


Collection of compact exterior luminaires for architectural lighting. Rugged stainless steel construction, with tempered glass lens, these luminaires are designed to perform in extreme conditions. This serie is available in 3 sizes, that can be installed for in-ground, wall or ceiling applications. Complete range of optic distributions for accent lighting, effects lighting and markers.

**Luminaire characteristics:**

**Power input:** 1W to 5.5W  
**Lumens:** 7lm to 531lm (for 3000K, 80CRI)  
**Luminaire efficacy:** Up to 99lm/W

<b>Source:</b>	LUXEON LED module (LM-80) 2700K: 80CRI, 3000K: 80CRI, 3500K: 80CRI, 4000K: 80CRI.
<b>Lumen maintenance:</b>	ILUO28: 90% of initial lumens at 100 000 hours (L90) ILUO50: 80% of initial lumens at 98 000 hours (L80) ILUO80: 80% of initial lumens at 98 000 hours (L80)
<b>Optics:</b>	Spot, medium, flood, wide flood with Opti Beam technology. Wall washer, diffuse or light blade.
<b>Material:</b>	Body and frame : AISI 304 stainless steel Diffuser: 6 to 8 mm extra-clear or opal sodium-calcium tempered glass. Optics: PMMA lens or PE film for diffuse optic, clear, black or metalized polycarbonate reflector
<b>Mounting:</b>	Ground, wall or ceiling recessed installation using polypropylene back box or panel mounting springs. Supplied with 6ft (2m) long outdoor rated power cable. 12" of gravel is required below the luminaire to allow proper drainage.
<b>Electrical:</b>	High efficiency LED driver, rated at 50 000 hours. See remote LED driver options on page 3.
<b>Finish:</b>	Stainless steel
<b>Weight:</b>	ILUO28: 0.4lbs (0.2kg) ILUO50: 1.2lbs (0.5kg) ILUO80: 2.8lbs (1.3kg)
<b>Load capacity:</b>	4 409lbs (2 000kg)
<b>Glass surface temperature:</b>	104°F (40°C)
<b>Operating temperature:</b>	ILUO28: -13 to 95°F (-25 to 35°C) ILUO50: -13 to 122°F (-25 to 50°C) ILUO80: -4 to 95°F (-20 to 35°C)
<b>Warranty:</b>	5 year limited warranty
<b>Ratings:</b>	IP68, IK09
<b>Certification:</b>	 cULus listed for wet location.

## ORDERING INFO



### PRODUCT CODE

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Select remote driver on page 3

MODEL	OUTPUT	LED	OPTIC	VOLTAGE	FINISH
<b>28</b> 1" (28mm)	<b>BO</b> Base output	<b>827</b> 2700K, 80CRI	<b>BL</b> <sup>1 2</sup> Light blade	<b>REM</b> Remote	<b>13</b> Stainless steel
<b>50</b> 2" (50mm)	<b>MO</b> <sup>1 2</sup> Medium output	<b>830</b> 3000K, 80CRI	<b>SP</b> <sup>1 2 4</sup> Spot - 28mm (12") - 50mm (6") - 80mm (9")		
<b>80</b> 3" (80mm)	<b>HO</b> <sup>1</sup> High output	<b>835</b> 3500K, 80CRI	<b>MD</b> <sup>3 4</sup> Medium - 28mm (22") - 50mm (24")		
			<b>FL</b> <sup>2</sup> Flood - 80mm (32")		
			<b>WF</b> <sup>2 3</sup> Wide flood - 50mm (43") - 80mm (50")		
			<b>DI</b> <sup>1 2 4</sup> Diffuse		
			<b>WW</b> <sup>2 3</sup> Wall washer		
			<b>WL</b> <sup>2 3</sup> Wall washer super comfort		

- <sup>1</sup> Available for **50** model.  
<sup>2</sup> Available for **80** model.  
<sup>3</sup> Available for **50** model with base output (**BO**).  
<sup>4</sup> Available for **28** model.

