

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 series is available in 3 sizes, that can be installed for all in-ground application. Complete range of optic distributions for accent lighting, effects lighting and markers.

## Luminaire characteristics:

**Power input:** 1W to 5.5W (fixture wattage)  
**Lumens:** 7lm to 541lm (for 3000K, 80CRI)  
**Luminaire efficacy:** Up to 106lm/W

## Source:

LUXEON LED module (LM-80)  
2700K: 80CRI,  
3000K: 80CRI,  
3500K: 80CRI,  
4000K: 80CRI.

## Lumen maintenance:

ILUF28: 90% of initial lumens at 100 000 hours (L90)  
ILUF50: 80% of initial lumens at 99 000 hours (L80)  
ILUF80: 80% of initial lumens at 99 000 hours (L80)

## Optics:

Spot, medium, flood, wide flood with Opti Beam technology (comfort versions delivered with an integrated hex cell louver). Wall washer, diffuse, elliptical or light blade.

## Material:

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

## Mounting:

Ground recessed installation using polypropylene back box with AISI 304 stainless steel ring (to be ordered separately). Supplied with 6ft (1.8m) long outdoor rated power cable. 12" of gravel is required below the luminaire to allow proper drainage.

## Electrical:

High efficiency LED driver, rated at 50 000 hours. See remote LED driver options on page 3-9.

## Finish:

Stainless steel, gold/brass, bronze and burnished chrome.

## Weight:

ILUF28: 0.42lbs (0.19kg)  
ILUF50: 1.30lbs (0.59kg)  
ILUF80: 3.15lbs (1.43kg)

## Load capacity:

4 409lbs (2 000kg)

## Glass surface temperature:

104°F (40°C)

## Operating temperature:

ILUF28: -13 to 95°F (-25 to 35°C)  
ILUF50: -13 to 122°F (-25 to 50°C)  
ILUF80: -4 to 95°F (-20 to 35°C)

## Warranty:

5 year limited warranty

## Ratings:

IP68, IK07

## Certification:



cULus listed for wet location.

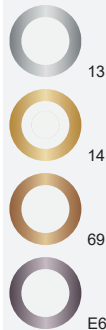


## ORDERING INFO



PRODUCT CODE					
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>2 3</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 (14°) - 50mm (8°) - 80mm (8°)		<b>14</b> Gold / brass
<b>80</b> 3" (80mm)	<b>HO</b> <sup>1</sup> High output	<b>835</b> 3500K, 80CRI	<b>SH</b> <sup>1 2</sup> Spot Comfort - 50mm (8°) - 80mm (6°)		<b>69</b> Bronze
			<b>MD</b> <sup>3 4</sup> Medium - 28mm (22°) - 50mm (24°)		<b>E6</b> Burnished chrome
			<b>MH</b> <sup>3</sup> Medium Comfort - 50mm (24°)		
			<b>FL</b> <sup>2</sup> Flood - 80mm (30°)		
			<b>FH</b> <sup>2</sup> Flood comfort - 80mm (28°)		
			<b>WF</b> <sup>2 3</sup> Wide flood - 50mm (40°) - 80mm (50°)		
			<b>WH</b> <sup>2 3</sup> Wide flood comfort - 50mm (40°) - 80mm (42°)		
			<b>EL</b> <sup>1 2</sup> Elliptical - 50mm (68°/12°) - 80mm (78°/10°)		
			<b>DI</b> <sup>1 2</sup> Diffuse		
			<b>WW</b> <sup>1 2</sup> Wall washer		

Select remote driver on page 3



- 1 Available for **50** model.  
2 Available for **80** model.  
3 Available for **50** model with base output (**BO**).  
4 Available for **28** model.  
\* Back box outer ring finish will match the fixture body finish.

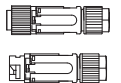
## MOUNTING ACCESSORIES (TO BE ORDERED SEPARATELY)

- ☐ **IX489-XX** - Polypropylene recessed back box for in-ground installation for **ILUF28** Ø5<sup>5</sup>/<sub>16</sub>" x 4<sup>5</sup>/<sub>16</sub>" (Ø135 x 109mm)
- ☐ **IX490-XX** - Polypropylene recessed back box for in-ground installation for **ILUF50** Ø6<sup>1</sup>/<sub>2</sub>" x 4<sup>1</sup>/<sub>16</sub>" (Ø165 x 125mm)
- ☐ **IX491-XX** - Polypropylene recessed back box for in-ground installation for **ILUF80** Ø7<sup>7</sup>/<sub>16</sub>" x 4<sup>3</sup>/<sub>4</sub>" (Ø186 x 120mm)
- ☐ **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

