div>CON24</div><div>Connector 24"</div></div><div>BW: Standard length is 36". Max length is 120". Request custom length by writing in part number next to BW (example: BW48)</div></div></div>		
<div><div>9</div><div>WIRE COLOR</div><div><div>WH</div><div>White</div></div><div><div>BK</div><div>Black</div></div></div>	<div><div>10</div><div>WIRE TYPE</div><div><div>CL2</div><div>Class 2</div></div><div><div>CL2P</div><div>Plenum Rated</div></div><div>CL2P only available with bare wire leads (BW)</div></div>	<div><div>11</div><div>MOUNTING</div><div><div>CC</div><div>Concealed Clip</div></div></div>	<div><div>12</div><div>FINISH</div><div><div>ST</div><div>Satin</div></div><div><div>BK</div><div>Black</div></div><div><div>WH</div><div>White</div></div><div><div>CU</div><div>Custom</div></div></div>	<div><div>13</div><div>LENGTH (IN)</div><div>Minimum length is 12", maximum length is 98.43" not including end caps. Contact us for lengths under 12".</div></div>	<div><div>14</div><div>EXACT/OPTIMAL</div><div><div>O</div><div>Optimal Illumination</div></div><div><div>E</div><div>Exact Specified Length</div></div><div>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.</div></div>

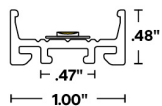
5 year warranty | Warranty only valid with QTL power supplies | Field modifications void warranty | Data subject to change, all data has +/- 5% tolerance



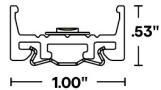
# OPTI-OPTICS (02) RGB

24VDC Linear Fixtures - Surface & Recessed

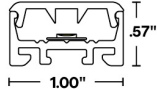
## 1 PRODUCT - DIMENSIONS



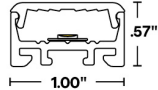
Profile



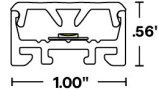
Profile with  
concealed clip



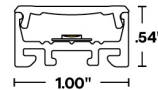
Profile with 40D lens



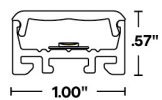
Profile with 60D lens



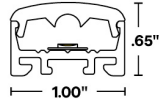
Profile with 70D lens



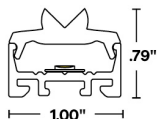
Profile with 90D lens



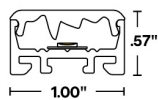
Profile with 110D lens



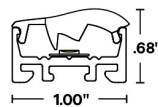
Profile with 155D lens



Profile with 180D lens



Profile with asymmetric lens



Profile with  
forward throw lens

## 2 DELIVERED LUMENS

[Calculated L70 = 52000 hrs]  
Tested with OP2RGB-6.0-RGB-DRY-\*\*

	Red		Green		Blue		All
	LM/FT	Wavelength	LM/FT	Wavelength	LM/FT	Wavelength	
40D	64	631	182	523	54	469	292
60D	60	630	167	521	51	469	268
70D	62	631	173	519	52	469	278
90D	61	630	170	521	52	469	273
110D	59	631	165	522	49	469	265
155D	59	631	169	521	50	469	271
180D	60	631	168	521	50	469	270
ASYM	59	631	170	521	52	469	273
FT	49	630	146	521	45	468	234

