



ESSENTIALS VEVE™-FLAT (01)

WD APPLICATIONS

24VDC Linear Fixtures - Corner & Surface



- Corner and surface mount linear fixture with flat lens
- Choose from diffused, polar, frosted, or clear lens options for varying diode visibility and beam angles
- Two cutoff options when using clear lens
- Mounting options include stainless steel clips, magnets, and low-profile magnet mounts
- Features painted end caps to match extrusion finish
- Suitable for installation in the storage area of a clothes closet when specified with LEDs at 4.0 watts or less per foot per NEC regulations
- Can be suitable for exterior use when specified as wet, contact factory for more information
- Used in applications to provide warmer CCTs as the light is dimmed
- When using DALI and DMX power supplies, LED wattage must be doubled

INFORMATION REQUIRED FOR LIGHTING SCHEDULE

| 1 | 2 | 3 | 4 | 5 | 6 |
|---------|----------|-----|-------|------------|------|
| PRODUCT | WATTS/FT | CCT | RATED | EFFICIENCY | LENS |
| | | | | STD | |

ADDITIONAL INFORMATION REQUIRED TO ORDER

| 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|-------------------|-------------------|--------------------|------------|-----------|----------|--------|-------------|---------------|
| WIRE INPUT/OUTPUT | CONNECTOR/WIRE IN | CONNECTOR/WIRE OUT | WIRE COLOR | WIRE TYPE | MOUNTING | FINISH | LENGTH (IN) | EXACT/OPTIMAL |
| | | | | | | | | |

Sample Part Number: VV1WD-6.0-19/30-DRY-STD-DF-P1-BW-BW-BK-CL2-SST-BK-48"-E

| | | | | | |
|---|--|--|---|---|--|
| 1 PRODUCT VV1WD LED engine is built with 2 wires suitable for phase dimming control. See following pages for compatible power supplies. | 2 WATTS/FT 6.0 6.0W/ft 1.5HE 1.5W/ft HE 2.5HE 2.5W/ft HE 1.5HE 1.5W/ft HE 2.5HE 2.5W/ft HE | 3 CCT 19/27 1900K/2700K 19/30 1900K/3000K 20/27 2000K/2700K 20/30 2000K/3000K 27/40 2700K/4000K 27/55 2700K/5500K 24/30 2400K/3000K 27/40 2700K/4000K | 4 RATED DRY IP20 DRY IP20 DMP IP54 | 5 EFFICIENCY STD Standard | 6 LENS DF Diffused PR Polar FR Frosted CL Clear For representation of LED visibility, see Diode Visibility section on following pages. For beam angles, see Photometric Performance section on following pages |
| 7 WIRE INPUT/OUTPUT SINGLE (Input only) S1 End Feed | 8 CONNECTOR/WIRE IN BW Bare Wire (Standard 24") BRL Barrel CON6 Connector 6" CON24 Connector 24" BRL only available with VV1WD. BW: Standard length is 24", Max length is 120". Request custom length by writing in part number next to BW (example: BW48) | 9 CONNECTOR/WIRE OUT CLS Closed End (No feed) | 10 WIRE COLOR WH White BK Black N/A For Barrel wet barrel only available in black | | |
| PASS THROUGH (Input/output) P1 End Feed | BW Bare Wire (Standard 24") BRL Barrel CON6 Connector 6" CON24 Connector 24" BRL only available with VV1WD. 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") BRL Barrel CON6 Connector 6" CON24 Connector 24" BRL only available with VV1WD. BW: Standard length is 24", Max length is 120". Request custom length by writing in part number next to BW (example: BW48) | | | |
| 11 WIRE TYPE CL2 Class 2 CL2P Plenum Rated N/A For Barrel CL2P only available with bare wire leads (BW) | 12 MOUNTING SST Stainless Steel M4 Low Profile Magnet MG Magnet | 13 FINISH ST Satin BK Black BZ Bronze CU Custom Custom finishes require a longer lead time, consult factory | 14 LENGTH (IN) Minimum length is 12", maximum length is 98" not including end caps. Contact us for lengths under 12". | 15 EXACT/OPTIMAL O Optimal Illumination E 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. See Exact/Optimal Fixture Length charts. | |

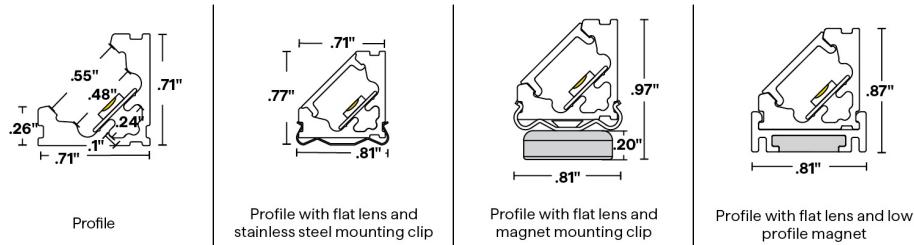
5 year warranty | Warranty only valid with QTL power supplies | Field modifications void warranty | Data subject to change, all data has +/- 5% tolerance



