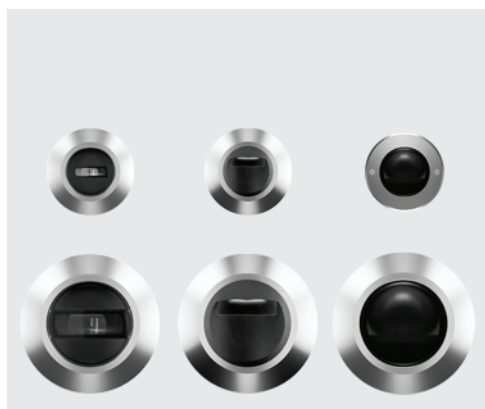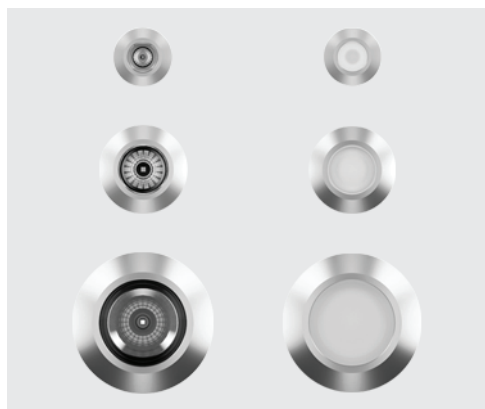# Light Up Orbit
Stainless steel

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 (fixture wattage) **Lumens:** 7lm to 531lm (for 3000K, 80CRI) **Luminaire efficacy:** Up to 99lm/W
Source:	LUXEON LED module (LM-80) 2700K: 80CRI, 3000K: 80CRI, 3500K: 80CRI, 4000K: 80CRI.
Lumen maintenance:	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)
Optics:	Spot, medium, flood, wide flood with Opti Beam technology. Wall washer, diffuse 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, 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.
Electrical:	High efficiency LED driver, rated at 50 000 hours. See remote LED driver options on page 3.
Finish:	Stainless steel
Weight:	ILUO28: 0.4lb (0.2kg) ILUO50: 1.2lb (0.5kg) ILUO80: 2.8lb (1.3kg)
Load capacity:	4 409lb (2 000kg)
Glass surface temperature:	104°F (40°C)
Operating temperature:	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)
Warranty:	5 year limited warranty
Ratings:	ILUO28: IK09, IP66, IP68* ILUO50: IK07, IP66, IP68* ILUO80: IK09, IP66, IP68* * Complete immersion for 10 minutes, not suitable for use in swimming pools or fountains.
Certification:	cULus listed for wet location.

DM - R26   Last update: March 03, 2025

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Stainless steel

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ORDERING INFO

CONFIGURE

PRODUCT CODE

MODEL	OUTPUT	LED	OPTIC	VOLTAGE	FINISH
28 1" (28mm)	**BO** Base output	**827** 2700K, 80CRI	**BL** [1][2] Light blade	**REM** Remote	**13** Stainless steel
50 2" (50mm)	**MO** [1][2] Medium output	**830** 3000K, 80CRI	**SP** [1][2][4] Spot - 28mm (12°) - 50mm (6°) - 80mm (8°)		
80 3" (80mm)	**HO** [1] High output	**835** 3500K, 80CRI	**MD** [3][4] Medium - 28mm (21°) - 50mm (24°)		
		840 4000K, 80CRI	**FL** [2] Flood - 80mm (32°)		
			WF [2][3] Wide flood - 50mm (44°) - 80mm (50°)		
			DI [1][2][4] Diffuse		
			WW [2][3] Wall washer		
			WL [2][3] Wall washer super comfort		

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.

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 ⁹⁄₁₆" or 1-⁹⁄₁₆" for floating floor boards)

☐ **X194 -** Mounting springs for panel installation for **ILUO50**
(panel thickness ¼" to ⁹⁄₁₆" or 1-⁹⁄₁₆" for floating floor boards)

☐ **X196 -** Mounting springs for panel installation for **ILUO80**
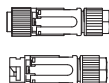(panel thickness ¼" to ⁹⁄₁₆" or 1-⁹⁄₁₆" for floating floor boards)

☐ **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

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Stainless steel

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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 BOX MODEL DESCRIPTION

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

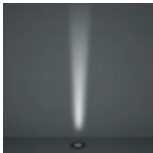*Max distance cable calculated for 16AWG cable. Contact customer service for longer remote distance.

