

Features & Benefits

Rugged One-Piece Die-Cast Aluminum Housing with Complete Heat Sink

Suitable for Mounting Heights Ranging from 26-50'; Ambient from -40° F to 113° F

Adjustable Power and CCT

Round Pole, Square Pole, Slipfitter or Wall Mount Included

Available in Type 2, Type 3, Type 4, and Type 5 Light Distributions

Remote PIR Sensor, Photocell

Mounting Adapters for all Applications

UL for Wet Location, IP66 Rated

The Optics can Conform to Dark Sky Requirement

Estimated 100,000-hour LED lifespan based on IES LM-80 and TM-21 Calculations

5-Year Limited Warranty; Extended Labor Warranty Available Upon Request

Medium Size: 100W/140W/180W



Large Size: 250W/300W/400W



Housing

The one-piece die-cast housing with corrosion-resistant coating protection and the modular design extend the life of the luminaire while making it easy to maintain.

Photocell

Dusk to dawn controls can be utilized via optional NEMA twist-lock photocell.

CCT & POWER Adjustable

Offer four selectable lumen output (40%/60%/80%/100%), and three selectable CCTs (30K/40K/50K)

Mounting

The Enhanced Up and Down Adjustable Pole Mounting is designed to fit perfectly onto 4-inch and 5-inch round or square poles.

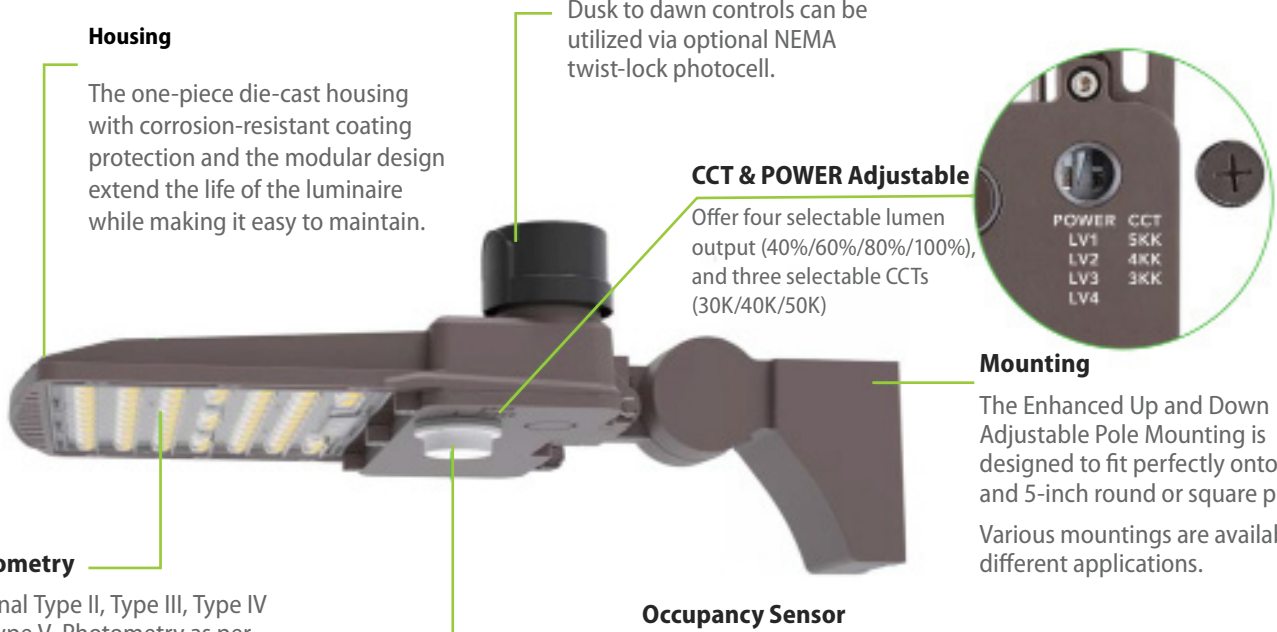
Various mountings are available for different applications.

Photometry

Optional Type II, Type III, Type IV and Type V Photometry as per applications.

Occupancy Sensor

Optional occupancy sensor allows for security and energy saving.