ESSENTIALS VEVE™-FLAT (01) WD APPLICATIONS

24VDC Linear Fixtures - Corner & Surface

1 PRODUCT - DIMENSIONS



2 DELIVERED LUMENS

[Calculated L70 = 70000 hrs]
Tested with VV1WD-6.0-30-DRY-STD

| | 3000K | |
|----|-------|-----|
| | LM/FT | CRI |
| CL | 438 | 97 |
| FR | 427 | 97 |
| PR | 403 | 97 |
| DF | 356 | 97 |

[Calculated L70 = 70000 hrs]
Tested with VV1DW-**-30-DRY-STD

| | 1.5HE W/FT | | 2.5HE W/FT | |
|----|------------|-----|------------|-----|
| | LM/FT | CRI | LM/FT | CRI |
| CL | 140 | 98 | 221 | 98 |
| FR | 138 | 98 | 217 | 98 |
| PR | 126 | 98 | 198 | 98 |
| DF | 115 | 98 | 181 | 98 |

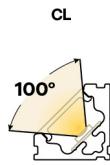
6 DIODE VISIBILITY



DF - Diffused lens
PR - Polar lens
FR - Frosted lens
CL - Clear lens

PHOTOMETRIC PERFORMANCE

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



Clear 100°

TEMPERATURE RATINGS

| | | WD 1.5 HE W/FT | | WD 3.0 HE W/FT | | WD 2.5 HE W/FT | | WD 5.0 HE W/FT | | | |
|-----|----------------------------------|----------------|-------|---------------------------------------|-----|------------------------------------|-----|---------------------------------------|-----|------------------------------------|-----|
| | | WD 6.0 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 | |
| | | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max |
| DRY | Ambient Operating Temp - Surface | -4°F | 120°F | -4 | 145 | -4 | 130 | -4 | 140 | -4 | 120 |
| DMP | Ambient Operating Temp - Surface | ** | ** | -4 | 140 | -4 | 125 | -4 | 135 | -4 | 115 |
| WET | Ambient Operating Temp - Surface | ** | ** | ** | ** | ** | ** | ** | ** | ** | ** |

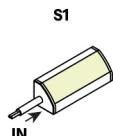


ESSENTIALS VEVE™-FLAT (01) WD APPLICATIONS

24VDC Linear Fixtures - Corner & Surface

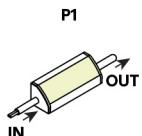
7 WIRE INPUT/OUTPUT

SINGLE (Input only)



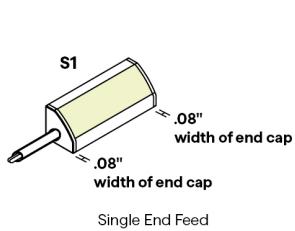
End Feed

PASS THROUGH (Input/Output)

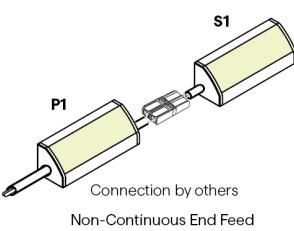


End Feed

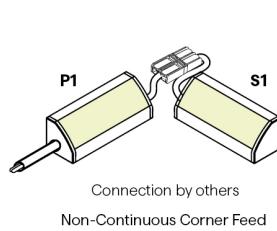
CONFIGURATION OPTIONS



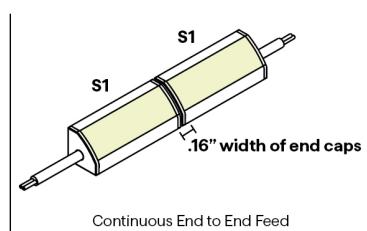
Single End Feed



Non-Continuous End Feed



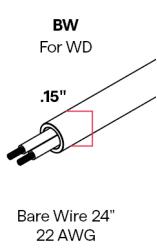
Non-Continuous Corner Feed



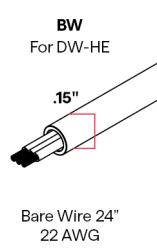
Continuous End to End Feed

8 / 9 CONNECTOR/WIRE – IN/OUT

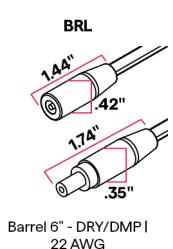
Connector/Wire In or Out not needed to specify product. Standard configuration is BW for Wire In and CLS for Wire out



