

THE POWER OF LIGHT

ILLUMADYNE



LED AREA LIGHT

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PROJECT NAME:

CATALOG #:

VOLTAGE:

WATTS:

FIXTURE TYPE:

CONTROLS TYPE:

ELECTRICAL

- Standard universal voltage (100-240/277Vac) input, 50/60Hz and 200-480V input, 50/60Hz optional.
- L90 calculated life: 50,000+ hours.
- 0-10V/ PMW/ Timer dimming,
- 3 Timer Modes, Dim-to-Off with Standby Power ≤ 0.5W
- Constant current driver, 100-277Vac, 50-60Hz, 347/480V.
- High efficiency driver: up to 93.5%, minimum efficiency 87.5%.
- Input Surge Protection: 6kVA line-line, 10kV line-ground.
- Photocell, PIR sensor, 20KV SPD available

CONSTRUCTION & MATERIALS

- Precision engineered lenses made of optical grade Mitsubishi polycarbonate for maximum light intensity.
- Type III, Type IV, Type V, Type V Wide distributions available.
- Designed to provide the right amount of light regardless of size or shape.
- Delivers improved visual comfort with less glare and more uniform illumination.
- Available in 2700K, 3000K, 4000K, 5000K, 5700K CCT.
- Efficacy up to 140lm/W and 170lm/W, provide high lumen output and precision distributions ensuring maximum energy efficiency.
- Full Cutoff classification.
- Minimum CRI of 70 and 80

ISB Large Housing

EPA with Knuckle (sq. ft.): 0.72

EPA with Slide & Lock (sq. ft.): 0.79

ISB Medium Housing

EPA with Knuckle (sq. ft.): 0.51

EPA with Slide & Lock (sq. ft.): 0.58

ISB Small Housing

EPA with Knuckle (sq. ft.): 0.44

EPA with Slide & Lock (sq. ft.): 0.52



ORDERING EXAMPLE: ISB - XXX - XX - XX - XXXX - XX - XX - XX - X - XXX

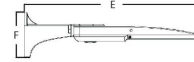
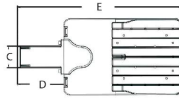
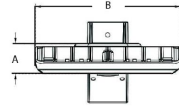
ORDERING GUIDE

SERIES	WATT	VOLTAGE	LED CHIPS	CCT & CRI	DISTRIBUTION
ISB	75W	NV 100-277V	35 3535	2770 2700K 70CRI	T3 Type 3
	115W	HV 277/480V	50 5050	3070 3000K 70CRI	T4 Type 4
	145W			4070 4000K 70CRI	T5 Type 5
	180W			5070 5000K 70CRI	T5W Type 5 Wide
	200W			5770 5700K 70CRI	
	230W			3080 3000K 80CRI	
	300W			4080 4000K 80CRI	
	360W			5080 5000K 80CRI	
	420W			5780 5700K 80CRI	
Notes:	Notes:	Notes:	Notes:	Notes:	Notes:

TYPE OF CONTROLS	HOUSING	BRACKETS	OPTIONS
00 Without Sensor SN Motion Sensor PH Photocell SC Smart Controls	BK Black BZ Bronze WH White CP Custom Paint	A Slip Fitter B Slide and Lock Pole Mount C Slide and Lock Wall Mount	SPD-10 10KV SPD-20 20KV HSS House Side Shield EGS External Glare Shield
Notes:	Notes:	Notes:	Notes:

LED AREA LIGHT

FIXTURE DIMENSIONS



A	B	C	D	E	F
Dimensions of 75W, 115W and 145W Models					
56mm/2.2"	270mm/10.6"	77mm/3.0"	165mm/6.49"	585mm/23.0"	150mm/5.9"
Dimensions of 180W, 200W, 230W and 250W Models					
56mm/2.2"	350mm/13.7"	77mm/3.0"	165mm/6.49"	679mm/26.7"	150mm/5.9"
Dimensions of 300W and 420W Models					
75mm/3.0"	360mm/14.0"	77mm/3.0"	165mm/6.49"	750mm/30.0"	150mm/5.9"

