

UPK1 Series

Wattage & CCT Adjustable Area Light

Fixture Type:
Project Name
Location:
Date:

Features

- Long lasting, energy-efficient solution for the one-for-one replacement of existing metal halide lighting.
- Low profile design, 3G vibration rated compact design minimizes wind load requirements.
- Easy field wattage and color temperature adjustable.
- Delivers from 9,600 lm to 46,000 lm and is ideal for replace up to 1000 W MH.
- Single piece rugged die cast aluminum housing has integral heat sink fins to optimize thermal management thorough conductive and convective cooling.
- Multiple mounting options: round pole/square pole, slipfitter, wall mount, trunnion mount and adjustable arm mount are available.
- Optional accessories photocell and standard motion sensor/bluetooth motion sensor are available.
- Optional glare shield for reduced pixilation and increased visual comfort.
- Product of Cambodia and designated country end product that complies with the TAA.



140W/180W



300W



Specification

Housing	Rugged die-cast aluminum housing	Efficacy	Up to 167 lm/W
Lens	Precision acrylic lens	LED Life Span	100,000 Hrs
Distribution Type	Type II/III/IV/V	Dimmable	0-10V Dimmable
Color Temp	3CCT 3000K/4000K/5000K	Lumen Package	9,400 lm to 46,000lm
CRI	70	Warranty	10 Years
Input Voltage	120-277V or 347-480V	Ambient Operation Temperature	-40°C (-40°F) ~45°C (113°F)
Installation	Pole mount/wall mount, slipfitter mount/trunnion mount/ adjustable pole mount	Listing	DLC Premium UL Listed Wet Location

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Ordering Guide Example: UPK1- UW3CCT - 300W-3-BK-AM

SKU	Wattage	Color Temp.	Voltage	Wattage Options	Optical	Finish ¹	Mounting
UPK1	UW	3CCT	Blank	140W	2	Blank	WM 03
	=Wattage selectable	= Color Temp adjustable 30/40/50K	= 120-277V HV = 347-480V	=Max Wattage 140W 180W = Max Wattage 180W 300W =Max Wattage 300W	=Type II 3 = Type III 4 = Type IV 5 = Type V	= Dark Bronze BK = Black WH =White	= Wall Mount AM03 = Arm mount SP03 = Slipfitter TM03 = Trunnion Mount JAM03 = Adjustable Square Mount

Note: 1. Standard color finish is dark bronze. other color finish incur on additional cost, consult factory for the availability.

Optional accessories:

Photocell	Motion Sensor	Glare Shield	Multi direction Arm Mount
<p>PC (SKU:ALPC) =Twist lock photocell</p> <p>HVPC (SKU:ALPC-HV) = Twist lock photocell for high voltage</p>	<p>MS01 (SKU:HDO9VR-PIR)(Default) = 12/24V Plug and play passive infrared motion sensor.</p> <p>MS02 (SKU:BL-ANT5-4T-MIC) = 12/24V Plug and play microwave motion sensor.</p> <p>BLMS01 (SKU:SILVAIR01) =Plug and play PIR motion sensor, work with SILVAIR APP.</p>	<p>GS-M (SKU: Glareshield-APK-M) = Glare shield for 140W & 180W</p> <p>GS-L (SKU: Glareshield-APK-L) = Glare shield for 300W & 400W</p> <p>FGS-M (SKU: Glareshield-APK-M-FULL) = Full glare shield for 140W & 180W</p> <p>FGS-L (SKU: Glareshield-APK-L-FULL) =Full glare shield for 300W & 400W</p>	<p>¹UNVPK (SKU:UNVPK) = Multi direction arm mount adapter</p>

Note: 1. UNVPK is only suitable for wall mount and arm mount.