Technical Parameters

Power	Light Output	Input	Operating Temperature	Efficacy
100W - 400W	6,560 lm - 260,000 lm	120-277V / 347/480V	-40° F to 113° F	Up to 175 lm/W

Color Temperature	CRI	Certifications	Photocell	Motion Sensor
3000K, 4000K, 5000K	70 CRI	UL Wet Location Listed	Twist Lock	Bi-Level PIR Sensor

Driver	Surge Protection	Light Distribution	Finish	
1-10V Dimming	10K	Types 2, 3, 4, 5	DB, W, B, SG	

Note: 0-10V Dimming Driver Available Upon Request

Performance Data

ALGT-100W									
Setting	System Watts	Dist. Type	CRI	3000K		4000K		5000K	
				Lumens	LPW	Lumens	LPW	Lumens	LPW
100%	100W	2	70	14500 lm	145 lm/W	15800 lm	158 lm/W	15000 lm	150 lm/W
		3	70	14500 lm	145 lm/W	15800 lm	158 lm/W	15000 lm	150 lm/W
		4	70	14500 lm	145 lm/W	15800 lm	158 lm/W	15000 lm	150 lm/W
		5	70	15100 lm	151 lm/W	16000 lm	160 lm/W	15600 lm	156 lm/W
80%	80W	2	70	12000 lm	150 lm/W	13000 lm	163 lm/W	12500 lm	156 lm/W
		3	70	12000 lm	150 lm/W	13000 lm	163 lm/W	12500 lm	156 lm/W
		4	70	12000 lm	150 lm/W	13000 lm	163 lm/W	12500 lm	156 lm/W
		5	70	12500 lm	156 lm/W	13300 lm	166 lm/W	12800 lm	160 lm/W
60%	60W	2	70	9300 lm	155 lm/W	10000 lm	167 lm/W	9600lm	160 lm/W
		3	70	9300 lm	155 lm/W	10000 lm	167 lm/W	9600lm	160 lm/W
		4	70	9300 lm	155 lm/W	10000 lm	167 lm/W	9600lm	160 lm/W
		5	70	9600 lm	160 lm/W	10200 lm	170 lm/W	9850lm	164 lm/W
40%	40W	2	70	6400 lm	160 lm/W	6800 lm	170 lm/W	6560lm	164 lm/W
		3	70	6400 lm	160 lm/W	6800 lm	170 lm/W	6560lm	164 lm/W
		4	70	6400 lm	160 lm/W	6800 lm	170 lm/W	6560lm	164 lm/W
		5	70	6560 lm	164 lm/W	7000 lm	175 lm/W	6700lm	168 lm/W

ALGT-140W									
Setting	System Watts	Dist. Type	CRI	3000K		4000K		5000K	
				Lumens	LPW	Lumens	LPW	Lumens	LPW
100%	140W	2	70	20000lm	147 lm/W	23000lm	164 lm/W	21000lm	150 lm/W
		3	70	20000lm	147 lm/W	23000lm	164 lm/W	21000lm	150 lm/W
		4	70	20000lm	147 lm/W	23000lm	164 lm/W	21000lm	150 lm/W
		5	70	21000lm	150 lm/W	23500lm	168 lm/W	21500lm	154 lm/W
80%	120W	2	70	18000lm	150 lm/W	20000lm	167 lm/W	18500lm	154 lm/W
		3	70	18000lm	150 lm/W	20000lm	167 lm/W	18500lm	154 lm/W
		4	70	18000lm	150 lm/W	20000lm	167 lm/W	18500lm	154 lm/W
		5	70	18500lm	154 lm/W	20500lm	171 lm/W	19000lm	158 lm/W
60%	90W	2	70	13800lm	153 lm/W	15200lm	169 lm/W	14200lm	158 lm/W
		3	70	13800lm	153 lm/W	15200lm	169 lm/W	14200lm	158 lm/W
		4	70	13800lm	153 lm/W	15200lm	169 lm/W	14200lm	158 lm/W
		5	70	14000lm	156 lm/W	15600lm	172 lm/W	14500lm	161 lm/W
40%	60W	2	70	9400lm	157 lm/W	10300lm	172 lm/W	9700lm	162 lm/W
		3	70	9400lm	157 lm/W	10300lm	172 lm/W	9700lm	162 lm/W
		4	70	9400lm	157 lm/W	10300lm	172 lm/W	9700lm	162 lm/W
		5	70	9600lm	160 lm/W	10500lm	175 lm/W	10000lm	167 lm/W