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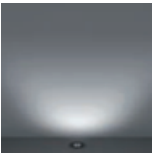(home run or fixture chain)

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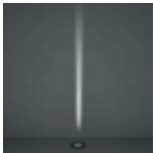
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Light Up Orbit
Stainless steel

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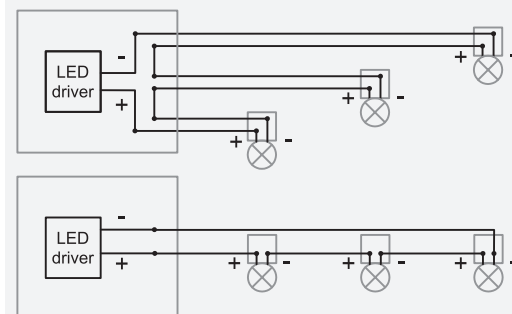
FAMILY OVERVIEW

1" (28mm)

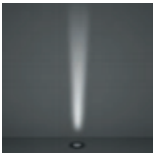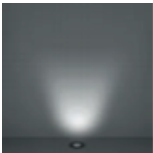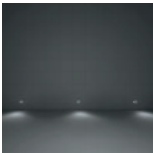| Spot (12°) | Medium (21°) | Diffuse |

2" (50mm)
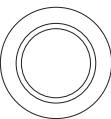
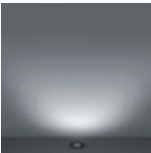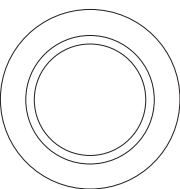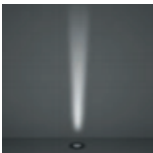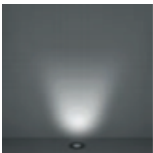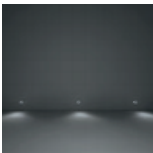| Light blade | Spot (6°) | Medium (24°) | Wide flood (44°) | Wall washer | Wall washer super comfort | Diffuse |

3" (80mm)