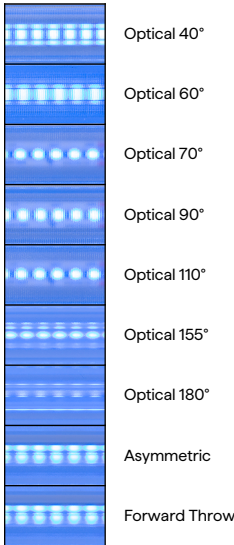


OPTI-OPTICS (02) RGB

24VDC Linear Fixtures - Surface & Recessed

5

DIODE VISIBILITY

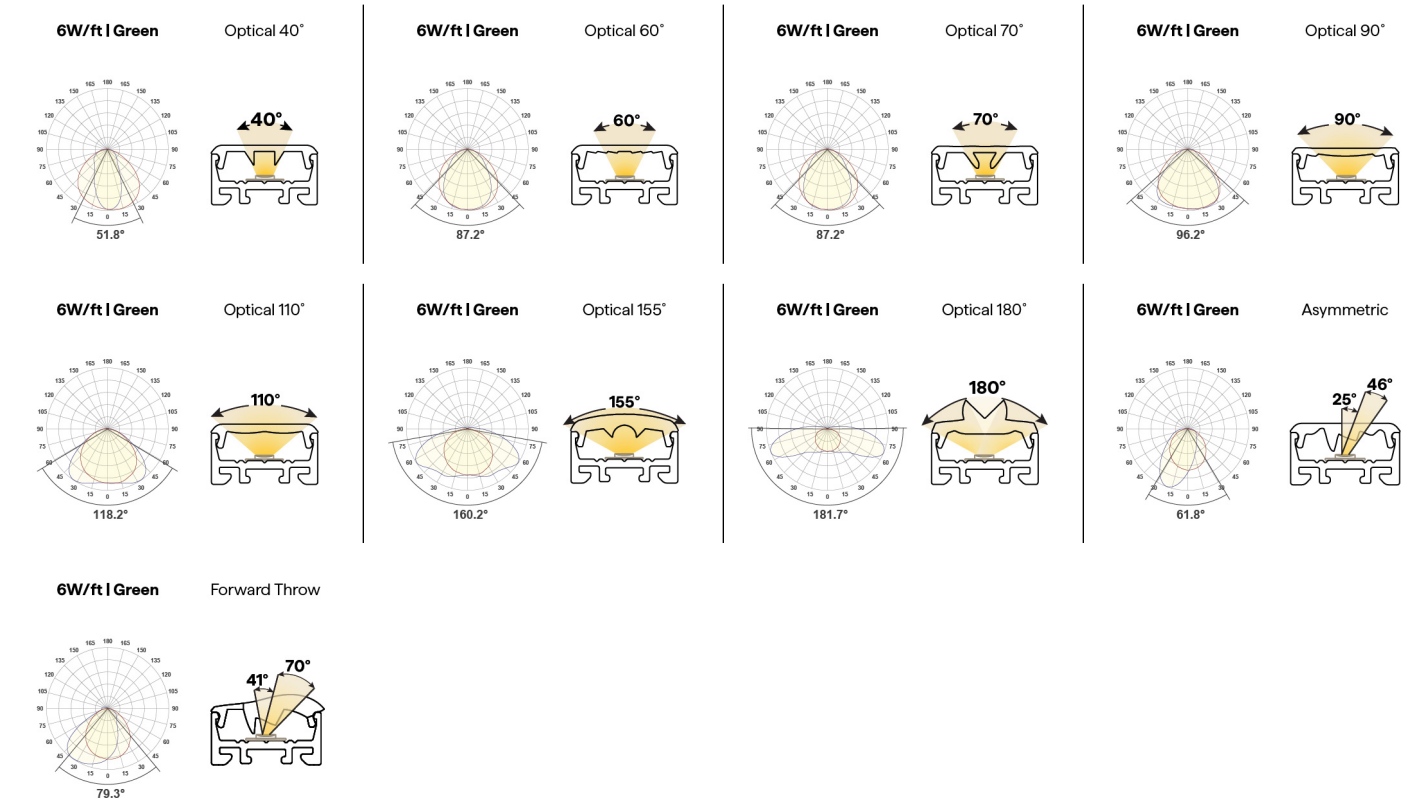


TEMPERATURE RATINGS

		6.0 W/FT	
		Min	Max
DRY	Ambient Operating Temp - Surface	-13°F	110°F

PHOTOMETRIC PERFORMANCE

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



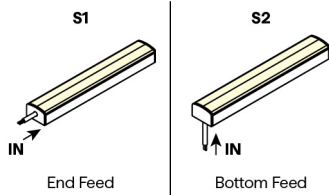


# OPTI-OPTICS (02) RGB

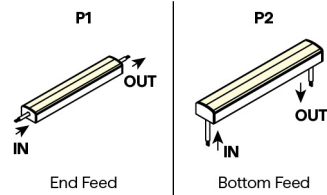
24VDC Linear Fixtures - Surface & Recessed

