

# PFX-3207

LED AREA LIGHT

PARAFLEX.com



REV 04 2024

**MEDIUM SIZE: 100W/140W/180W**



**LARGE SIZE: 250W/300W/400W**



**FINISH:**

Dark Bronze as Standard Finish; Black, Silver Gray and White available as Optional



**INSTALLATION**

Suitable for mounting heights ranging from 26-50' in area lighting applications Round pole, Square pole, slipfitter, wall mount and yoke are available. The design can be operated by one person to install the whole lamp

**CERTIFICATIONS**

UL wet location listed. DesignLights Consortium™ Qualified. Note : DesignLights Consortium™ Qualified and classified for DLC Premium, refer to www.designlights.org for details.

**NOTE**

Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25°C (+/-5°C) specifications subject to change without notice.

**CONSTRUCTION**

The rugged, one-piece die-cast aluminum housing features a complete heat sink hat optimizes heat dissipation through convection cooling management. Low profile, 3G vibration rated compact design minimizes wind load requirements. Housing is completely sealed against moisture and environmental contaminants.

**OPTICS**

Available in IES Type II, III, IV, V distributions. Light engines are available in adjustable color temperature (3000K&4000K&5000K) configurations. Scalable Lumen Packages from 6,600 to 61,000 Lumens replaces up to 1000W Metal Halide. Optics is precisely designed to shape the distribution, maximizing efficiency and application spacing. The optics can conform to dark sky requirement.

**ELECTRICAL**

Universal 120-277 VAC or 347-480 VAC input voltage 10KA(@120-277V) or 20KA(@347-480V) surge protection 0-10V dimming driver standard for 10% to 100% dimming Power adjustable: 100%, 80%, 60%, 40%. THD: ≤20% Power Factor: ≥90%

**CONTROLS**

Optional Occupancy sensor or Microwave sensor. Optional Bluetooth sensor or Bluetooth controller. Optional NEMA 3-pin photocell or 7-pin photocell

**AMBIENT TEMPERATURE**

Ambient operating temperature -40°C to 45°C (-40°F to 113°F). The ambient temperature of 400W is: -40°C to 40°C.

**LIFESPAN**

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

Note: When specifying options, check with factory for availability and lead time.

ORDERING GUIDE					SAMPLE PART # PFX-3207-100-27V-DDK-D-P0-M-SQ-T2-AD				
MODEL	WATTAGE	VOLTAGE	CCT	FINISH	PHOTOCELL (OPTION)	SENSOR (OPTION)	MOUNTING	PHOTOMETRY	CCT & POWER ADJUSTABLE
PFX-3207									
	100 100W 140 140W 180 180W 250 250W ** 300 300W 400 400W	27V 120-277V 48V 347-480V	DDK* ADJUSTABLE COLOR TEMPERATURE	D DARK BRONZE (STANDARD)  OPTIONAL FINISHES B BRONZE W WHITE SG SILVER GRAY	P0 120-277V PHOTOCELL P3 347V PHOTOCELL P4 480V PHOTOCELL BLANK WITHOUT PHOTOCELL	M WITH SENSOR BLANK WITHOUT SENSOR	SQ SQUARE POLE MOUNT SP SLIPFITTER MOUNT WM WALL MOUNT YK YOKE MOUNT SQA SQUARE ADJUSTABLE MOUNT	T2 TYPE II T3 TYPE III T4 TYPE IV T5 TYPE V	AD* WITH ADJUSTABLE DIAL BLANK WITHOUT ADJUSTABLE DIAL

Notes  
\*Only 400W suit for 4000K, 5000K adjustable and other wattage suit for 3000K, 4000K and 5000K adjustable.  
\*\* MOQ and lead time required.