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Product Information

UPK1-140W-TYPE II

WATTAGE	Dist.Type	3000K		4000K		5000K	
		LUMEN	EFFICACY	LUMEN	EFFICACY	LUMEN	EFFICACY
140W	II	20000lm	147 lm/W	23000 lm	164lm/W	21000 lm	150lm/W
120W	II	18000 lm	150 lm/W	20000 lm	167lm/W	18500 lm	154lm/W
90W	II	13800 lm	153 lm/W	15200 lm	169lm/W	14200 lm	158lm/W
60W	II	9400 lm	157 lm/W	10300 lm	172lm/W	9700 lm	162lm/W

UPK1-140W-TYPE III

WATTAGE	Dist.Type	3000K		4000K		5000K	
		LUMEN	EFFICACY	LUMEN	EFFICACY	LUMEN	EFFICACY
140W	III	20000lm	147 lm/W	23000 lm	164lm/W	21000 lm	150lm/W
120W	III	18000 lm	150 lm/W	20000 lm	167lm/W	18500 lm	154lm/W
90W	III	13800 lm	153 lm/W	15200 lm	169lm/W	14200 lm	158lm/W
60W	III	9400 lm	157 lm/W	10300 lm	172lm/W	9700 lm	162lm/W

UPK1-140W-TYPE IV

WATTAGE	Dist.Type	3000K		4000K		5000K	
		LUMEN	EFFICACY	LUMEN	EFFICACY	LUMEN	EFFICACY
140W	IV	20000lm	147 lm/W	23000 lm	164lm/W	21000 lm	150lm/W
120W	IV	18000 lm	150 lm/W	20000 lm	167lm/W	18500 lm	154lm/W
90W	IV	13800 lm	153 lm/W	15200 lm	169lm/W	14200 lm	158lm/W
60W	IV	9400 lm	157 lm/W	10300 lm	172lm/W	9700 lm	162lm/W

UPK1-140W-TYPE V

WATTAGE	Dist.Type	3000K		4000K		5000K	
		LUMEN	EFFICACY	LUMEN	EFFICACY	LUMEN	EFFICACY
140W	V	21000lm	150 lm/W	23500 lm	1168lm/W	21500 lm	154lm/W
120W	V	18500 lm	154 lm/W	20500 lm	171lm/W	19000 lm	158lm/W
90W	V	14000 lm	156 lm/W	15600 lm	172lm/W	14500 lm	161lm/W
60W	V	9600 lm	160 lm/W	10500 lm	175lm/W	10000 lm	167lm/W

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UPK1-180W-TYPE II

WATTAGE	Dist.Type	3000K		4000K		5000K	
		LUMEN	EFFICACY	LUMEN	EFFICACY	LUMEN	EFFICACY
180W	II	24800 lm	138 lm/W	27000 lm	150lm/W	25200 lm	140lm/W
144W	II	20200 lm	140 lm/W	22000 lm	153lm/W	20600 lm	143lm/W
108W	II	15300 lm	142 lm/W	16800 lm	156lm/W	15700 lm	145lm/W
72W	II	10500 lm	146 lm/W	11500 lm	160lm/W	10800 lm	150lm/W

UPK1-180W-TYPE III

WATTAGE	Dist.Type	3000K		4000K		5000K	
		LUMEN	EFFICACY	LUMEN	EFFICACY	LUMEN	EFFICACY
180W	III	24800 lm	138 lm/W	27000 lm	150lm/W	25200 lm	140lm/W
144W	III	20200 lm	140 lm/W	22000 lm	153lm/W	20600 lm	143lm/W
108W	III	15300 lm	142 lm/W	16800 lm	156lm/W	15700 lm	145lm/W
72W	III	10500 lm	146 lm/W	11500 lm	160lm/W	10800 lm	150lm/W

UPK1-180W-TYPE IV

WATTAGE	Dist.Type	3000K		4000K		5000K	
		LUMEN	EFFICACY	LUMEN	EFFICACY	LUMEN	EFFICACY
180W	IV	24800 lm	138 lm/W	27000 lm	150lm/W	25200 lm	140lm/W
144W	IV	20200 lm	140 lm/W	22000 lm	153lm/W	20600 lm	143lm/W
108W	IV	15300 lm	142 lm/W	16800 lm	156lm/W	15700 lm	145lm/W
72W	IV	10500 lm	146 lm/W	11500 lm	160lm/W	10800 lm	150lm/W