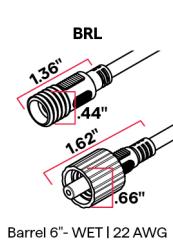
Bare Wire 24"
22 AWG



Bare Wire 24"
22 AWG



Barrel 6" - DRY/DMP |
22 AWG

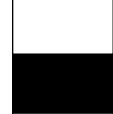


Barrel 6" - WET | 22 AWG



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

10 WIRE COLOR



White

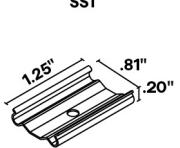
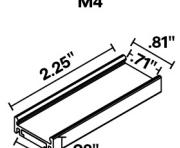
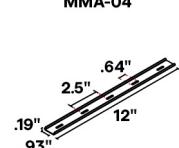
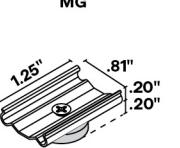
Black



ESSENTIALS VEVE™-FLAT (01) WD APPLICATIONS

24VDC Linear Fixtures - Corner & Surface

12 MOUNTING

| SST | M4 | MMA-04 | MG |
|---|---|--|--|
|  Stainless Steel Clip 2 clips provided for 4' or less; 4 clips provided for greater than 4' To order separately use SST-01 Each clip comes with a #4 x 5/8" Flat Head SS |  Low Profile Magnet One M4 provided per foot. To order separately use MG-04 |  Magnet Mount Accessory for M4 Sold separately, to order use MMA-04 Each bracket comes with 2 #6 x 5/8" Flat Head SS Required when mounting to a non-magnetic surface |  Magnet Clip One MG provided per foot To order separately use MG-01 |
| | | | |

13 FINISH



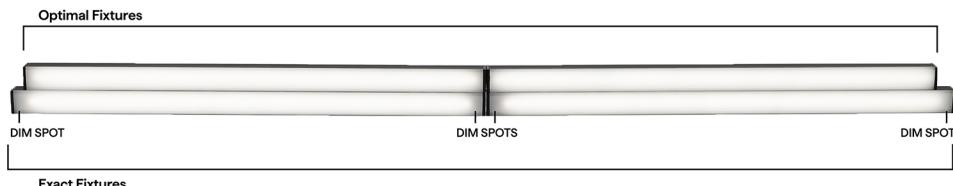
Custom finishes require a longer lead time, consult factory

MMA-01

| |
|--|
|  Magnet Mount Accessory of MG-01 Sold separately, to order use MMA-01 Each bracket comes with 2 #6 x 5/8" Flat Head SS Required when mounting to a non-magnetic surface |
|--|

15 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.





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24VDC Linear Fixtures - Corner & Surface

WD DRY, DMP LENGTHS BY INCH

Available in any length in between 12" and 98.43", 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 | P1 |
|--------------------------|--------|--------|
| 12" | | |
| 13" | 10.41" | 12.66" |
| 14" | 12.41" | 12.66" |
| 15" | 12.41" | 14.66" |
| 16" | 14.41" | 14.66" |
| 17" | 16.41" | 16.66" |
| 18" | 16.41" | 16.66" |
| 19" | 18.41" | 18.66" |
| 20" | 18.41" | 18.66" |
| 21" | 20.41" | 20.66" |
| 22" | 20.41" | 20.66" |
| 23" | 22.41" | 22.66" |
| 24" | 22.41" | 22.66" |
| 36" | 34.41" | 34.66" |
| 48" | 46.41" | 46.66" |
| 60" | 58.41" | 58.66" |
| 72" | 70.41" | 70.66" |
| 84" | 82.41" | 82.66" |
| 96" | 94.41" | 94.66" |

WD WET LENGTHS BY INCH

Available in any length in between 12" and 98.43", 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 | P1 |
|--------------------------|--------|--------|
| 12" | | |
| 13" | 12.61" | 12.76" |
| 14" | 12.61" | 12.76" |
| 15" | 14.61" | 14.76" |
| 16" | 14.61" | 14.76" |
| 17" | 16.61" | 16.76" |
| 18" | 16.61" | 16.76" |
| 19" | 18.61" | 18.76" |
| 20" | 18.61" | 18.76" |
| 21" | 20.61" | 20.76" |
| 22" | 20.61" | 20.76" |
| 23" | 22.61" | 22.76" |
| 24" | 22.61" | 22.76" |
| 36" | 34.61" | 34.76" |
| 48" | 46.61" | 46.76" |
| 60" | 58.61" | 58.76" |
| 72" | 70.61" | 70.76" |
| 84" | 82.61" | 82.76" |
| 96" | 94.61" | 94.76" |