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## STRUCTURAL DESIGN



## PERFORMANCE DATA

PFX-3207100W									
SETTING	SYSTEM WATTS	DIST. TYPE	CRI	3000K		4000K		5000K	
				LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
100%	100W	2	70	14500lm	145 lm/W	15800lm	158 lm/W	15000lm	150 lm/W
		3	70	14500lm	145 lm/W	15800lm	158 lm/W	15000lm	150 lm/W
		4	70	14500lm	145 lm/W	15800lm	158 lm/W	15000lm	150 lm/W
		5	70	15100lm	151 lm/W	16000lm	160 lm/W	15600lm	156 lm/W
80%	80W	2	70	12000lm	150 lm/W	13000lm	163 lm/W	12500lm	156 lm/W
		3	70	12000lm	150 lm/W	13000lm	163 lm/W	12500lm	156 lm/W
		4	70	12000lm	150 lm/W	13000lm	163 lm/W	12500lm	156 lm/W
		5	70	12500lm	156 lm/W	13300lm	166 lm/W	12800lm	160 lm/W
60%	60W	2	70	9300lm	155 lm/W	10000lm	167 lm/W	9600lm	160 lm/W
		3	70	9300lm	155 lm/W	10000lm	167 lm/W	9600lm	160 lm/W
		4	70	9300lm	155 lm/W	10000lm	167 lm/W	9600lm	160 lm/W
		5	70	9600lm	160 lm/W	10200lm	170 lm/W	9850lm	164 lm/W
40%	40W	2	70	6400lm	160 lm/W	6800lm	170 lm/W	6560lm	164 lm/W
		3	70	6400lm	160 lm/W	6800lm	170 lm/W	6560lm	164 lm/W
		4	70	6400lm	160 lm/W	6800lm	170 lm/W	6560lm	164 lm/W
		5	70	6560lm	164 lm/W	7000lm	175 lm/W	6700lm	168 lm/W

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### PFX-3207140W

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

### PFX-3207180W

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

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PFX-3207250W									
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

PFX-3207300W									
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

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PFX-3207400W							
SETTING	SYSTEM WATTS	DIST.TYPE	CRI	4000K		5000K	
				LUMENS	LPW	LUMENS	LPW
LV1	400W	2	70	60500lm	151 lm/W	60000lm	150 lm/W
		3	70	60500lm	151 lm/W	60000lm	150 lm/W
		4	70	60500lm	151 lm/W	60000lm	150 lm/W
		5	70	61000lm	153 lm/W	60800lm	152 lm/W
LV2	360W	2	70	56000lm	156 lm/W	55000lm	153 lm/W
		3	70	56000lm	156 lm/W	55000lm	153 lm/W
		4	70	56000lm	156 lm/W	55000lm	153 lm/W
		5	70	56500lm	157 lm/W	55500lm	154 lm/W
LV3	320W	2	70	51000lm	159 lm/W	50000lm	156 lm/W
		3	70	51000lm	159 lm/W	50000lm	156 lm/W
		4	70	51000lm	159 lm/W	50000lm	156 lm/W
		5	70	51500lm	161 lm/W	50500lm	159 lm/W
LV4	300W	2	70	47000lm	162 lm/W	46000lm	159 lm/W
		3	70	47000lm	162 lm/W	46000lm	159 lm/W
		4	70	47000lm	162 lm/W	46000lm	159 lm/W
		5	70	47500lm	164 lm/W	46500lm	160 lm/W

## BUG @5000K

SYSTEM WATTS	VOLTAGE	DIST.TYPE	B	U	G
100W	120-277V/347-480V	2	3		3
		3	3		3
		4	3		3
		5	4		4
140W	120-277V/347-480V	2	3		3
		3	3		3
		4	3		3
		5	4		4
180W	120-277V/347-480V	2	4		4
		3	3		3
		4	3		3
		5	4		4
250W	120-277V/347-480V	2	4		4
		3	4		4
		4	4		4
		5	5		5
300W	120-277V/347-480V	2	5		5
		3	4		4
		4	4		4
		5	5		5
400W	120-277V/347-480V	2	5		5
		3	5		5
		4	5		5
		5	5		5

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## ELECTRICAL DATA

Number Of Drivers	Driver Current (mA)	Nominal Power (W)	INPUT VOLTAGE (V)	CURRENT (Amps)
1	850	100	120	0.83
		100	208	0.48
		100	240	0.42
		100	277	0.36
	2520	100	347	0.29
		100	480	0.21
1	1200	140	120	1.17
		140	208	0.67
		140	240	0.58
		140	277	0.51
		140	347	0.40
		140	480	0.29
1	960	180	120	1.50
		180	208	0.87
		180	240	0.75
		180	277	0.65
		180	347	0.52
		180	480	0.38
1	1200	250	120	2.08
		250	208	1.20
		250	240	1.04
		250	277	0.90
		250	347	0.72
		250	480	0.52
1	1500	300	120	2.50
		300	208	1.44
		300	240	1.25
		300	277	1.08
		300	347	0.86
		300	480	0.63
1	1460	400	120	3.33
		400	208	1.92
		400	240	1.67
		400	277	1.44
		400	347	1.15
		400	480	0.83