UPK1-180W-TYPE V

WATTAGE	Dist.Type	3000K		4000K		5000K	
		LUMEN	EFFICACY	LUMEN	EFFICACY	LUMEN	EFFICACY
180W	V	25500 lm	138 lm/W	28000 lm	150lm/W	26000 lm	140lm/W
144W	V	20800 lm	140 lm/W	22800 lm	153lm/W	21000 lm	143lm/W
108W	V	15800 lm	146 lm/W	17300 lm	160lm/W	16200 lm	150lm/W
72W	V	10800 lm	150 lm/W	11800 lm	164lm/W	11000 lm	153lm/W

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UPK1-300W-TYPE II

WATTAGE	Dist.Type	3000K		4000K		5000K	
		LUMEN	EFFICACY	LUMEN	EFFICACY	LUMEN	EFFICACY
300W	II	41000 lm	137 lm/W	45000 lm	150lm/W	42000 lm	140lm/W
240W	II	33600 lm	140 lm/W	37000 lm	154lm/W	34500 lm	144lm/W
180W	II	26000 lm	144 lm/W	28600 lm	159lm/W	26600 lm	148lm/W
120W	II	18000 lm	150 lm/W	20000 lm	167lm/W	18500 lm	154lm/W

UPK1-300W-TYPE III

WATTAGE	Dist.Type	3000K		4000K		5000K	
		LUMEN	EFFICACY	LUMEN	EFFICACY	LUMEN	EFFICACY
300W	III	41000 lm	137 lm/W	45000 lm	150lm/W	42000 lm	140lm/W
240W	III	33600 lm	140 lm/W	37000 lm	154lm/W	34500 lm	144lm/W
180W	III	26000 lm	144 lm/W	28600 lm	159lm/W	26600 lm	148lm/W
120W	III	18000 lm	150 lm/W	20000 lm	167lm/W	18500 lm	154lm/W

UPK1-300W-TYPE IV

WATTAGE	Dist.Type	3000K		4000K		5000K	
		LUMEN	EFFICACY	LUMEN	EFFICACY	LUMEN	EFFICACY
300W	IV	41000 lm	137 lm/W	45000 lm	150lm/W	42000 lm	140lm/W
240W	IV	33600 lm	140 lm/W	37000 lm	154lm/W	34500 lm	144lm/W
180W	IV	26000 lm	144 lm/W	28600 lm	159lm/W	26600 lm	148lm/W
120W	IV	18000 lm	150 lm/W	20000 lm	167lm/W	18500 lm	154lm/W

UPK1-300W-TYPE V

WATTAGE	Dist.Type	3000K		4000K		5000K	
		LUMEN	EFFICACY	LUMEN	EFFICACY	LUMEN	EFFICACY
300W	V	42500 lm	142 lm/W	46000 lm	153lm/W	42000 lm	145lm/W
240W	V	34500 lm	144 lm/W	38000 lm	158lm/W	35500 lm	148lm/W
180W	V	26600 lm	148 lm/W	29700 lm	165lm/W	27500 lm	153lm/W
120W	V	18500 lm	154 lm/W	20800 lm	173lm/W	19000 lm	158lm/W

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


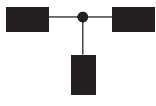
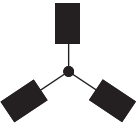
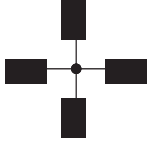
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EPA OF AREA LIGHT