ESSENTIALS VEVE™-FLAT (01) WD APPLICATIONS

24VDC Linear Fixtures - Corner & Surface

DW-HE DRY, DMP LENGTHS BY INCH

Available in any length in between 12" and 98.43", 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 | P1 |
|--------------------------|--------|--------|
| 12" | | |
| 13" | 10.51" | 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" |

DW-HE WET LENGTHS BY INCH

Available in any length in between 12" and 98.43", 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 | P1 |
|--------------------------|--------|--------|
| 12" | | |
| 13" | 12.66" | 11.06" |
| 14" | 12.66" | 13.06" |
| 15" | 14.66" | 13.06" |
| 16" | 14.66" | 15.06" |
| 17" | 16.66" | 15.06" |
| 18" | 16.66" | 17.06" |
| 19" | 18.66" | 17.06" |
| 20" | 18.66" | 19.06" |
| 21" | 20.66" | 19.06" |
| 22" | 20.66" | 21.06" |
| 23" | 22.66" | 21.06" |
| 24" | 22.66" | 23.06" |
| 36" | 34.66" | 35.06" |
| 48" | 46.66" | 47.06" |
| 60" | 58.66" | 59.06" |
| 72" | 70.66" | 71.06" |
| 84" | 82.66" | 83.06" |
| 96" | 94.66" | 95.06" |



ESSENTIALS VEVE™-FLAT (01) WD APPLICATIONS

24VDC Linear Fixtures - Corner & Surface

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 | WD |
| 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 | QT-CAB-QZ-PH/0-10V QT-CAB-eLED+0-10V QT-CAB-eLED+DALI-DT6 QT-CAB-eLED+DALI-DT8-AWN QTM-eLED+0-10V QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT8-AWN QZ-BOWTIE+DIMMER QZ-DMX QZ-PH/0-10V QZ-STICK-PH/0-10V QZLP |
| 1% | QZ-DALI-DT8 | QTM-eLED(E) QZ-DALI-DT6 |
| 10% | Non-Dim Power Supply with WD App Dongle | Non-Dim Power Supply with SW App Dongle |

| DIMMING PROTOCOL | INDOOR | |
|--|---|---|
| | DW-HE Warm Dim Applications | WD |
| Phase | QZ-DW | QT-CAB-QZ-PH/0-10V QTM-eLED(E) QZ-BOWTIE+DIMMER QZ-PH/0-10V QZ-STICK-PH/0-10V QZLP |
| 0-10V | QT-CAB-eLED+WD QT-CAB-eLED+WD-AWN QTM-eLED+WD QTM-eLED+WD-AWN QZ-DW | QT-CAB-QZ-PH/0-10V QT-CAB-eLED+0-10V QTM-eLED+0-10V QZ-PH/0-10V QZ-STICK-PH/0-10V QZLP |
| Lutron Athena | QT-CAB-eLED+DALI-DT8-AWN QT-CAB-eLED+WD-AWN QTM-eLED+DALI-DT8-AWN QTM-eLED+WD-AWN | QT-CAB-eLED+DALI-DT6-AWN QTM-eLED+DALI-DT6-AWN |
| ECO System | | QTM-eLED(E) |
| DMX If using DW LED, wattage must be doubled | | QZ-DMX |
| DALI-2: DT6 If using DW LED, wattage must be doubled except for AWN | QT-CAB-eLED+DALI-DT6 QTM-eLED+DALI-DT6 | QT-CAB-eLED+DALI-DT6 QT-CAB-eLED+DALI-DT6-AWN QTM-eLED+DALI-DT6 QTM-eLED+DALI-DT6-AWN QZ-DALI-DT6 |
| DALI-2: DT8 If using DW LED, wattage must be doubled 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 | Non-Dim Power Supply with SW App Dongle |



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24VDC Linear Fixtures - Corner & Surface

COMPATIBLE MOUNTING ACCESSORIES

| | | | | | | | | | |
|--|---|---|--|---|--|---|---|--|--|
| HINGE - HMB-M  1.41" .71" | HINGE - HMB-L  1.46" 1.29" | HINGE - HMB-XL  1.46" 4" | Q-PIVOT  .75" 1.03" | Q-ANGLE  1.38" 2.23" | QUOVA-STANDARD  | NJ-LARGE  | NJ-MEDIUM  | 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 | J Mounting Bracket | J Mounting Bracket | Backwards L Mounting Bracket |
| NL-LARGE  | SD-L-LARGE  | SD-L-MEDIUM  | MMA-01  1.23" .75" | MMA-04  1.19" .93" | Magnet Mount Accessory of MG-01 | Magnet Mount Accessory of MG-04 | | | |
| L Mounting Bracket | L Mounting Bracket | L Mounting Bracket | | | | | | | |