DRIVER CODE

### Outdoor rated drivers

Driver box model	Min-max units								
	ILUF28	ILUF50				ILUF80			
	BO (1W*) SP, FL, DI	BO (1W*) BL, SP, SH, EL, DI, WW	BO (3.8W*) MD, MH, WF, WH	MO (1.4W*) SP, SH, EL, DI	HO (2W*) SP, SH, EL, DI	BO (2.9W / 3W*) BL, WW	BO (3.8W*) SP, SH, FL, FH, WF, WH, EL, DI	MO (4.2W*) BL, WW	MO (5.5W*) SP, SH, FL, FH, WF, WH, EL, DI
4548-0350-006-120-D10	2-5	2-5							
4548-0350-012-120-LTE	3-10	3-10	1-2			1-3	1-2		
4548-0350-017-UNV-D10						2-5			
4548-0350-019-UNV-ED10	1-17	1-17	1-4			1-5	1-4		
4548-0350-019-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
4548-0700-004-120-LTE					1				
4548-0700-007-UNV-D10					2-3				
4548-0700-020-UNV-D10					4-8				
4548-0700-030-UNV-ED10					1-12				
4548-0700-030-UNV-SD10					1-12				

### Indoor rated drivers

Driver box model	Min-max units								
	ILUF28	ILUF50				ILUF80			
	BO (1W*) SP, FL, DI	BO (1W*) BL, SP, SH, EL, DI, WW	BO (3.8W*) MD, MH, WF, WH	MO (1.4W*) SP, SH, EL, DI	HO (2W*) SP, SH, EL, DI	BO (2.9W / 3W*) BL, WW	BO (3.8W*) SP, SH, FL, FH, WF, WH, EL, DI	MO (4.2W*) BL, WW	MO (5.5W*) SP, SH, FL, FH, WF, WH, EL, DI
4444-0350-006-120-D10	2-5	2-5							
4444-0350-012-120-LTE	3-10	3-10	1-2			1-3	1-2		
4443-0350-013-UNV-D2	6-12	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			1-5	1-4
4444-0700-004-120-LTE					1				
4444-0700-007-UNV-D10					2-3				
4443-0700-020-UNV-D2					4-8				
4450-0700-030-UNV-ED10					1-12				
4450-0700-030-UNV-SD10					1-12				

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

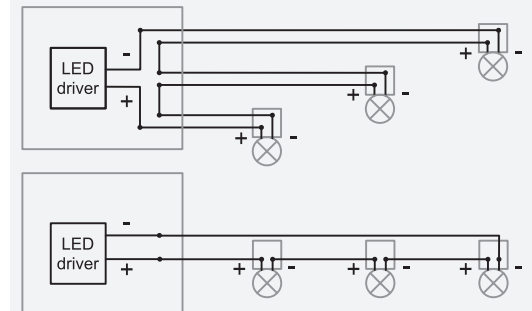
### Driver code example

XXXX	-XXXX	-XXX	-XXX	-XXX
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)



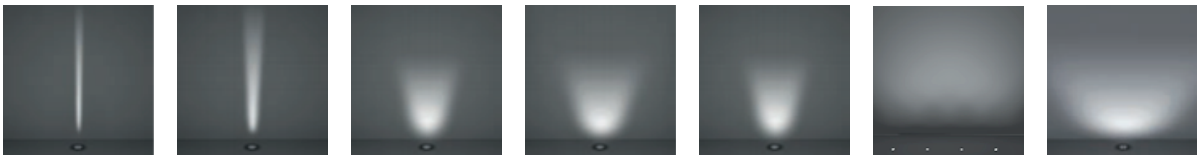
**FAMILY OVERVIEW**

**1" (28mm)**



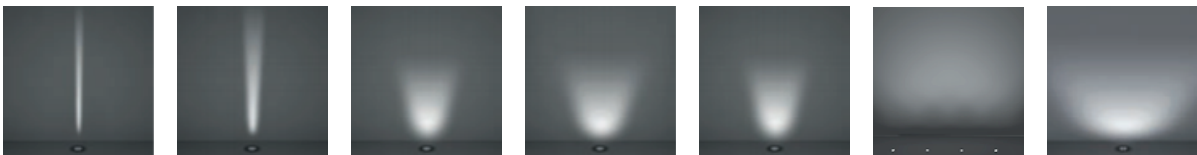
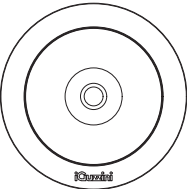
Spot (14°)      Medium (22°)      Diffuse