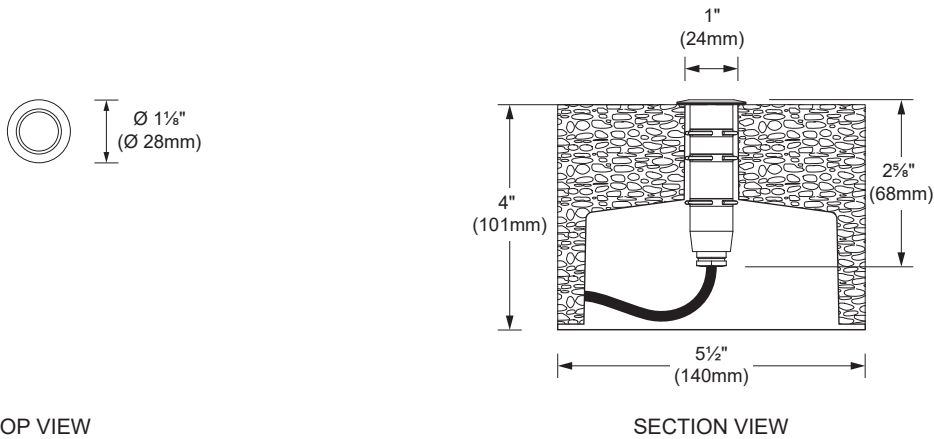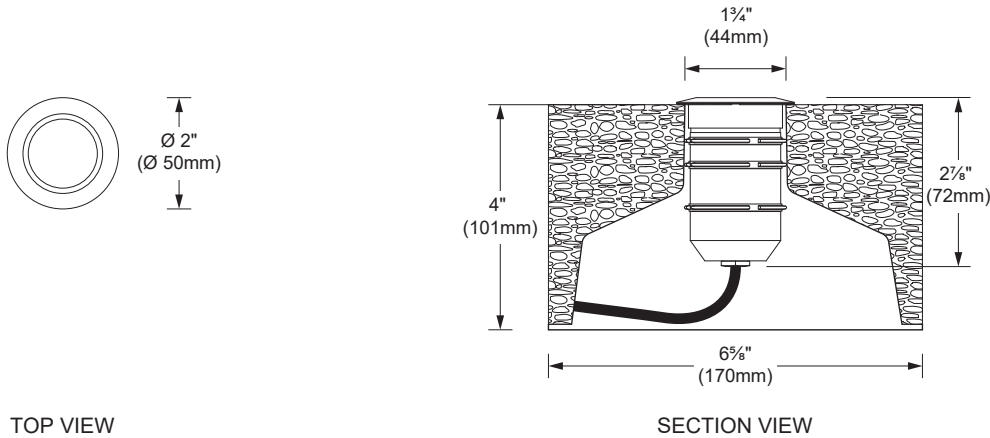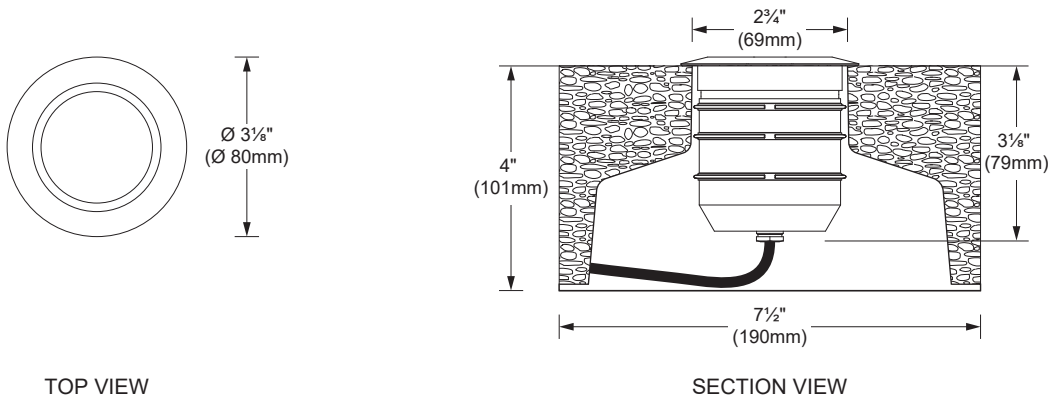| Light blade | Spot (6°) | Flood (32°) | Wide flood (50°) | Wall washer | Wall washer super comfort | Diffuse |

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Light Up Orbit
Stainless steel

DIMENSIONS

1" (28mm)

Ø 1⅛"
(Ø 28mm)

1"
(24mm)

2⅝"
(68mm)

4"
(101mm)

5½"
(140mm)

TOP VIEW   SECTION VIEW

2" (50mm)

Ø 2"
(Ø 50mm)

1¾"
(44mm)

2⅞"
(72mm)

4"
(101mm)

6⅝"
(170mm)

TOP VIEW   SECTION VIEW

3" (80mm)

Ø 3⅛"
(Ø 80mm)

2¾"
(69mm)

3⅛"
(79mm)

4"
(101mm)

7½"
(190mm)

TOP VIEW   SECTION VIEW

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Light Up Orbit
Stainless steel

Type:

Project :

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WALL WASHER INSTALLATION

SUGGESTED SURFACE DISTANCE

2" (50mm)

FLOOR
WASHER

WALL
WASHER

12"
(0.3m)

19"
(0.5m)

3" (80mm)

FLOOR
WASHER

WALL
WASHER

16"
(0.4m)