## 6 WIRE INPUT/OUTPUT

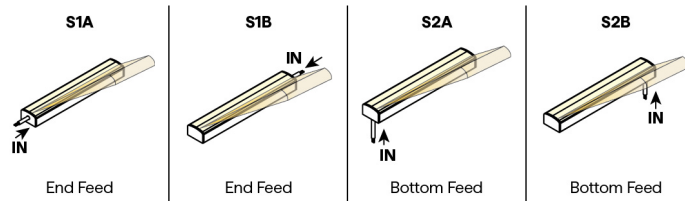
SINGLE (Input only)



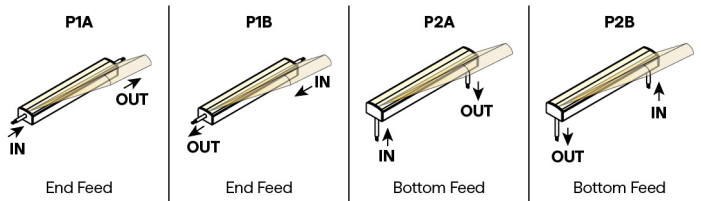
PASS THROUGH (Input/Output)



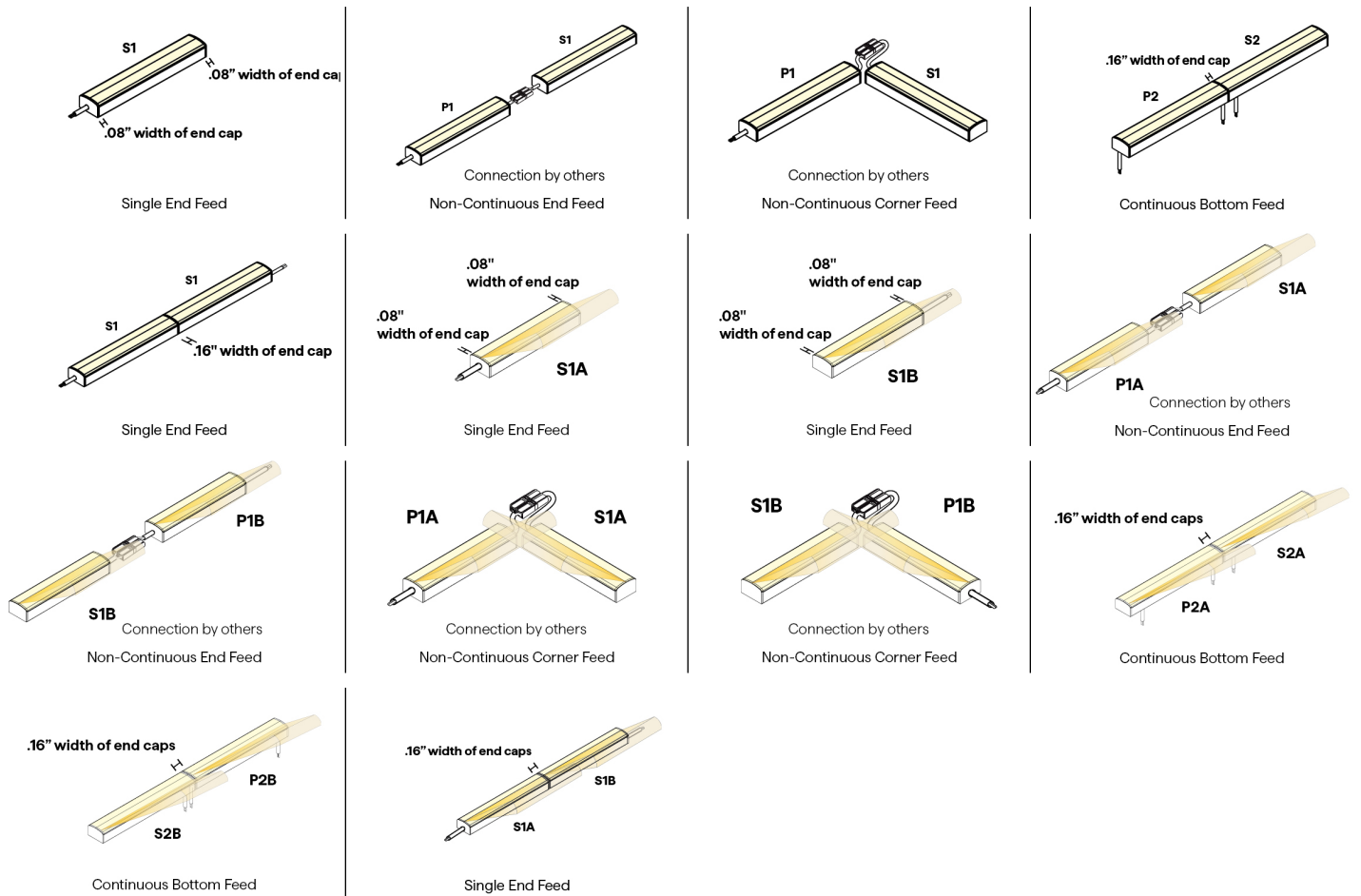
ASYMMETRIC ONLY SINGLE (Input only)