**2" (50mm)**



Light blade      Spot (8°)\*      Medium (24°)\*      Wide flood (42°)\*      Elliptical      Wall washer      Diffuse

**3" (80mm)**

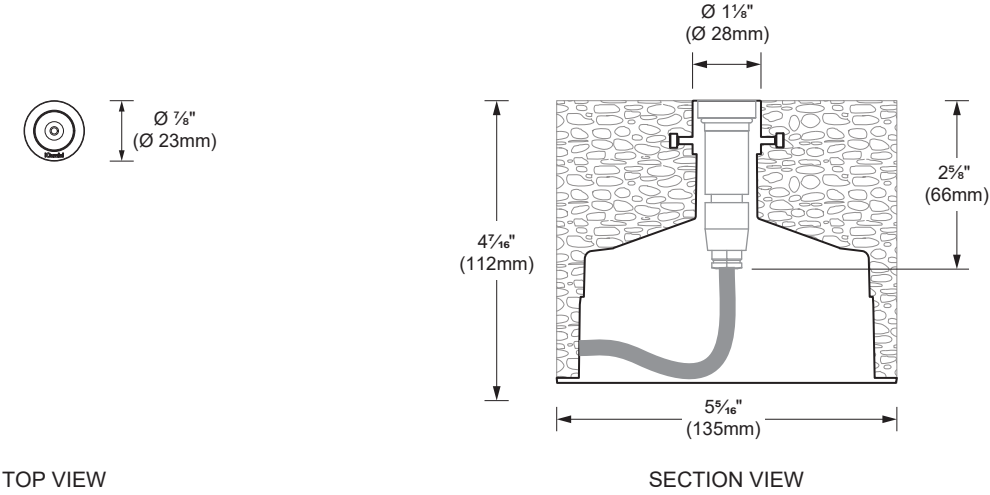


Light blade      Spot (8°)\*      Flood (30°)\*      Wide flood (50°)\*      Elliptical      Wall washer      Diffuse

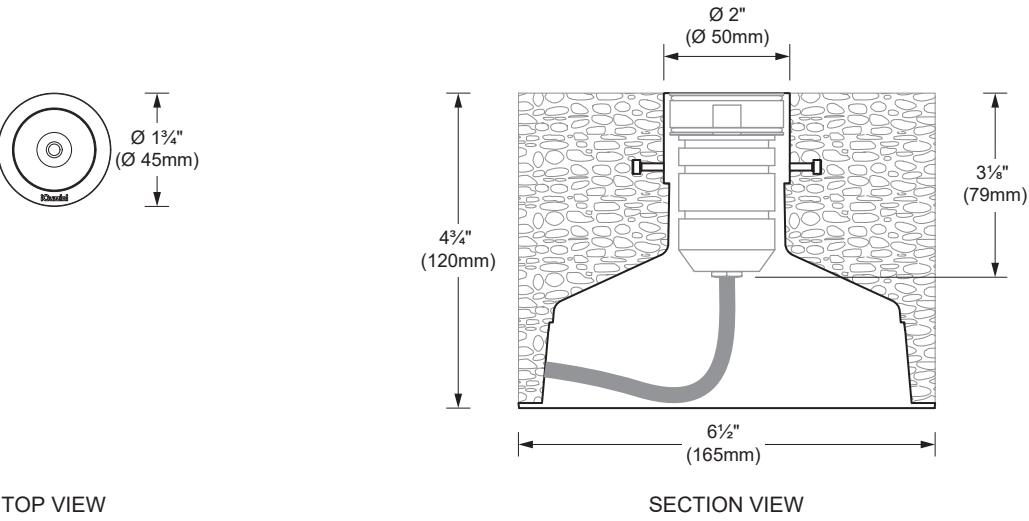
\* Optics also offered in Comfort version with honeycomb louver. See photometric information (page 7-11).