19"
(0.5m)
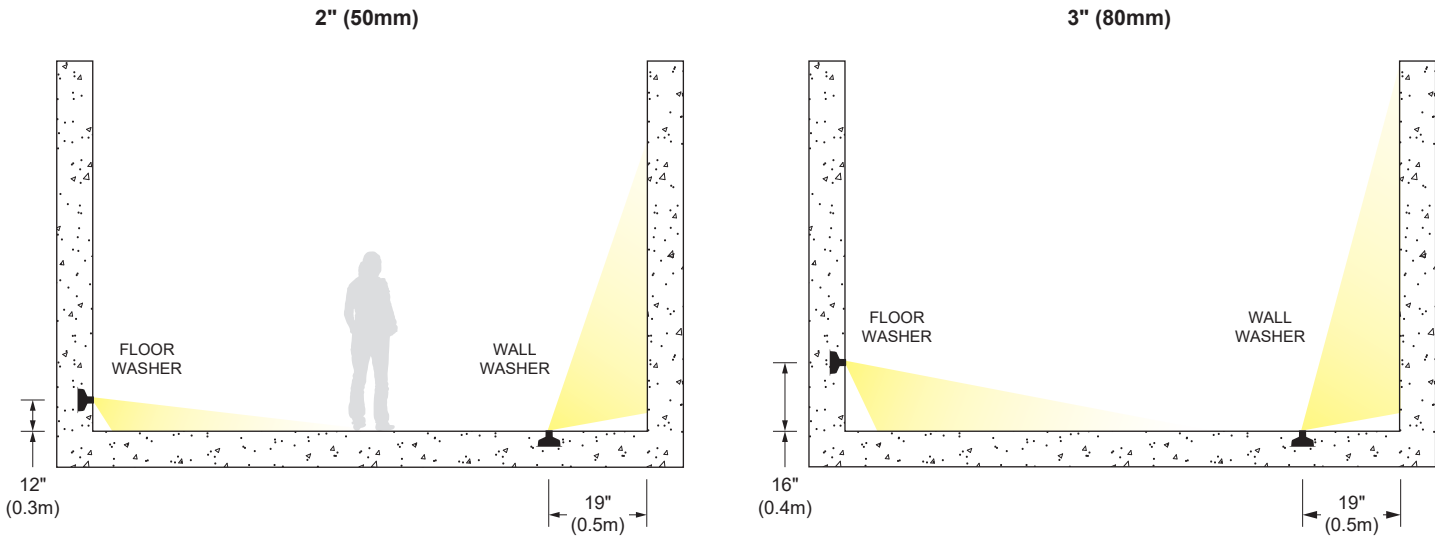
SUGGESTED SPACING FOR UNIFORM DISTRIBUTION
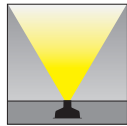
2" (50mm)

19"
(0.5m)

19"
(0.5m)

3" (80mm)

19"
(0.5m)

19"
(0.5m)

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Light Up Orbit
Stainless steel

PHOTOMETRIC DATA

1" (28mm)

Ground
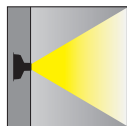
Wall
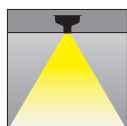
Ceiling

| 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-830SP
				Medium 21°	56	56	368	ILUO28-BO-830MD
				Diffuse	7	7	3	ILUO28-BO-830DI

*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.
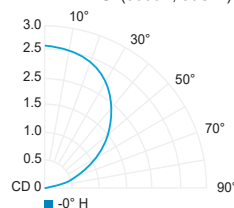
Spot 12° BO (3000K, 80CRI)
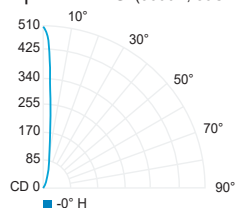
	Center beam fc	Beam width ft
12ft	3.52	2.6
10ft	5.07	2.1
8ft	7.92	1.7
6ft	14.1	1.3
4ft	31.7	0.9
2ft	127	0.4

Medium 21° BO (3000K, 80CRI)
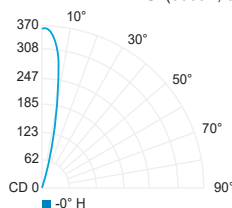
	Center beam fc	Beam width ft
12ft	2.49	4.4
10ft	3.59	3.6
8ft	5.61	2.9
6ft	9.97	2.2
4ft	22.4	1.5
2ft	89.8	0.7