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## MOUNTING

Standard versatile mounting arm accommodates multiple drilling patterns as well as square and round poles  
Optional for cast aluminum slipfitter mounting adapter (Compatible with more MESTER mounting adaptors such as Tenon, suits for various application)

## MOUNTING OPTIONS



**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

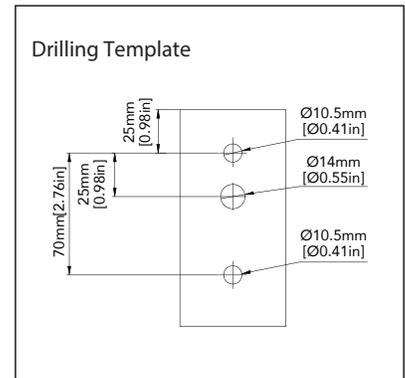
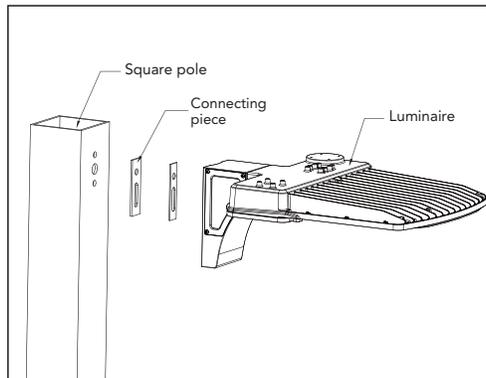
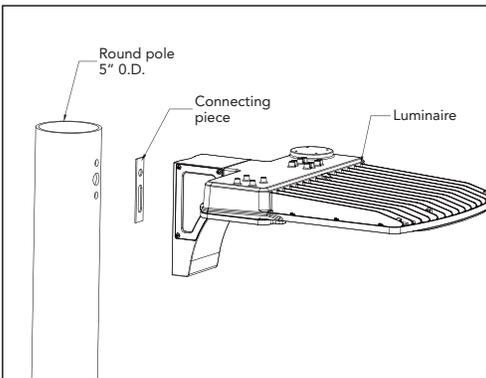


**Yoke Mount**  
Die-cast aluminum trunnion is easily adapted to many surfaces and allows easy fixture aiming angles.



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

## MOUNTING DIMENSIONS



# PFX-3207

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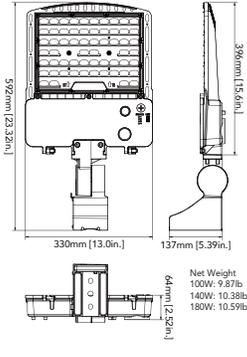


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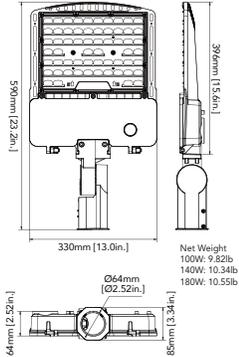
## DIMENSION

unit: inch/mm

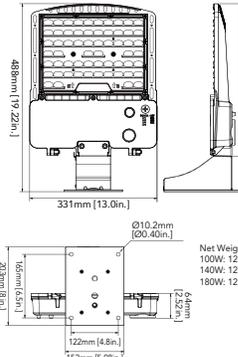
100W/140W/180W  
(Adjustable Square Mount)



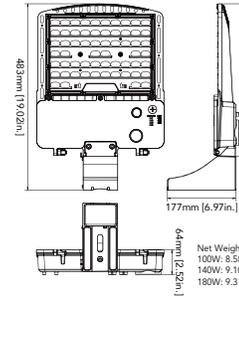
100W/140W/180W  
(Slipfitter Mount)



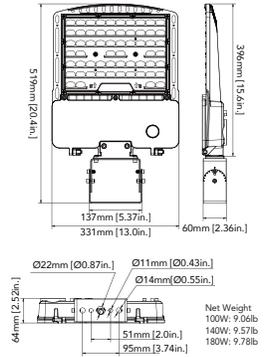
100W/140W/180W  
(Wall Mount)



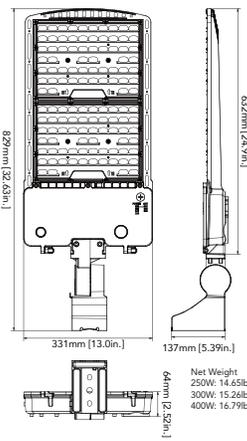
100W/140W/180W  
(Pole Mount)