ASYMMETRIC ONLY PASS THROUGH (Input/Output)



## CONFIGURATION OPTIONS

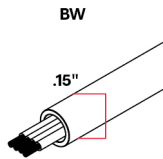




## OPTI-OPTICS (02) RGB

24VDC Linear Fixtures - Surface & Recessed

### 7 / 8 CONNECTOR/WIRE - IN/OUT



Bare Wire 36"  
22 AWG



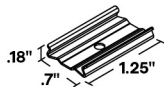
6" or 24" Overall  
Wire Connector | 24 AWG  
IP67 Rated, UL Listed

### 9 WIRE COLOR



### 11 MOUNTING

CC  
(CC-01)



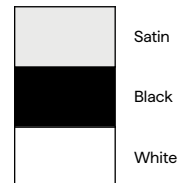
Concealed Clip

2 pieces of hardware provided  
for 4' or less; 4 pieces of  
hardware provided for greater  
than 4'

To order separately use CC-01

Each clips comes with a #4 x  
5/8" Flat Head screw.

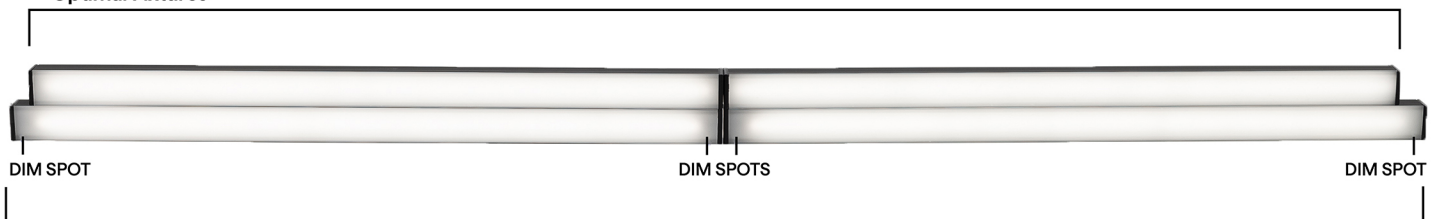
### 12 FINISH



### 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.

#### Optimal Fixtures



#### Exact Fixtures



# OPTI-OPTICS (02) RGB

## 24VDC Linear Fixtures - Surface & Recessed

### RGB DRY 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 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: highlighted rows are closest to requested nominal length