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
Multiplier	**0.97**	**1**	**1.04**	**1.08**

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PHOTOMETRIC DATA

2" (50mm)
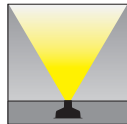
Ground
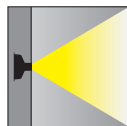
Wall
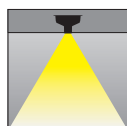
Ceiling

| 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-830BL
				Spot 6°	86	86	3 412	ILUO50-BO-830SP
			4W	Medium 24°	352	88	1 675	ILUO50-BO-830MD
				Wide flood 44°	352	88	719	ILUO50-BO-830WF
			1W	Wall washer	43	43	56	ILUO50-BO-830WW
				Wall washer SC (super comfort)	12	12	16	ILUO50-BO-830WL
				Diffuse	14	14	5	ILUO50-BO-830DI
		MO	1.5W	Spot 6°	119	79	4 724	ILUO50-MO-830SP
				Diffuse	20	13	7	ILUO50-MO-830DI
		HO	2W	Spot 6°	159	79	6 299	ILUO50-HO-830SP
				Diffuse	25	12	9	ILUO50-HO-830DI

*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.
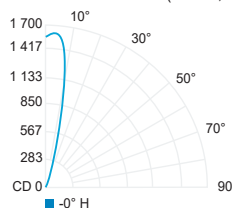
Light blade BO (3000K, 80CRI)
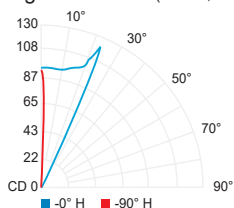
	Center beam fc	Beam width ft	
12ft	0.65	1.0	10.8
10ft	0.94	0.8	9.0
8ft	1.47	0.6	7.2
6ft	2.61	0.5	5.4
4ft	5.87	0.3	3.6
2ft	23.5	0.2	1.8

Spot 6° BO (3000K, 80CRI)
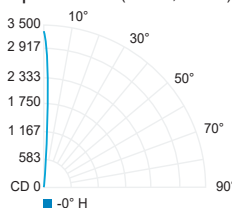
	Center beam fc	Beam width ft
12ft	23.7	1.2
10ft	34.1	1.0
8ft	53.3	0.8
6ft	94.8	0.6
4ft	213	0.4
2ft	853	0.2

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 44° BO (3000K, 80CRI)
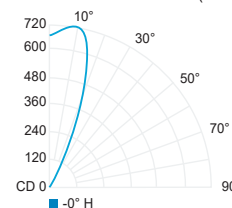
	Center beam fc	Beam width ft
12ft	4.53	9.6
10ft	6.52	8.0
8ft	10.2	6.4
6ft	18.1	4.8
4ft	40.7	3.2
2ft	163	1.6

Wall washer BO (3000K, 80CRI)
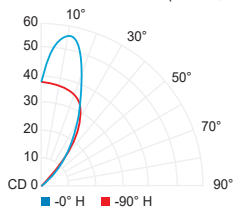
Wall washer SC BO (3000K, 80CRI)
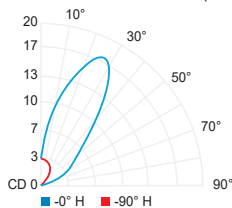
Diffuse BO (3000K, 80CRI)
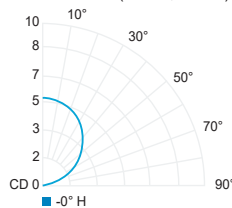
	Center beam fc	Beam width ft
12ft	0.04	32.7
10ft	0.05	27.2
8ft	0.08	21.8
6ft	0.15	16.3
4ft	0.33	10.9
2ft	1.33	5.4

CCT options	2700K	3000K	3500K	4000K
CRI options	80CRI	80CRI	80CRI	80CRI
Multiplier	**0.97**	**1**	**1.04**	**1.08**