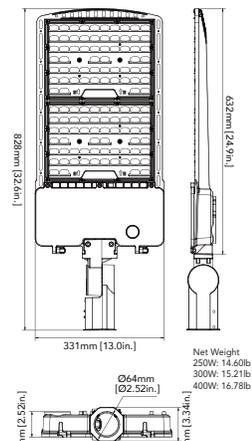
100W/140W/180W  
(Yoke Mount)



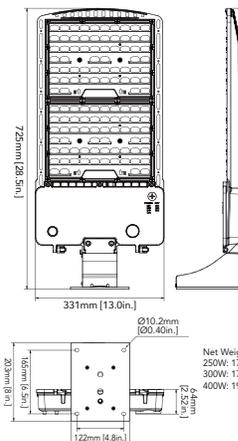
250W/300W/400W  
(Adjustable Square Mount)



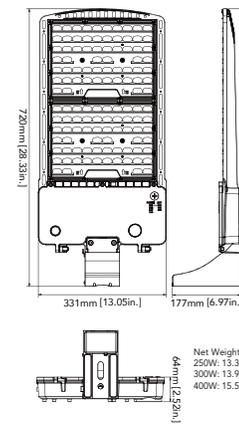
250W/300W/400W  
(Slipfitter Mount)



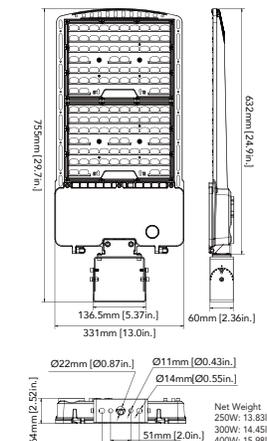
250W/300W/400W  
(Wall Mount)



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



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



## EPA OF AREA LIGHT

Item							
	1	2 @90°	2 @120°	2@180°	3 @90°	3 @120°	4 @90°
100W/140W/180W	0.3632	0.6849	0.8861	0.7264	1.0481	1.2078	1.0481
250W/300W/400W	0.4758	0.8091	1.059	0.9516	1.2849	1.3923	1.2849

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## PHOTOMETRICS

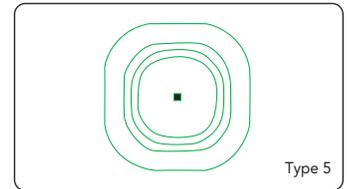
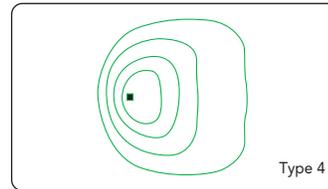
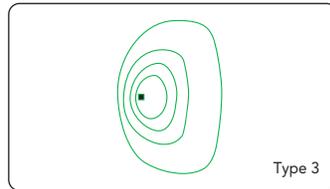
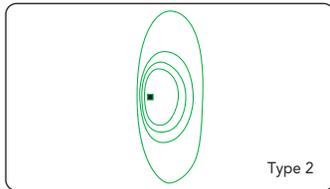
Paraflex offers a complete set of optical systems to meet every site lighting requirement. These systems provide remarkable flexibility in precisely matching light distribution patterns to specific site requirements.

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



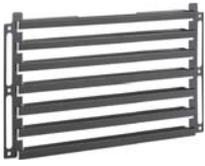
## ACCESSORIES (OPTIONAL)

AL08 series features a backlight control which provides reduced pixilation and increased visual comfort without compromising performance. External Glare Shield: sold separately or as an accessory.



External Glare Shield

External Glare Full Visor

			
<p><b>Plug-and-Play PIR Sensor</b> PIR sensor: MSANT12VPH01 Bluetooth PIR sensor: MSANT12VPHB01</p>	<p><b>Plug-and-Play Microwave Sensor</b> Microwave sensor: MSANT12VMH01 Bluetooth microwave sensor: MSANT12VMHB01</p>	<p><b>120-277V PIR Sensor</b> PIR sensor: BRI823-B-D Bluetooth PIR sensor: BRI823-B-D-BLE-SR</p>	<p><b>NEMA Photocell</b> 3 pin NEMA Type: MS-PSUNVB1 3 pin NEMA Type(480V): JL-207F 7 pin NEMA Type: JL-241C</p>
 <p><b>Back Light Control Shield</b></p>			

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**Fast Flexible Focused Lighting**