ALGT-180W									
Setting	System Watts	Dist. Type	CRI	3000K		4000K		5000K	
				Lumens	LPW	Lumens	LPW	Lumens	LPW
100%	180W	2	70	24800lm	138 lm/W	27000lm	150 lm/W	25200lm	140 lm/W
		3	70	24800lm	138 lm/W	27000lm	150 lm/W	25200lm	140 lm/W
		4	70	24800lm	138 lm/W	27000lm	150 lm/W	25200lm	140 lm/W
		5	70	25500lm	142 lm/W	28000lm	156 lm/W	26000lm	144 lm/W
80%	144W	2	70	20200lm	140 lm/W	22000lm	153 lm/W	20600lm	143 lm/W
		3	70	20200lm	140 lm/W	22000lm	153 lm/W	20600lm	143 lm/W
		4	70	20200lm	140 lm/W	22000lm	153 lm/W	20600lm	143 lm/W
		5	70	20800lm	144 lm/W	22800lm	158 lm/W	21000lm	146 lm/W
60%	108W	2	70	15300lm	142 lm/W	16800lm	156 lm/W	15700lm	145 lm/W
		3	70	15300lm	142 lm/W	16800lm	156 lm/W	15700lm	145 lm/W
		4	70	15300lm	142 lm/W	16800lm	156 lm/W	15700lm	145 lm/W
		5	70	15800lm	146 lm/W	17300lm	160 lm/W	16200lm	150 lm/W
40%	72W	2	70	10500lm	146 lm/W	11500lm	160 lm/W	10800lm	150 lm/W
		3	70	10500lm	146 lm/W	11500lm	160 lm/W	10800lm	150 lm/W
		4	70	10500lm	146 lm/W	11500lm	160 lm/W	10800lm	150 lm/W
		5	70	10800lm	150 lm/W	11800lm	164 lm/W	11000lm	153 lm/W

ALGT-250W									
Setting	System Watts	Dist. Type	CRI	3000K		4000K		5000K	
				Lumens	LPW	Lumens	LPW	Lumens	LPW
100%	250W	2	70	33500lm	134 lm/W	37000lm	148 lm/W	34500lm	138 lm/W
		3	70	33500lm	134 lm/W	37000lm	148 lm/W	34500lm	138 lm/W
		4	70	33500lm	134 lm/W	37000lm	148 lm/W	34500lm	138 lm/W
		5	70	34500lm	138 lm/W	38000lm	152 lm/W	35500lm	142 lm/W
80%	200W	2	70	27500lm	138 lm/W	30400lm	152 lm/W	28400lm	142 lm/W
		3	70	27500lm	138 lm/W	30400lm	152 lm/W	28400lm	142 lm/W
		4	70	27500lm	138 lm/W	30400lm	152 lm/W	28400lm	142 lm/W
		5	70	28000lm	140 lm/W	31000lm	155 lm/W	28800lm	144 lm/W
60%	150W	2	70	21300lm	142 lm/W	23200lm	155 lm/W	21800lm	145 lm/W
		3	70	21300lm	142 lm/W	23200lm	155 lm/W	21800lm	145 lm/W
		4	70	21300lm	142 lm/W	23200lm	155 lm/W	21800lm	145 lm/W
		5	70	21800lm	145 lm/W	23800lm	159 lm/W	22500lm	150 lm/W
40%	100W	2	70	14500lm	145 lm/W	16000lm	160 lm/W	14800lm	148 lm/W
		3	70	14500lm	145 lm/W	16000lm	160 lm/W	14800lm	148 lm/W
		4	70	14500lm	145 lm/W	16000lm	160 lm/W	14800lm	148 lm/W
		5	70	15000lm	150 lm/W	16500lm	165 lm/W	15500lm	155 lm/W