DM - R26   Last update: March 03, 2025

Due to continuous improvements, the information herein may be changed without notice

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Light Up Orbit
Stainless steel

PHOTOMETRIC DATA

3" (80mm)
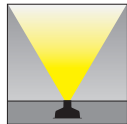
Ground
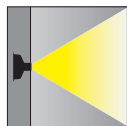
Wall

| 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-830BL
			4W	Spot 8°	398	99	8 775	ILUO80-BO-830SP
				Flood 32°	329	82	1 144	ILUO80-BO-830FL
				Wide flood 50°	385	96	738	ILUO80-BO-830WF
			3W	Wall washer	148	49	178	ILUO80-BO-830WW
				Wall washer SC (super comfort)	46	15	56	ILUO80-BO-830WL
			4W	Diffuse	47	11	17	ILUO80-BO-830DI
		MO	4.5W	Light blade	41	9	1 170	ILUO80-MO-830LB
			5.5W	Spot 8°	531	96	11 700	ILUO80-MO-830SP
				Flood 32°	440	80	1 534	ILUO80-MO-830FL
				Wide flood 50°	516	93	989	ILUO80-MO-830WF
			4.5W	Wall washer	200	47	241	ILUO80-MO-830WW
				Wall washer SC (super comfort)	62	14	74	ILUO80-MO-830WL
			5.5W	Diffuse	62	11	23	ILUO80-MO-830DI

*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.
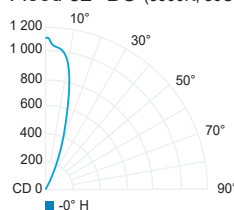
Light blade BO (3000K, 80CRI)
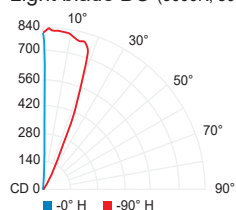
	Center beam fc	Beam width ft
12ft	5.63	1.5 / 10.0
10ft	8.11	0.4 / 8.3
8ft	12.7	0.3 / 6.7
6ft	22.5	0.3 / 5.0
4ft	50.7	0.2 / 3.3
2ft	203	0.1 / 1.7

Spot 8° BO (3000K, 80CRI)
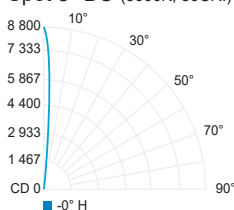
	Center beam fc	Beam width ft
12ft	60.9	1.8
10ft	87.7	1.5
8ft	137	1.2
6ft	244	0.9
4ft	548	0.6
2ft	2 194	0.3

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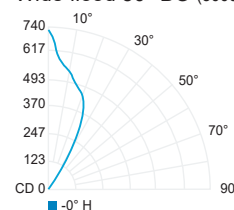
	Center beam fc	Beam width ft
12ft	5.12	11.2
10ft	7.38	9.3
8ft	11.5	7.4
6ft	20.5	5.6
4ft	46.1	3.7
2ft	184	1.9

Wall washer BO (3000K, 80CRI)
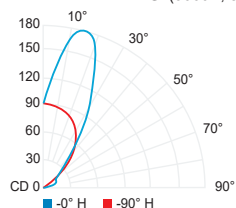
Wall washer SC BO (3000K, 80CRI)
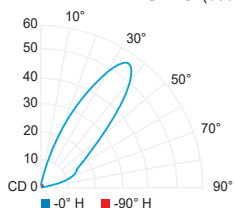
Diffuse BO (3000K, 80CRI)
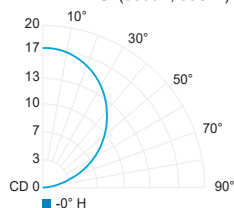
	Center beam fc	Beam width ft
12ft	0.12	34.1
10ft	0.17	28.4
8ft	0.27	22.7
6ft	0.47	17.0
4ft	1.07	11.4
2ft	4.26	5.7

CCT options	2700K	3000K	3500K	4000K
CRI options	80CRI	80CRI	80CRI	80CRI
Multiplier	**0.97**	**1**	**1.04**	**1.08**

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