## MOUNTING ACCESSORIES (TO BE ORDERED SEPARATELY)

- ☐ **X190-02** - Polypropylene recessed back box for in-ground installation for **ILUO28**  
Ø5½" x 4" (Ø140 x 101mm)
- ☐ **X191-02** - Polypropylene recessed back box for wall and ceiling installation for **ILUO28**  
Ø5½" x 4" (Ø140 x 101mm)
- ☐ **X193-02** - Polypropylene recessed back box for in-ground, wall and ceiling installation for **ILUO50**  
Ø6¾" x 4" (Ø170 x 110mm)
- ☐ **X195-02** - Polypropylene recessed back box for in-ground and wall installation for **ILUO80**  
Ø7½" x 4" (Ø190 x 110mm)



- ☐ **X192** - Mounting springs for panel installation for **ILUO28**  
(panel thickness ¼" to ¾" or 1-¾" for floating floor boards)



- ☐ **X194** - Mounting springs for panel installation for **ILUO50**  
(panel thickness ¼" to ¾" or 1-¾" for floating floor boards)



- ☐ **X196** - Mounting springs for panel installation for **ILUO80**  
(panel thickness ¼" to ¾" or 1-¾" for floating floor boards)

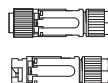


- ☐ **9583** - Suction cup for fixture removal



## WATERPROOF IP68 FIELD CONNECTOR For 0.25" - 0.375" (5-9.5mm) cable, 2x 16-24 AWG conductors

- ☐ **9015-9016-KIT** - Female and male connector.



## WIRING ACCESSORIES (TO BE ORDERED SEPARATELY)

- ☐ **9581-02** - Black watertight connectors (x4), rated IP68



**REMOTE LED DRIVER OPTIONS (TO BE ORDERED SEPARATELY)**

PRODUCT CODE

**Outdoor rated drivers**

Driver box model	Min-max units								
	ILUO28	ILUO50				ILUO80			
	BO (1W*) SP, MD, DI	BO (1W*) BL, SP, DI, WW, WL	BO (3.8W*) MD, WF	MO (1.4W*) SP, DI	HO (2W*) SP, DI	BO (2.9W / 3W*) BL, WW, WL	BO (3.8W*) SP, FL, WF, DI	MO (4.2W*) BL, WW, WL	MO (5.5W*) SP, FL, WF, DI
4548-0350-006-120-D10	2-5								
4548-0350-012-120-LTE	3-10								
4549-0350-019-UNV-ED10	1-17	1-17	1-4			1-5	1-4		
4549-0350-019-UNV-SD10	1-17	1-17	1-4			1-5	1-4		
4548-0500-020-UNV-D10				6-12				2-4	2-3
4548-0500-025-120-LTE				6-15				2-5	2-4
4549-0500-027-UNV-ED10				1-17				1-5	1-4
4549-0500-027-UNV-SD10				1-17				1-5	1-4
4549-0700-030-UNV-ED10					1-14				
4549-0700-030-UNV-SD10					1-14				

**Indoor rated drivers**

Driver box model	Min-max units								
	ILUO28	ILUO50				ILUO80			
	BO (1W*) SP, MD, DI	BO (1W*) BL, SP, DI, WW, WL	BO (3.8W*) MD, WF	MO (1.4W*) SP, DI	HO (2W*) SP, DI	BO (2.9W / 3W*) BL, WW, WL	BO (3.8W*) SP, FL, WF, DI	MO (4.2W*) BL, WW, WL	MO (5.5W*) SP, FL, WF, DI
4444-0350-006-120-D10	2-5								
4444-0350-012-120-LTE	3-10	3-10	1-2			1-3	1-2		
4443-0350-013-UNV-D2	6-12								
4450-0350-019-UNV-D10	3-16	3-16	1-4			2-5	1-4		
4450-0350-019-UNV-ED10	1-17	1-17	1-4			1-5	1-4		
4450-0350-019-UNV-SD10	1-17	1-17	1-4			1-5	1-4		
4450-0500-027-UNV-ED10				1-17				1-5	1-4
4450-0500-027-UNV-SD10				1-17				1-5	1-4
4450-0700-030-UNV-ED10					1-14				
4450-0700-030-UNV-SD10					1-14				
4450-0700-038-UNV-D10					3-16				

\* Wattage requirement for one (1) fixture (remote fixture only).