ALGT-300W									
Setting	System Watts	Dist. Type	CRI	3000K		4000K		5000K	
				Lumens	LPW	Lumens	LPW	Lumens	LPW
100%	300W	2	70	41000lm	137 lm/W	45000lm	150 lm/W	42000lm	140 lm/W
		3	70	41000lm	137 lm/W	45000lm	150 lm/W	42000lm	140 lm/W
		4	70	41000lm	137 lm/W	45000lm	150 lm/W	42000lm	140 lm/W
		5	70	42500lm	142 lm/W	46000lm	153 lm/W	43500lm	145 lm/W
80%	240W	2	70	33600lm	140 lm/W	37000lm	154 lm/W	34500lm	144 lm/W
		3	70	33600lm	140 lm/W	37000lm	154 lm/W	34500lm	144 lm/W
		4	70	33600lm	140 lm/W	37000lm	154 lm/W	34500lm	144 lm/W
		5	70	34500lm	144 lm/W	38000lm	158 lm/W	35500lm	148 lm/W
60%	180W	2	70	26000lm	144 lm/W	28600lm	159 lm/W	26600lm	148 lm/W
		3	70	26000lm	144 lm/W	28600lm	159 lm/W	26600lm	148 lm/W
		4	70	26000lm	144 lm/W	28600lm	159 lm/W	26600lm	148 lm/W
		5	70	26600lm	148 lm/W	29700lm	165 lm/W	27500lm	153 lm/W
40%	120W	2	70	18000lm	150 lm/W	20000lm	167 lm/W	18500lm	154 lm/W
		3	70	18000lm	150 lm/W	20000lm	167 lm/W	18500lm	154 lm/W
		4	70	18000lm	150 lm/W	20000lm	167 lm/W	18500lm	154 lm/W
		5	70	18500lm	154 lm/W	20800lm	173 lm/W	19000lm	158 lm/W

ALGT-400W									
Setting	System Watts	Dist. Type	CRI	3000K		4000K		5000K	
				Lumens	LPW	Lumens	LPW	Lumens	LPW
100%	400W	2	70	60500lm	151 lm/W	60000lm	150 lm/W	34500lm	138 lm/W
		3	70	60500lm	151 lm/W	60000lm	150 lm/W	34500lm	138 lm/W
		4	70	60500lm	151 lm/W	60000lm	150 lm/W	34500lm	138 lm/W
		5	70	61000lm	153 lm/W	60800lm	152 lm/W	35500lm	142 lm/W
80%	320W	2	70	49000lm	153 lm/W	48600lm	152 lm/W	28400lm	142 lm/W
		3	70	49000lm	153 lm/W	48600lm	152 lm/W	28400lm	142 lm/W
		4	70	49000lm	153 lm/W	48600lm	152 lm/W	28400lm	142 lm/W
		5	70	50000lm	156 lm/W	49500lm	155 lm/W	28800lm	144 lm/W
60%	240W	2	70	37600lm	157 lm/W	37200lm	155 lm/W	21800lm	145 lm/W
		3	70	37600lm	157 lm/W	37200lm	155 lm/W	21800lm	145 lm/W
		4	70	37600lm	157 lm/W	37200lm	155 lm/W	21800lm	145 lm/W
		5	70	38500lm	160 lm/W	37600lm	157 lm/W	22500lm	150 lm/W
40%	160W	2	70	26000lm	163 lm/W	25600lm	160 lm/W	14800lm	148 lm/W
		3	70	26000lm	163 lm/W	25600lm	160 lm/W	14800lm	148 lm/W
		4	70	26000lm	163 lm/W	25600lm	160 lm/W	14800lm	148 lm/W
		5	70	26500lm	166 lm/W	26000lm	163 lm/W	15500lm	155 lm/W

Ordering Information *Example: ALGT-140W-XXK-PM-T3*

(Optional)

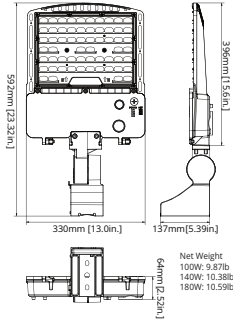
Model	Wattage	Voltage	CCT	Finish	Mounting	Distribution	Controls
ALGT Area Light ALGT Series	100W 140W 180W 250W 300W 400W	Blank 120-277V HV 347/480V	XXK 3000k/ 4000K/ 5000k 40K 4000K 50K 5000K	Blank Dark Bronze W White B Black SG Silver Gray	PM Pole Mount SP Slipfitter WM Wall Mount PMA Adjustable Pole Mount	T2 Type 2 T3 Type 3 T4 Type 4 T5 Type 5	P Photocell M Motion Sensor

Note:

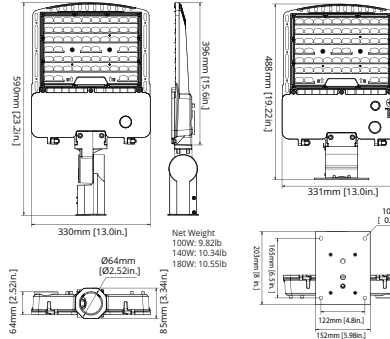
1. Pole Mount Includes Square & Round Pole Adapter
2. 100W is limited to 120-277V Input Only
3. 40W when voltage is 120-277V; 45W when voltage is 347/480V
4. 70W when voltage is 120-277V; 75W when voltage is 347/480V

Product Dimensions

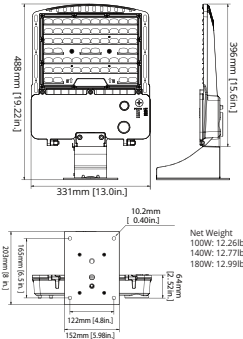
100W/140W/180W
(Adjustable Square Mount)



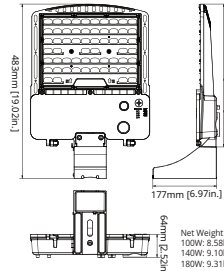
100W/140W/180W
(Slipfitter Mount)



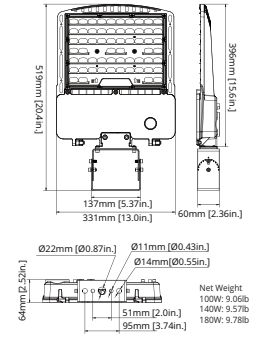
100W/140W/180W
(Wall Mount)



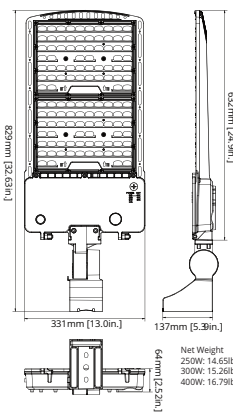
100W/140W/180W
(Pole Mount)



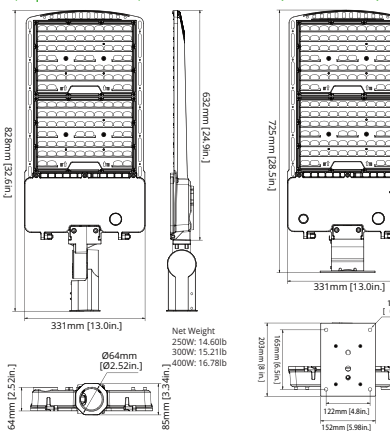
100W/140W/180W
(Yoke Mount)



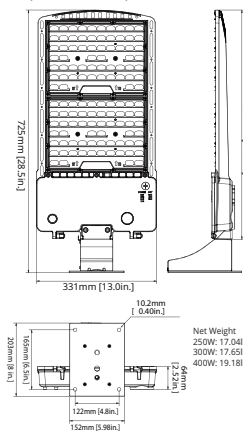
250W/300W/400W
(Adjustable Square Mount)



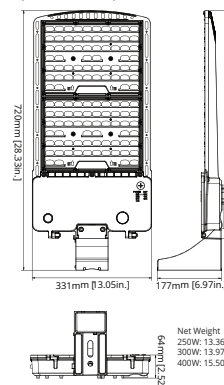
250W/300W/400W
(Slipfitter Mount)



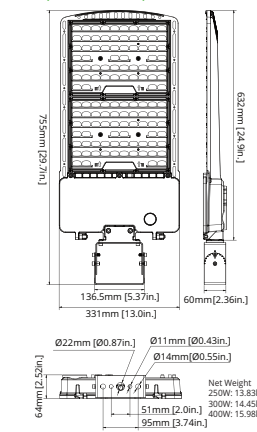
250W/300W/400W
(Wall Mount)



250W/300W/400W
(Pole Mount)



250W/300W/400W
(Yoke Mount)



Mounting



Arm Mount
(4" and 5" Square and Round poles)
Standard versatile mounting arm is simple to install and can be used with existing poles for retrofit installations.



Slipfitter Mount
An optional cast aluminum mast arm adapter secures fixture head to nominal 2-3/8" O.D. horizontal steel tenon arm.