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

BUG

WATTAGE	DIST.TYPE	B	U	G
140W	II	3	0	3
180W	II	4	0	3
300W	II	5	0	4

WATTAGE	DIST.TYPE	B	U	G
140W	III	3	0	3
180W	III	3	0	3
300W	III	4	0	4

WATTAGE	DIST.TYPE	B	U	G
140W	IV	3	0	3
180W	IV	3	0	3
300W	IV	4	0	4

WATTAGE	DIST.TYPE	B	U	G
140W	V	4	0	3
180W	V	4	0	2
300W	V	5	0	4



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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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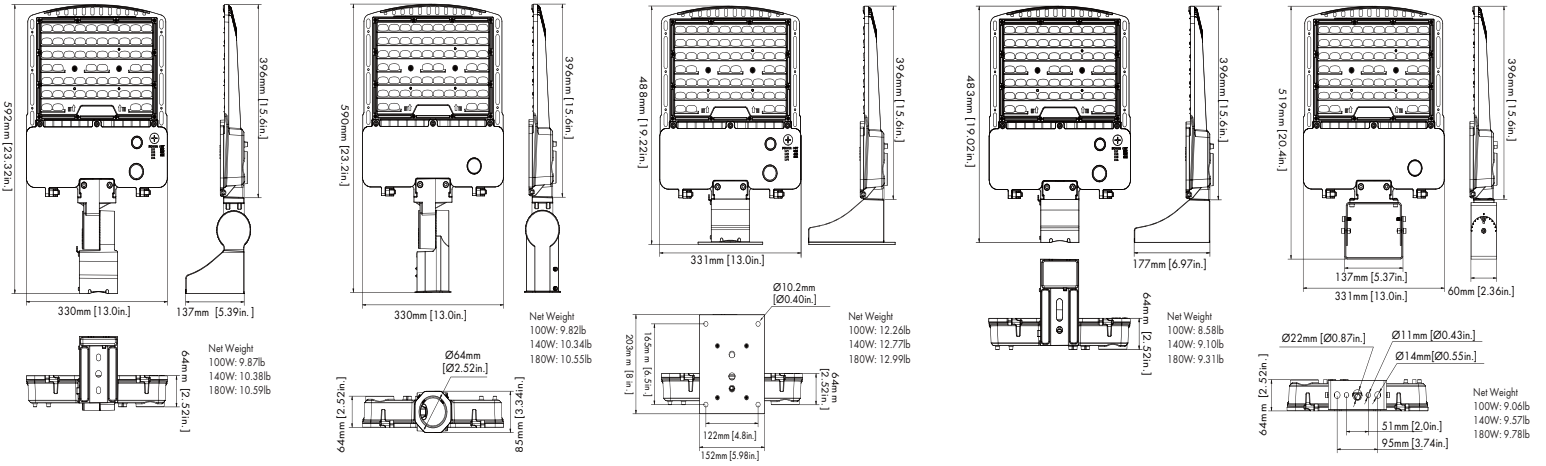
Project Name

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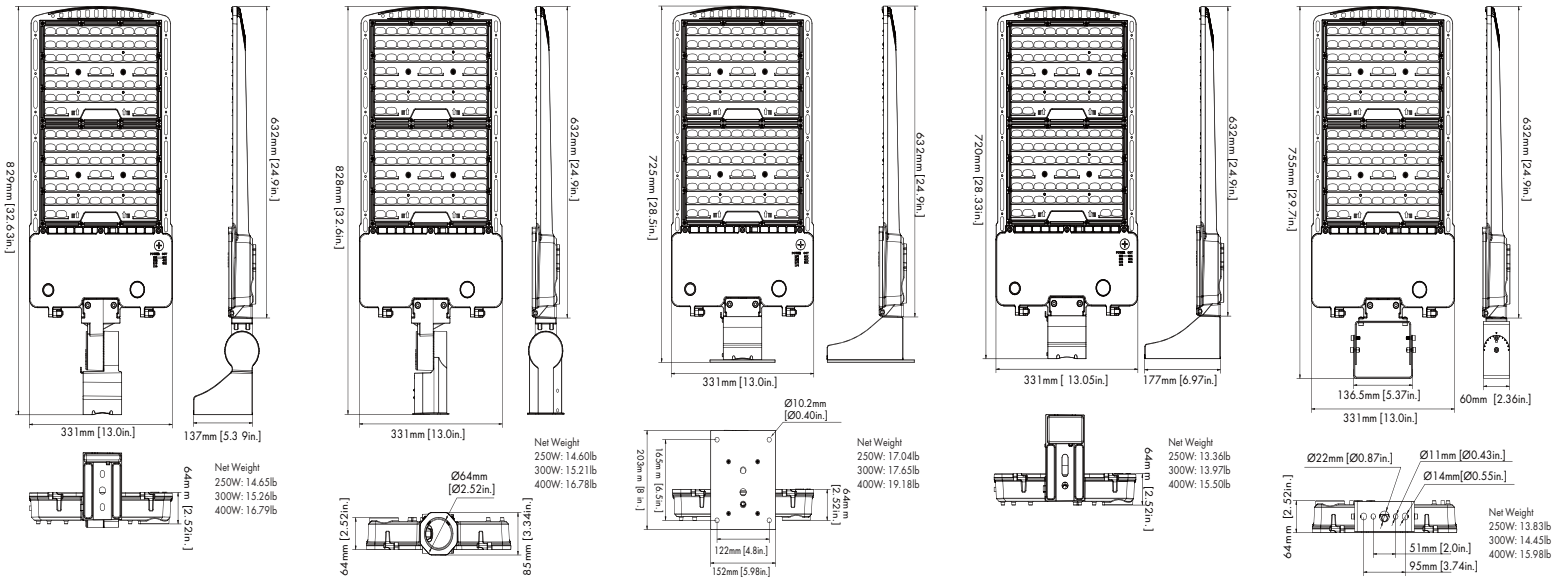
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Dimensions