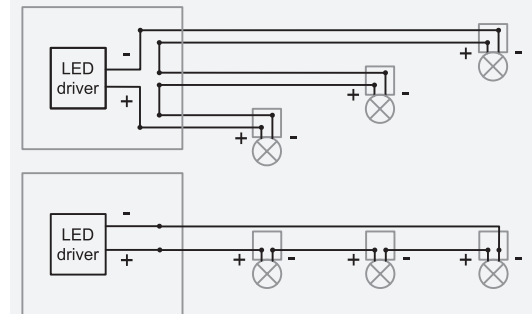
**DRIVER CODE SELECTION**

Complete the ordering info to activate the driver code selection menu.				
MODEL	CONSTANT CURRENT	WATTAGE	VOLTAGE	DIMMING PROTOCOL
<b>4443</b> 5" x 4" x 3" (127 x 102 x 76mm)	<b>0350</b> 350mA	<b>006 to 030</b> 6W to 30W	<b>120</b> 120V	<b>D10</b> 0-10V Max distance: 9m (30ft)* (down to 10%)
<b>4444</b> 6" x 4" x 3" (152 x 102 x 76mm)	<b>0500</b> 500mA		<b>UNV</b> 120-277V	<b>D2</b> Lutron Hi Lume® 1% EcoSystem™ (Soft-on, Fade to Black) Max distance: 9m (30ft)* (down to 1%)
<b>4450</b> 8" x 8" x 4" (203 x 203 x 102mm)	<b>0700</b> 700mA			<b>ED10</b> 0-10V ELDOLED ECOdrive Max distance: 36m (118ft)* (down to 1%)
<b>4548</b> 6" x 4.5" x 3" (152 x 114 x 76mm)				<b>SD10</b> 0-10V ELDOLED SOLOdrive Max distance: 36m (118ft)* (down to 0.1%)
<b>4549</b> 14.5" x 5" x 3.5" (368 x 127 x 89mm)				<b>LTE</b> Leading edge and trailing edge (ELV and TRIAC) Max distance: 100m (330ft)* (down to 15%)

\*Max distance cable calculated for 16AWG cable. Contact customer service for longer remote distance.

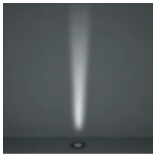
**WIRING DIAGRAMS**

Multiple luminaires must be connected in series (home run or fixture chain)



**FAMILY OVERVIEW**

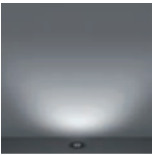
**1" (28mm)**



Spot (12°)

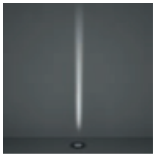
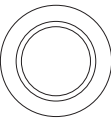


Medium (21°)

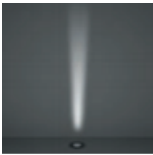


Diffuse

**2" (50mm)**



Light blade



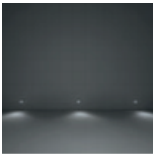
Spot (8°)



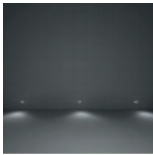
Medium (24°)



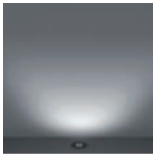
Wide flood (44°)



Wall washer

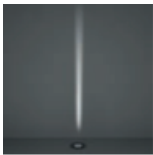
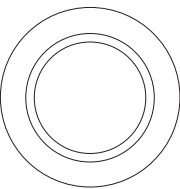


Wall washer  
super comfort

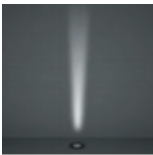


Diffuse

**3" (80mm)**



Light blade



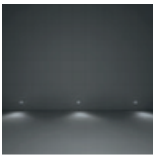
Spot (°)