**DIMENSIONS**

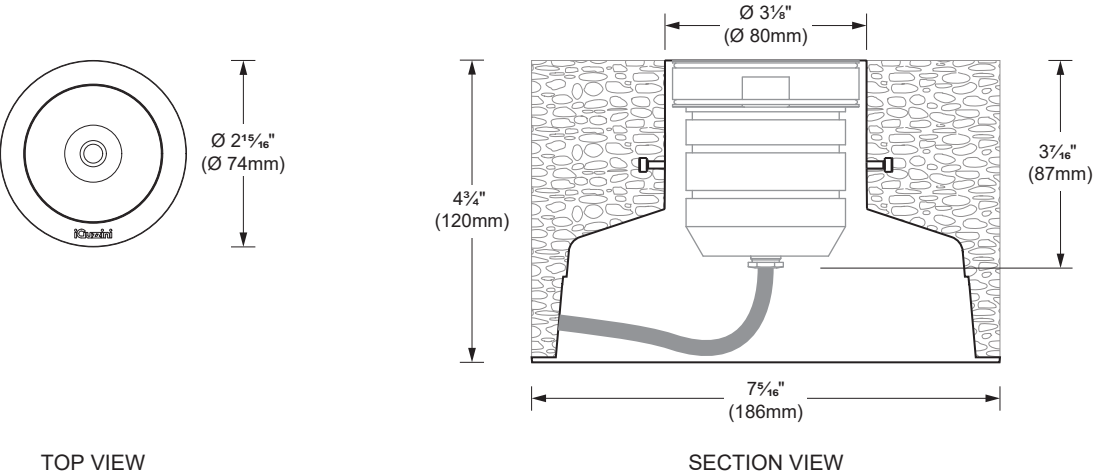
**1" (28mm)**



**2" (50mm)**



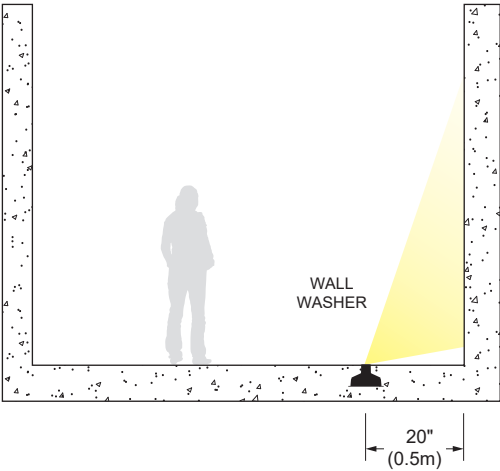
**3" (80mm)**



**WALL WASHER INSTALLATION**

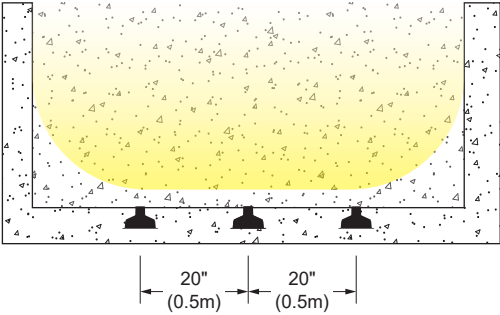
**SUGGESTED SURFACE DISTANCE**

2" (50mm) / 3" (80mm)



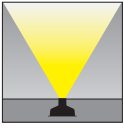
**SUGGESTED SPACING FOR UNIFORM DISTRIBUTION**

2" (50mm) / 3" (80mm)



**PHOTOMETRIC DATA**

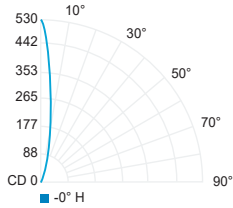
1" (28mm)



CCT (K)	CRI	OUTPUT	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
3000K	80	BO	1W	Spot 14°	53	53	522	ILUF28-BO-830-SP
				Medium 22°	56	56	352	ILUF28-BO-830-MD
				Diffuse	7	7	2	ILUF28-BO-830-DI

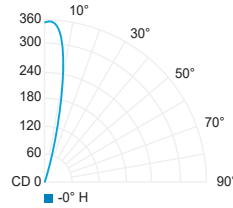
\*For products that uses a remote led driver, total system wattage will varies according to the efficacy of the remote led driver selected. For this reason, the load and efficacy values given in the table above refers to the led source only and does not include the led driver consumption.