140W/180W



300W



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Optional Accessories



Standard Voltage 120-277V or 347-480V Photocell

- SKU: ALPC/ALPC-HV
- Twist lock photocell



SILVAIR

Bluetooth mesh network PIR Plug and Play Motion Sensor

- SKU: SILVAIRO1
- PIR plug and play motion sensor
- Bluetooth control work with Silvair app on IOS and Android.



Infrared plug and play motion sensor 12/24V (Standard)

- SKU: HD09VR-PIR
- Remote Control available sold separately(HD06R)
- Passive Infrared plug and play motion sensor.
- Suitable for 120-277V and 347-480V fixtures.
- Default setting Detection Area - 100%, Holdtime - 5S, Daylight Threshold - disable
- Standby Period - 0S, Standby Dimming Level - 10%



Microwave plug and play motion sensor 12/24V

- SKU: BL-ANT5-4T-PIR
- Microwave motion sensor
- Suitable for 120-277V and 347-480V fixtures.
- Remote Control available sold separately(RC-MS100)



Glare Shield

- SKU: Glareshield-APK-M/Glareshield-APK-L



Full Glare Shield

- SKU: Glareshield-APK-M-FULL/Glareshield-APK-L-FULL



Multi Direction Mount (For wall mount & arm mount use only)

- SKU: UNVPK
- Adjustable universal mount allow custom the beam direction.

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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

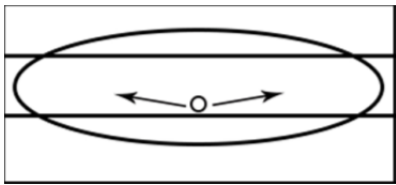


Yoke Mount
 Die-cast aluminum trunnion is easily adapted to many surfaces and allows easy fixture aiming angles.

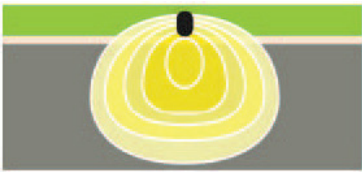


Adjustable Arm Mount
 Standard versatile mounting arm is simple to install and can be used with existing poles for retrofit installations.

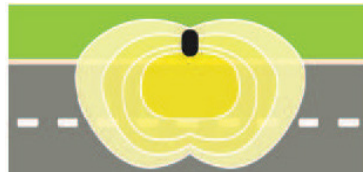
Distribution Type



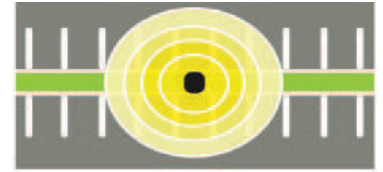
Type 2 - Optics is typically used for narrow roadways, and any driving area where a narrow longitudinal throw is required.



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 spacing.



Type 4 - Suitable for applications where light is primarily required forward with minimal back light. Typical installations include perimeter poles



Type 5 - Optics produce a symmetrical square distribution pattern that distributes light equally on all sides of the luminaire.