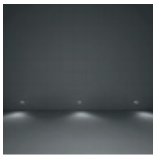
Flood (32°)\*



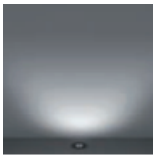
Wide flood (50°)\*



Wall washer



Wall washer  
super comfort

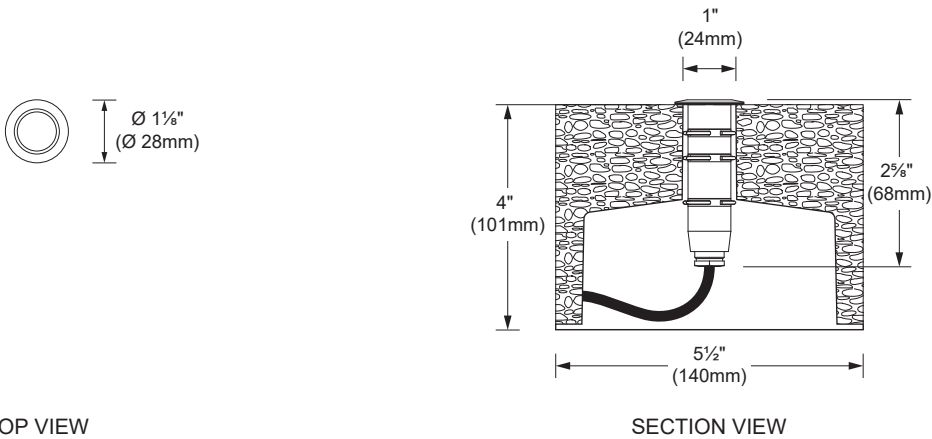


Diffuse

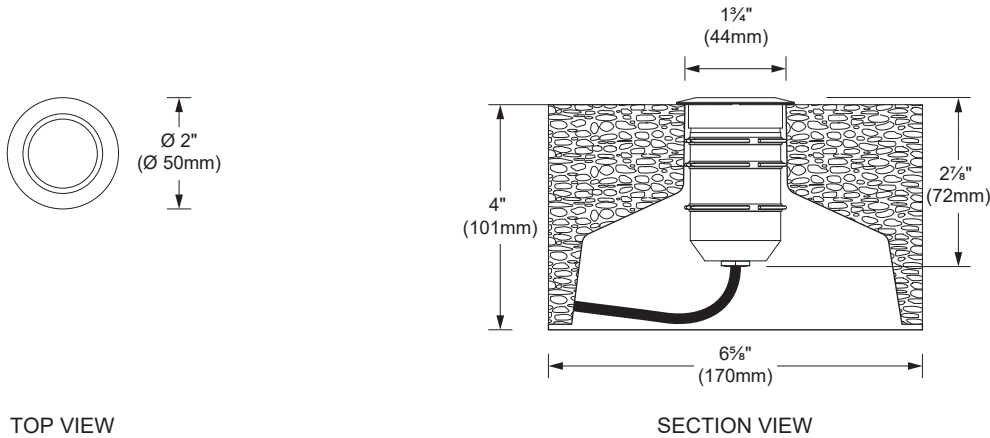
\* Optics also offered in Comfort version with honeycomb louver. See photometric information (page 11-13).