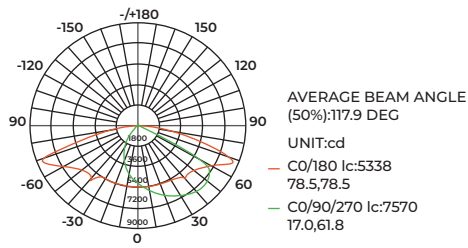
SPECIFICATIONS

MODEL	SYSTEM WATTS	DISTRIBUTION TYPE	CCT	CRI	LUMEN OUTPUT	REPLACE MHL	FIXTURE DIMENSIONS	NET WEIGHT
ISB-75W	75W	TYPE II	4000K	70CRI	13121LM	300W	23*11*2.2" (585*270*56mm)	11lbs (4.8kg)
		TYPE III	5000K					
		TYPE IV	5700K					
		TYPE V WIDE	5700K					
ISB-115W	115W	TYPE II	4000K	70CRI	18689LM	400W	23*11*2.2" (585*270*56mm)	11lbs (4.8kg)
		TYPE III	5000K					
		TYPE IV	5700K					
		TYPE V WIDE	5700K					
ISB-145W	145W	TYPE II	4000K	70CRI	24699LM	500W	23*11*2.2" (585*270*56mm)	11lbs (4.8kg)
		TYPE III	5000K					
		TYPE IV	5700K					
		TYPE V WIDE	5700K					
ISB-180W	180W	TYPE II	4000K	70CRI	30870LM	600W	26.7*14*2.2" (679*350*56mm)	12lbs (5.5kg)
		TYPE III	5000K					
		TYPE IV	5700K					
		TYPE V WIDE	5700K					
ISB-200W	200W	TYPE II	4000K	70CRI	33012LM	750W	26.7*14*2.2" (679*350*56mm)	12lbs (5.5kg)
		TYPE III	5000K					
		TYPE IV	5700K					
		TYPE V WIDE	5700K					
ISB-230W	230W	TYPE II	4000K	70CRI	36162LM	850W	26.7*14*2.2" (679*350*56mm)	12lbs (5.5kg)
		TYPE III	5000K					
		TYPE IV	5700K					
		TYPE V WIDE	5700K					
ISB-300W	300W	TYPE II	4000K	70CRI	43500LM	1000W	30*14*3.0" (750*360*75mm)	23lbs (10.5kg)
		TYPE III	5000K					
		TYPE IV	5700K					
		TYPE V WIDE	5700K					
ISB-360W	360W	TYPE II	4000K	70CRI	52200LM	1000W	30*14*3.0" (750*360*75mm)	23lbs (10.5kg)
		TYPE III	5000K					
		TYPE IV	5700K					
		TYPE V WIDE	5700K					
ISB-420W	420W	TYPE II	4000K	70CRI	60060LM	1200W	30*14*3.0" (750*360*75mm)	23lbs (10.5kg)
		TYPE III	5000K					
		TYPE IV	5700K					
		TYPE V WIDE	5700K					

LED AREA LIGHT

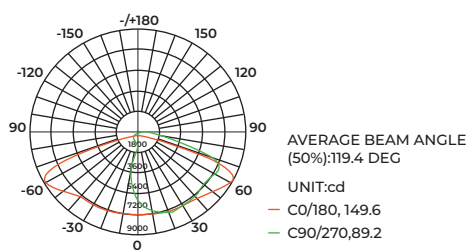
PHOTOMETRY

TYPE III DISTRIBUTION (160-170LM/W)



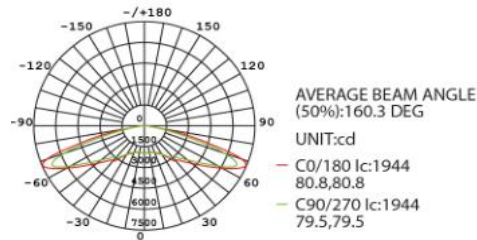
WATTAGE		3000K/70CRI	4000K/70CRI	5000K/70CRI	5700K/70CRI
	BUG Rating	Initial Delivered Lumens	Initial Delivered Lumens	Initial Delivered Lumens	Initial Delivered Lumens
75W	B2-U1-G2	12876	12998	13121	13182
115W	B3-U0-G2	18375	18532	18689	18767
145W	B3-U0-G3	24018	24358	24699	24869
180W	B3-U0-G3	29970	30420	30870	31096
200W	B4-U0-G3	32092	32552	33012	33243
230W	B4-U0-G3	35182	35672	36162	36408
300W	B4-U0-G4	41400	42000	42900	43500
420W	B4-U0-G5	56700	57960	59220	60060