Requested Nominal Length	S1 & S1A/B & S2 & S2A/B		P1 & P1A/B & P2 & P2A/B	
	S1	S2	P1	P2
12"	10.51"		10.86"	
13"	12.51"		12.86"	
14"	12.51"		12.86"	
15"	14.51"		14.86"	
16"	14.51"		14.86"	
17"	16.51"		16.86"	
18"	16.51"		16.86"	
19"	18.51"		18.86"	
20"	18.51"		18.86"	
21"	20.51"		20.86"	
22"	20.51"		20.86"	
23"	22.51"		22.86"	
24"	22.51"		22.86"	
36"	34.51"		34.86"	
48"	46.51"		46.86"	
60"	58.51"		58.86"	
72"	70.51"		70.86"	
84"	82.51"		82.86"	
96"	94.51"		94.86"	

### COMPATIBLE POWER SUPPLIES

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

DIM TO LEVEL	INDOOR
	RGB
0.1%	QT-CAB-eLED+DALI-DT8 QT-CAB-eLED+DMX QTM-eLED+DALI-DT8 QTM-eLED+DMX QZ-DMX
1%	QZ-DALI-DT8
10%	Non-Dim Power Supply with RGB App Dongle

DIMMING PROTOCOL	INDOOR
	RGB
DMX	QTM-eLED+DMX QZ-DMX
DALI-2: DT8	QT-CAB-eLED+DALI-DT8 QTM-eLED+DALI-DT8 QZ-DALI-DT8
SCENE App Dimmed	Non-Dim Power Supply with RGB App Dongle



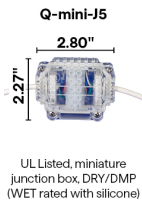
# OPTI-OPTICS (02) RGB

## 24VDC Linear Fixtures - Surface & Recessed

### COMPATIBLE MOUNTING ACCESSORIES

HINGE - HMB-M	HINGE - HMB-M	HINGE - HMB-M	HINGE - HMB-M	HINGE - HMB-M	HINGE - HMB-M	HINGE - HMB-M	HINGE - HMB-M	HINGE - HMB-M	HINGE - HMB-M
									
Adjustable mounting bracket - Medium	Adjustable mounting bracket - Medium	Adjustable mounting bracket - Medium	Adjustable mounting bracket - Medium	Adjustable mounting bracket - Medium	Adjustable mounting bracket - Medium	Adjustable mounting bracket - Medium	Adjustable mounting bracket - Medium	Adjustable mounting bracket - Medium	Adjustable mounting bracket - Medium
HINGE - HMB-M	HINGE - HMB-M	HINGE - HMB-M	HINGE - HMB-M	HINGE - HMB-M	HINGE - HMB-M	HINGE - HMB-M	HINGE - HMB-M	HINGE - HMB-M	HINGE - HMB-M
									
Adjustable mounting bracket - Medium	Adjustable mounting bracket - Medium	Adjustable mounting bracket - Medium	Adjustable mounting bracket - Medium	Adjustable mounting bracket - Medium	Adjustable mounting bracket - Medium	Adjustable mounting bracket - Medium	Adjustable mounting bracket - Medium	Adjustable mounting bracket - Medium	Adjustable mounting bracket - Medium
HINGE - HMB-M	HINGE - HMB-M	HINGE - HMB-M	HINGE - HMB-M	HINGE - HMB-M	HINGE - HMB-M	HINGE - HMB-M	HINGE - HMB-M	HINGE - HMB-M	HINGE - HMB-M
									
Adjustable mounting bracket - Medium	Adjustable mounting bracket - Medium	Adjustable mounting bracket - Medium	Adjustable mounting bracket - Medium	Adjustable mounting bracket - Medium	Adjustable mounting bracket - Medium	Adjustable mounting bracket - Medium	Adjustable mounting bracket - Medium	Adjustable mounting bracket - Medium	Adjustable mounting bracket - Medium

### COMPATIBLE WIRING ACCESSORIES



### COMPATIBLE CONTROL ACCESSORIES



### COMPATIBLE APPS