**DIMENSIONS**

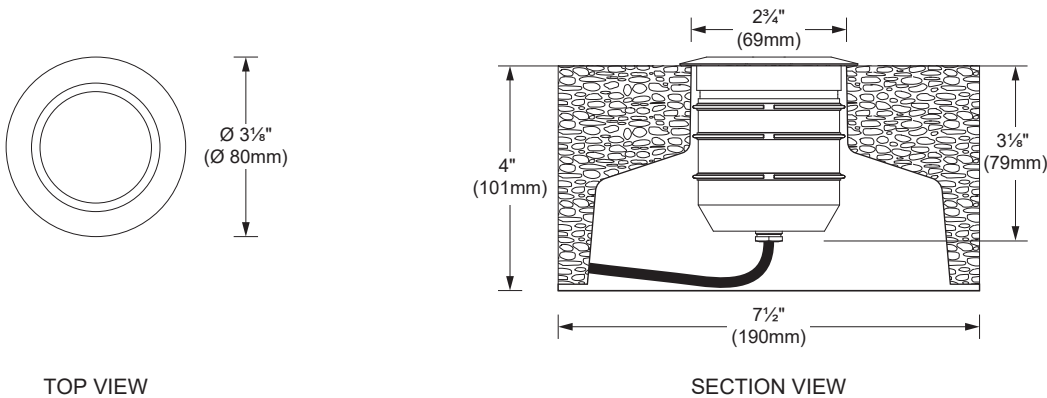
**1" (28mm)**



**2" (50mm)**



**3" (80mm)**

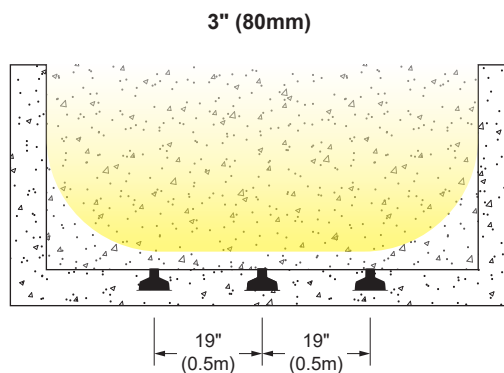
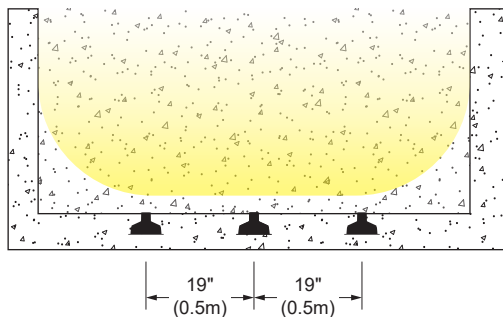


### SUGGESTED SURFACE DISTANCE

## 2" (50mm)

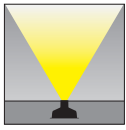


## 2" (50mm)

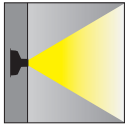


**PHOTOMETRIC DATA**

1" (28mm)



Ground



Wall

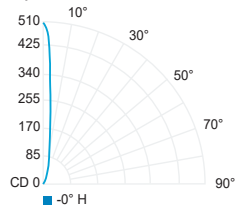


Ceiling

CCT (K)	CRI	OUTPUT	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
3000K	80	BO	1W	Spot 12°	48	48	507	ILUO28-BO-830-SP
				Medium 21°	56	56	368	ILUO28-BO-830-FL
				Diffuse	7	7	3	ILUO28-BO-830-DI

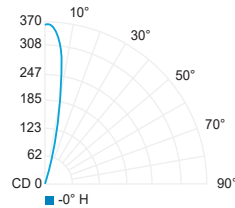
\*For products that uses a remote led driver, total system wattage will varies according to the efficacy of the remote led driver selected. For this reason, the load and efficacy values given in the table above refers to the led source only and does not include the led driver consumption.

Spot 12° BO (3000K, 80CRI)



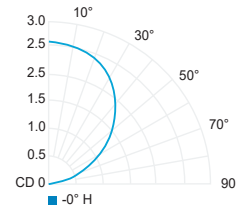
	Center beam fc	Beam width ft
12ft	3.52	2.6
10ft	5.07	2.1
8ft	7.92	1.7
6ft	14.1	1.3
4ft	31.7	0.9
2ft	127	0.4

Medium 21° BO (3000K, 80CRI)



	Center beam fc	Beam width ft
12ft	2.49	4.4
10ft	3.59	3.6
8ft	5.61	2.9
6ft	9.97	2.2
4ft	22.4	1.5
2ft	89.8	0.7

Diffuse BO (3000K, 80CRI)

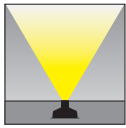


	Center beam fc	Beam width ft
12ft	0.02	34.0
10ft	0.03	28.3
8ft	0.04	22.7
6ft	0.07	17.0
4ft	0.16	11.3
2ft	0.65	5.7

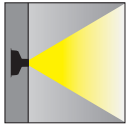
CCT options	2700K	3000K	3500K	4000K
CRI options	80CRI	80CRI	80CRI	80CRI
<b>Multiplier</b>	<b>1</b>	<b>1</b>	<b>1.04</b>	<b>1.08</b>

**PHOTOMETRIC DATA**

2" (50mm)