TYPE IV MEDIUM DISTRIBUTION (160-170LM/W)



WATTAGE		3000K/70CRI	4000K/70CRI	5000K/70CRI	5700K/70CRI
	BUG Rating	Initial Delivered Lumens	Initial Delivered Lumens	Initial Delivered Lumens	Initial Delivered Lumens
75W	B3-U0-G2	12876	12998	13121	13182
115W	B3-U0-G3	18375	18532	18689	18767
145W	B3-U0-G3	24018	24358	24699	24869
180W	B3-U0-G4	29970	30420	30870	31096
200W	B4-U0-G4	32092	32552	33012	33243
230W	B4-U0-G4	35182	35672	36162	36408
300W	B4-U0-G5	41400	42000	42900	43500
420W	B4-U0-G5	56700	57960	59220	60060

TYPE V WIDE DISTRIBUTION (160-170LM/W)



WATTAGE		3000K/70CRI	4000K/70CRI	5000K/70CRI	5700K/70CRI
	BUG Rating	Initial Delivered Lumens	Initial Delivered Lumens	Initial Delivered Lumens	Initial Delivered Lumens
75W	B4-U0-G2	12876	12998	13121	13182
115W	B4-U0-G2	18375	18532	18689	18767
145W	B5-U0-G3	24018	24358	24699	24869
180W	B5-U0-G4	29970	30420	30870	31096
200W	B5-U0-G4	32092	32552	33012	33243
230W	B5-U0-G4	35182	35672	36162	36408
300W	B5-U0-G4	41400	42000	42900	43500
420W	B5-U0-G5	56700	57960	59220	60060

FIXTURE IMAGES



LARGE AREA LIGHT



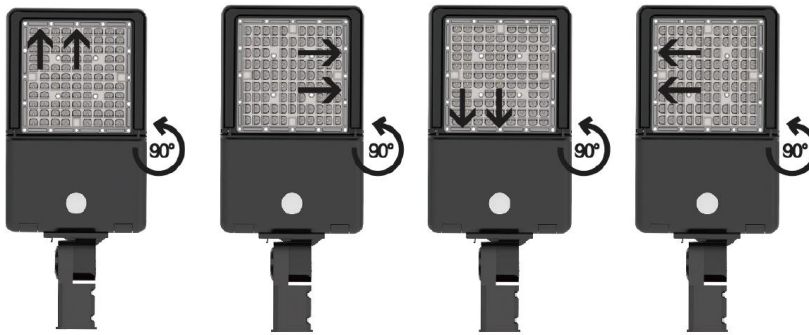
MEDIUM AREA LIGHT



SMALL AREA LIGHT

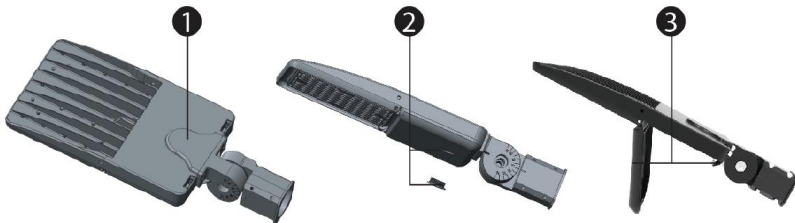
LED AREA LIGHT

EASY LIGHT DISTRIBUTION



The ISB area luminaire comes standard with field-rotatable optics.

SMART DESIGN



1. Space reserved for photocell sensor
2. Space reserved for occupancy sensor with waterproof seal
3. Tool-free maintenance

MECHANICAL

- Designed for commercial and industrial applications, providing cooler operating temperatures, brighter illumination and longer LED life.
- The housing is made of die-casting aluminum alloy and utilizes external fins to ensure greater heat dissipation.
- Anti-corrosion coating.
- Light in weight: 11lbs for small body and 12lbs for large body.