Wall Mount
Wall Mount is easy to install for direct wall mounting with 1/2" conduit wiring or standard J-box mounting

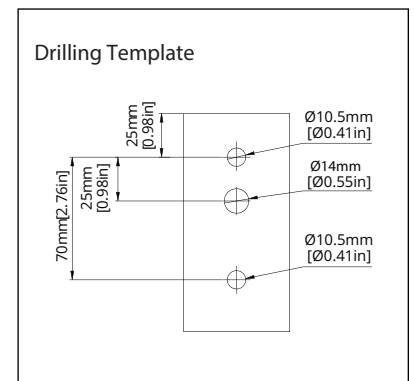
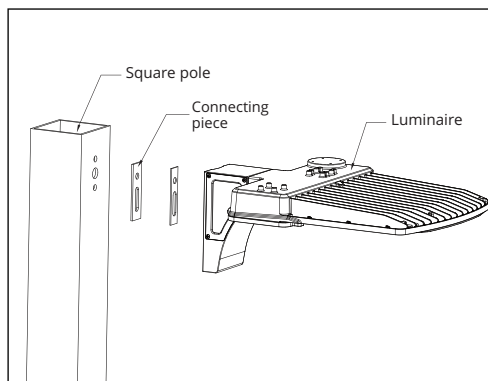
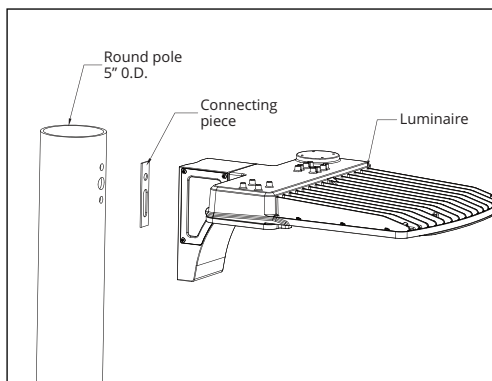


Yoke Mount
Die-cast aluminum trunnion is easily adapted to many surfaces and allows easy fixture aiming angles.



Adjustable Arm Mount
Standard versatile mounting arm is simple to install and can be used with existing poles for retrofit installations.

Mounting Dimensions



Photometrics

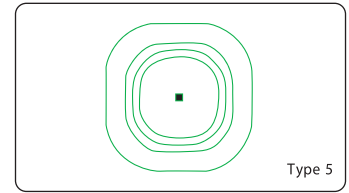
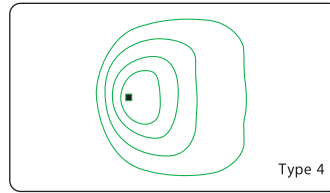
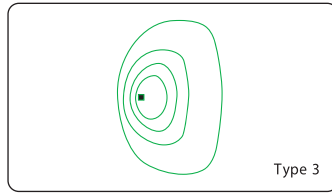
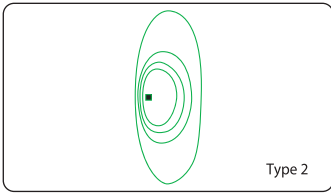
Arcadia offers a complete set of optical systems to meet every site lighting requirement. These systems provide remarkable flexibility in precisely matching light distribution patterns to specific site requirements.

Type 2 optics are ideal for applications where there is a need to space the luminaires farther apart along a road or pathway. The light distribution pattern is optimized for elongated areas, allowing for greater pole spacing without sacrificing lighting quality.

Type 3 optics produce an asymmetrical pattern that directs the majority of the light forward and equally on both sides of the luminaire. In a back-to-back configuration, it creates a rectangular pattern which can extend pole spacings.

Type 4 is suitable for applications where light is primarily required forward with minimal backlight. Typical installations include perimeter poles.

Type 5 optics produce a symmetrical square distribution pattern that distributes light equally on all sides of the luminaire. Type 5 luminaires is universal for most area lighting applications