Spot 14° BO (3000K, 80CRI)



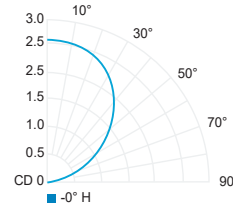
	Center beam fc	Beam width ft
12ft	3.63	2.8
10ft	5.22	2.3
8ft	8.16	1.9
6ft	14.5	1.4
4ft	32.6	0.9
2ft	131	0.5

Medium 22° BO (3000K, 80CRI)



	Center beam fc	Beam width ft
12ft	2.43	4.7
10ft	3.50	3.9
8ft	5.47	3.1
6ft	9.72	2.3
4ft	21.9	1.6
2ft	87.5	0.8

Diffuse BO (3000K, 80CRI)

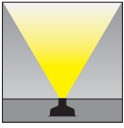


	Center beam fc	Beam width ft
12ft	0.02	33.9
10ft	0.03	28.3
8ft	0.04	22.6
6ft	0.07	17.0
4ft	0.16	11.3
2ft	0.65	5.70

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>1.13</b>

**PHOTOMETRIC DATA**

2" (50mm)



CCT (K)	CRI	OUTPUT	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
3000K	80	BO	1W	Light blade	9	9	117	ILUF50-BO-830-BL
				Spot 8°	79	79	1 765	ILUF50-BO-830-SP
				Spot comfort 8°	59	59	1 518	ILUF50-BO-830-SH
			3.8W	Medium 24°	338	88	1 660	ILUF50-BO-830-MD
				Medium comfort 24°	272	71	1 601	ILUF50-BO-830-MH
				Wide flood 40°	357	93	780	ILUF50-BO-830-WF
				Wide flood comfort 40°	240	63	585	ILUF50-BO-830-WH
			1W	Elliptical 68° / 12°	86	86	242	ILUF50-BO-830-EL
				Diffuse	17	17	6	ILUF50-BO-830-DI
				Wall washer	33	33	44	ILUF50-BO-830-WW
		MO	1.4W	Spot 8°	109	77	2 444	ILUF50-MO-830-SP
				Spot comfort 8°	82	58	2 101	ILUF50-MO-830-SH
				Elliptical 68° / 12°	119	85	335	ILUF50-MO-830-EL
				Diffuse	23	16	8	ILUF50-MO-830-DI
		HO	2W	Spot 8°	146	73	3 259	ILUF50-HO-830-SP
				Spot comfort 8°	110	55	2 802	ILUF50-HO-830-SH
				Elliptical 68° / 12°	158	79	447	ILUF50-HO-830-EL
				Diffuse	30	15	10	ILUF50-HO-830-DI

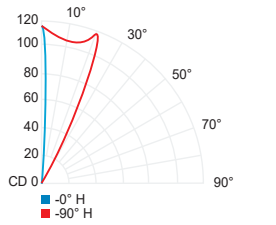
\*For products that uses a remote led driver, total system wattage will varies according to the efficacy of the remote led driver selected. For this reason, the load and efficacy values given in the table above refers to the led source only and does not include the led driver consumption.

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>1.13</b>



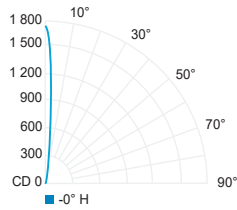
**2" (50mm)**

**Light blade BO (3000K, 80CRI)**



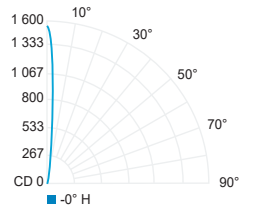
	Center beam fc	Beam width ft
12ft	0.80	1.1 11.7
10ft	1.15	0.9 9.7
8ft	1.79	0.7 7.8
6ft	3.19	0.5 5.8
4ft	7.17	0.4 3.9
2ft	28.7	0.2 1.9

**Spot 8° BO (3000K, 80CRI)**



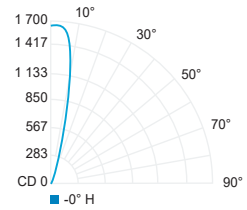
	Center beam fc	Beam width ft
12ft	12.3	1.6
10ft	17.7	1.3
8ft	27.6	1.1
6ft	49.0	0.8
4ft	110	0.5
2ft	441	0.3

**Spot comfort 8° BO (3000K, 80CRI)**



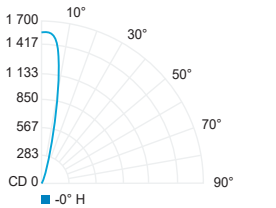
	Center beam fc	Beam width ft
12ft	10.5	1.6
10ft	15.2	1.3
8ft	23.7	1.1
6ft	42.2	0.8
4ft	94.9	0.5
2ft	380	0.3