Ground



Wall

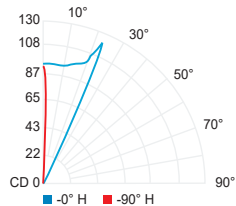


Ceiling

CCT (K)	CRI	OUTPUT	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
3000K	80	BO	1W	Light blade	9	9	121	ILUO50-BO-830-BL
				Spot 6°	86	86	3 412	ILUO50-BO-830-SP
			4W	Medium 24°	352	88	1 675	ILUO50-BO-830-FL
				Wide flood 43°	352	88	719	ILUO50-BO-830-WF
			1W	Wall washer	43	43	56	ILUO50-BO-830-WW
				Wall washer SC (super comfort)	12	12	16	ILUO50-BO-830-WL
		MO	1.5W	Diffuse	14	14	5	ILUO50-BO-830-DI
				Spot 6°	119	79	4 724	ILUO50-MO-830-SP
		HO	2W	Diffuse	20	13	7	ILUO50-MO-830-DI
				Spot 6°	159	79	6 299	ILUO50-HO-830-SP
				Diffuse	25	12	9	ILUO50-HO-830-DI

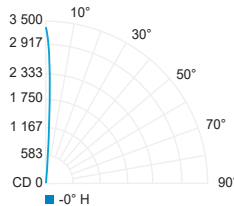
\*For products that uses a remote led driver, total system wattage will varies according to the efficacy of the remote led driver selected. For this reason, the load and efficacy values given in the table above refers to the led source only and does not include the led driver consumption.

Light blade BO (3000K, 80CRI)



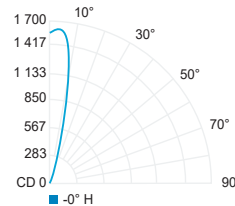
Center beam fc	Beam width ft
12ft 0.65	1.0 10.8
10ft 0.94	0.8 9.0
8ft 1.47	0.6 7.2
6ft 2.61	0.5 5.4
4ft 5.87	0.3 3.6
2ft 23.5	0.2 1.8

Spot 6° BO (3000K, 80CRI)



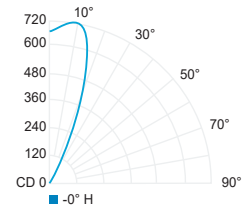
Center beam fc	Beam width ft
12ft 23.7	1.2
10ft 34.1	1.0
8ft 53.3	0.8
6ft 94.8	0.6
4ft 213	0.4
2ft 853	0.2

Medium 24° BO (3000K, 80CRI)



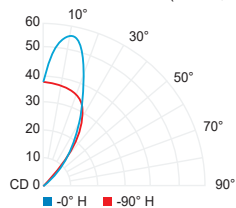
Center beam fc	Beam width ft
12ft 11.2	5.2
10ft 16.2	4.3
8ft 25.3	3.4
6ft 44.9	2.6
4ft 101	1.7
2ft 405	0.9

Wide flood 43° BO (3000K, 80CRI)

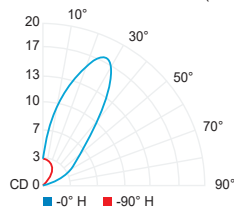


Center beam fc	Beam width ft
12ft 4.53	9.6
10ft 6.52	8.0
8ft 10.2	6.4
6ft 18.1	4.8
4ft 40.7	3.2
2ft 163	1.6

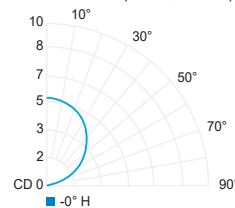
Wall washer BO (3000K, 80CRI)



Wall washer SC BO (3000K, 80CRI)



Diffuse BO (3000K, 80CRI)



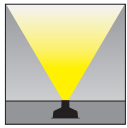
Center beam fc	Beam width ft
12ft 0.04	32.7
10ft 0.05	27.2
8ft 0.08	21.8
6ft 0.15	16.3
4ft 0.33	10.9
2ft 1.33	5.4

CCT options	2700K	3000K	3500K	4000K
CRI options	80CRI	80CRI	80CRI	80CRI
Multiplier	1	1	1.04	1.08

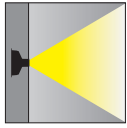


**PHOTOMETRIC DATA**

3" (80mm)