Additional Mounting Accessories

POLE BRACKET • For mounting one fixture on an existing pole			
	<p>4" Square Pole Mount with 2-3/8" O.D. Tenon NO. 4SQ-SP-D Finish: Dark Bronze USE: For use with square, non-tapered steel and aluminum poles. Furnished with four 5/16" hex head stainless-steel bolts. Vertical tenon measures 2-3/8" O.D., and is made of steel tubing. Fixtures mounted to this bracket can be adjusted both vertically and horizontally.</p>		<p>4" Round Pole Mount with 2-3/8" O.D. Tenon NO. 4QR-SP-D Finish: Dark Bronze USE: For use with Round, non-tapered steel and aluminum poles. Furnished with three 3/8" hex head stainless-steel bolts. Vertical tenon measures 2-3/8" O.D., and is made of steel tubing. Fixtures mounted to this bracket can be adjusted both vertically and horizontally.</p>
	<p>5" Square Pole Mount with 2-3/8" O.D. Tenon NO. 5SQ-SP-D Finish: Dark Bronze USE: For use with square, non-tapered steel and aluminum poles. Furnished with four 5/16" hex head stainless-steel bolts. Vertical tenon measures 2-3/8" O.D., and is made of steel tubing. Fixtures mounted to this bracket can be adjusted both vertically and horizontally.</p>		<p>5" Round Pole Mount with 2-3/8" O.D. Tenon NO. 5QR-SP-D Finish: Dark Bronze USE: For use with Round, non-tapered steel and aluminum poles. Furnished with three 3/8" hex head stainless-steel bolts. Vertical tenon measures 2-3/8" O.D., and is made of steel tubing. Fixtures mounted to this bracket can be adjusted both vertically and horizontally.</p>
	<p>Pole Bracket Accessories - Angle-Adjustment Adapter NO. SQA-ALDA Finish: Dark Bronze USE: Durable brackets are engineered to provide versatile mounting options. These arms are made from rugged die-cast aluminum. They allow optimal positioning of the light fixture to maximize the lighting effectiveness vertically and horizontally.</p>		<p>Pole Bracket accessories - Tenon & Yoke Adaptor NO. SP-TR-D Finish: Dark Bronze USE: The 2-3/8" OD Tenon Mount Adaptor for Yoke Fixtures is designed to mount MESTER light fixtures that are equipped with a yoke mount onto a 2-3/8" OD tenon. It may be utilized with the Mester Flood Light Series of light fixtures.</p>
	<p>Horizontal Wall or Square or Round pole mount with 2-3/8" Tenon Bracket NO. SQR-SP-D Finish: Dark Bronze USE: This tenon bracket can be installed onto a wall square pole round pole. Provides wiring access and built-in 2-3/8" O.D. tenon to mount a fixture with our adjustable slipfitter. Suggested 3/8" diameter bolts for mounting.</p>		
WALL BRACKET • Attaches to any flat surface • Provides wiring access		Mid-Pole tenon Bracket	
	<p>90° Wall Mount Bracket with 2-3/8" O.D. Tenon NO. WM-SP-D Finish: Dark Bronze USE: The 90° wall mount bracket with 2-3/8" tenon attaches an MESTER floodlight to almost any surface: wall, roof, or wood pole. Provides wiring access and built-in 2-3/8" O.D. tenon to mount a fixture with our adjustable slipfitter. Suggested 3/8" diameter bolts for mounting. Mounting holes are spaced 3-1/4" apart.</p>		<p>2-3/8" OD Horizontal Tenon Mid-Pole Bracket NO. SQ-SP-D Finish: Dark Bronze USE: 2-3/8" OD Horizontal Tenon Mid-Pole Bracket is designed to mount light fixture that is equipped with an adjustable slipfitter onto a 2-3/8" OD horizontal tenon</p>
Round External Mount Horizontal Tenon • To mount 2/3/4 fixtures on a existing pole			
	<p>Double 90° Horizontal Tenon Adaptor NO. R60-SP2-90-D Finish: Dark Bronze USE: The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Two fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally</p>		<p>Triple 120° Horizontal Tenon Adaptor NO. R60-SP3-120-D Finish: Dark Bronze USE: The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Three fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally</p>
	<p>Double 180° Horizontal Tenon Adaptor NO. R60-SP2-180-D Finish: Dark Bronze USE: The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Two fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally</p>		<p>Quad 90° Horizontal Tenon Adaptor NO. R60-SP4-90-D Finish: Dark Bronze USE: The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Four fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally</p>
	<p>Triple 90° Horizontal Tenon Adaptor NO. R60-SP3-90-D Finish: Dark Bronze USE: The Bracket is designed to mount over 2-3/8" (60mm) O.D. vertical tenon. Three fixtures can be mounted to the Round External Mount Horizontal Tenon and adjusted horizontally</p>		