MOUNTING

- 3 different mounting brackets simplify your installation job, making installation to any style of pole quicker and easier.
- Customized pole adapters available for special installation. Consult Illumadyne for details.

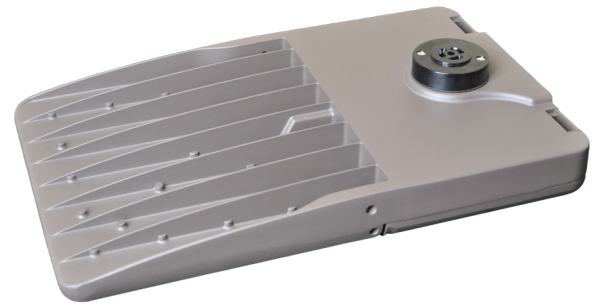
CERTIFICATES

- ISB area luminaires have been tested by UL authorized lab in accordance with IESNA LM-79 & LM-80.
- Listed to UL 1698 and UL 8750, UL File number: E497331.
- FCC certified.
- Suitable for wet locations.

SERVICE

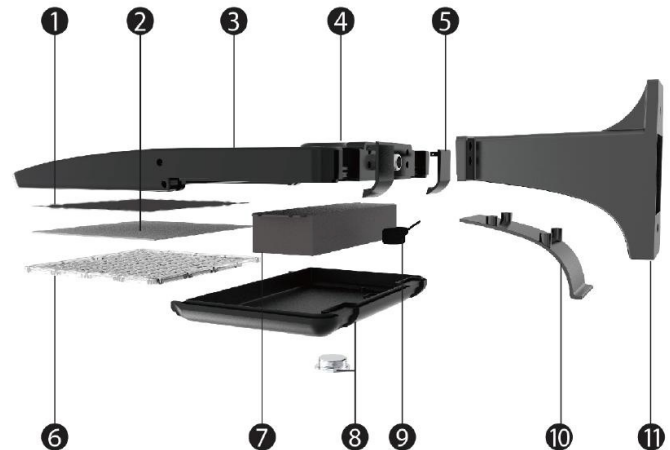
- Consult Illumadyne for luminosity modeling/lighting simulation.

PHOTOCELL DETAIL



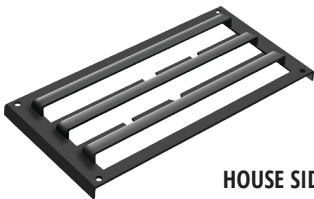
CONSTRUCTION FEATURES

1. Super efficient heat dissipation layer
2. Light source PCB board with LEDs
3. Die casting aluminum unibody main housing, IP66
4. Space for 5/7 pin receptacle upgradable for photocell sensor and smart system
5. Tool free buckle to driver access panel
6. Optical grade rotatable PC lens Type III/IV/V/V Wide
7. Premium 1-10V dimmable driver 100-277V/347V/480V optional
8. Tool free driver access panel with space reserved for occupancy sensor covered by removable cap
9. Surge protection device
10. Bracket access panel for wiring
11. Exchangeable bracket fits round/square pole.



LED AREA LIGHT

ACCESSORIES: ORDER SEPARATELY



HOUSE SIDE SHIELD

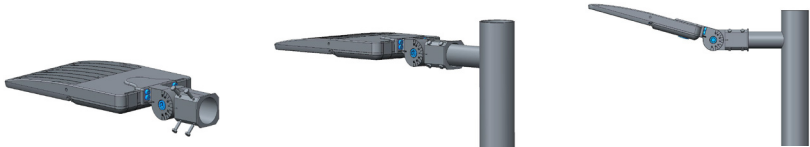


EXTERNAL GLARE SHIELD

TYPE A: SLIPFITTER	TYPE B: SLIDE AND LOCK POLE MOUNT	TYPE C: SLIDE AND LOCK WALL MOUNT
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TYPE A - SLIPFITTER

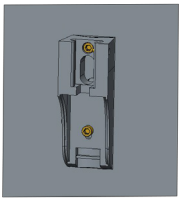


TYPE B - SLIDE AND LOCK POLE MOUNT

(For Square and Round Poles)



TYPE C - SLIDE AND LOCK WALL MOUNT



LED AREA LIGHT