**Medium 24° BO (3000K, 80CRI)**



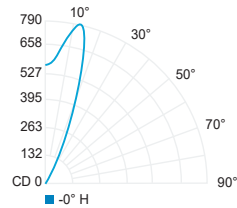
	Center beam fc	Beam width ft
12ft	11.5	5.2
10ft	16.5	4.4
8ft	25.8	3.5
6ft	45.9	2.6
4ft	103	1.7
2ft	413	0.9

**Medium comfort 24° BO (3000K, 80CRI)**



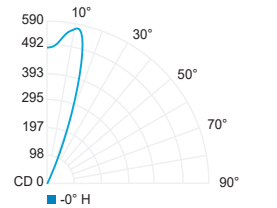
	Center beam fc	Beam width ft
12ft	11.0	4.8
10ft	15.8	4.0
8ft	24.7	3.2
6ft	43.9	2.4
4ft	98.8	1.6
2ft	395	0.8

**Wide flood 40° BO (3000K, 80CRI)**



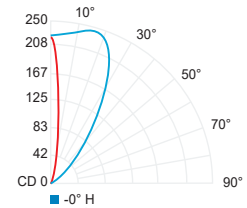
	Center beam fc	Beam width ft
12ft	3.96	8.1
10ft	5.70	6.7
8ft	8.91	5.4
6ft	15.8	4.0
4ft	35.6	2.7
2ft	143	1.3

**Wide flood comfort 40° BO (3000K, 80CRI)**



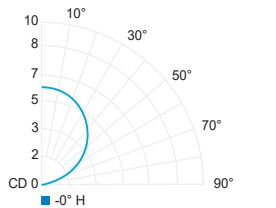
	Center beam fc	Beam width ft
12ft	3.41	7.3
10ft	4.91	6.1
8ft	7.67	4.9
6ft	13.6	3.7
4ft	30.7	2.4
2ft	123	1.2

**Elliptical 68° / 12° BO (3000K, 80CRI)**



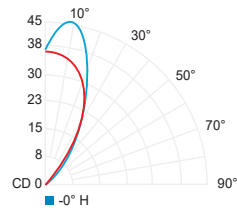
	Center beam fc	Beam width ft
12ft	1.57	16.4 2.3
10ft	2.26	13.7 1.9
8ft	3.54	10.9 1.5
6ft	6.29	8.2 1.2
4ft	14.2	5.5 0.8
2ft	56.6	2.7 0.4

**Diffuse BO (3000K, 80CRI)**



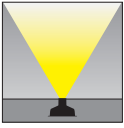
	Center beam fc	Beam width ft
12ft	0.04	35.7
10ft	0.06	29.8
8ft	0.09	23.8
6ft	0.17	17.9
4ft	0.37	11.9
2ft	1.49	6.0

**Wall washer BO (3000K, 80CRI)**



**PHOTOMETRIC DATA**

3" (80mm)



CCT (K)	CRI	OUTPUT	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
3000K	80	BO	2.9W	Light blade	31	10	897	ILUF80-BO-830-BL
			3.8W	Spot 8°	406	106	8 515	ILUF80-BO-830-SP
				Spot comfort 8°	310	81	7 533	ILUF80-BO-830-SH
				Flood 30°	379	99	1 421	ILUF80-BO-830-FL
				Flood comfort 28°	268	70	1 129	ILUF80-BO-830-FH
				Wide flood 50°	365	96	583	ILUF80-BO-830-WF
				Wide flood comfort 42°	230	60	523	ILUF80-BO-830-WH
				Elliptical 78° / 10°	393	103	1 108	ILUF80-BO-830-EL
				Diffuse	66	17	22	ILUF80-BO-830-DI
			3W	Wall washer	164	54	196	ILUF80-BO-830-WW
		MO	4.2W	Light blade	41	9	1 197	ILUF80-MO-830-BL
			5.5W	Spot 8°	541	98	11 353	ILUF80-MO-830-SP
				Spot comfort 8°	413	75	10 044	ILUF80-MO-830-SH
				Flood 30°	497	90	1 865	ILUF80-MO-830-MD
				Flood comfort 28°	352	64	1 482	ILUF80-MO-830-MH
				Wide flood 50°	357	93	766	ILUF80-MO-830-WF
				Wide flood comfort 42°	302	54	686	ILUF80-MO-830-WH
				Elliptical 78° / 10°	524	95	1 477	ILUF80-MO-830-EL
			5.4W	Diffuse	87	16	29	ILUF80-MO-830-DI
			4.2W	Wall washer	218	51	261	ILUF80-MO-830-WW

\*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.

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>1.13</b>

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