Ground

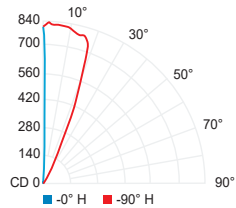


Wall

CCT (K)	CRI	OUTPUT	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
3000K	80	BO	3W	Light blade	31	10	877	ILUO80-BO-830-BL
			4W	Spot 9°	398	99	8 775	ILUO80-BO-830-SP
				Flood 32°	329	82	1 144	ILUO80-BO-830-FL
				Wide flood 50°	385	96	738	ILUO80-BO-830-WF
			3W	Wall washer	148	49	178	ILUO80-BO-830-WW
				Wall washer SC (super comfort)	46	15	56	ILUO80-BO-830-WL
			4W	Diffuse	47	11	17	ILUO80-BO-830-DI
		MO	4.5W	Light blade	41	9	1 170	ILUO80-MO-830-LB
			5.5W	Spot 9°	531	96	11 700	ILUO80-MO-830-SP
				Flood 32°	440	80	1 534	ILUO80-MO-830-FL
				Wide flood 50°	516	93	989	ILUO80-MO-830-WF
			4.5W	Wall washer	200	47	241	ILUO80-MO-830-WW
				Wall washer SC (super comfort)	62	14	74	ILUO80-MO-830-WL
			5.5W	Diffuse	62	11	23	ILUO80-MO-830-DI

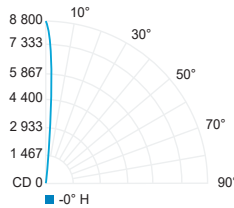
\*For products that uses a remote led driver, total system wattage will varies according to the efficacy of the remote led driver selected. For this reason, the load and efficacy values given in the table above refers to the led source only and does not include the led driver consumption.

Light blade BO (3000K, 80CRI)



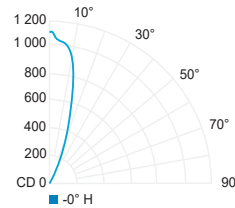
	Center beam fc	Beam width ft
12ft	5.63	1.5 10.0
10ft	8.11	0.4 8.3
8ft	12.7	0.3 6.7
6ft	22.5	0.3 5.0
4ft	50.7	0.2 3.3
2ft	203	0.1 1.7

Spot 9° BO (3000K, 80CRI)



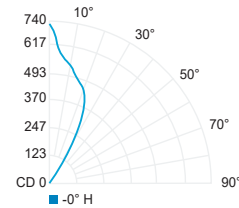
	Center beam fc	Beam width ft
12ft	60.9	1.8
10ft	87.7	1.5
8ft	137	1.2
6ft	244	0.9
4ft	548	0.6
2ft	2 194	0.3

Flood 32° BO (3000K, 80CRI)



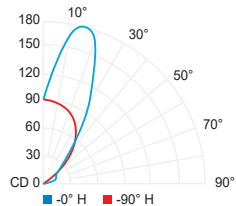
	Center beam fc	Beam width ft
12ft	7.74	6.9
10ft	11.2	5.8
8ft	17.4	4.6
6ft	31.0	3.5
4ft	69.7	2.3
2ft	279	1.2

Wide flood 50° BO (3000K, 80CRI)

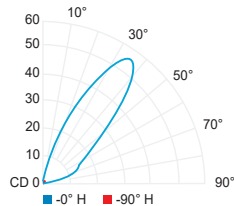


	Center beam fc	Beam width ft
12ft	5.12	11.2
10ft	7.38	9.3
8ft	11.5	7.4
6ft	20.5	5.6
4ft	46.1	3.7
2ft	184	1.9

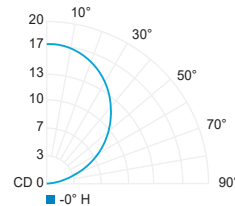
Wall washer BO (3000K, 80CRI)



Wall washer SC BO (3000K, 80CRI)



Diffuse BO (3000K, 80CRI)



	Center beam fc	Beam width ft
12ft	0.12	34.1
10ft	0.17	28.4
8ft	0.27	22.7
6ft	0.47	17.0
4ft	1.07	11.4
2ft	4.26	5.7

CCT options	2700K	3000K	3500K	4000K
CRI options	80CRI	80CRI	80CRI	80CRI
Multiplier	1	1	1.04	1.08