

Laser blade original is a collection of recessed downlights for architectural applications. The luminaires are equipped with high performance Opti Beam optics system for low luminance downlights (UGR < 10). Laser blade original is available in 5 aperture sizes, trim or trimless, 5 distributions, generous outputs of up to 2583 lumens and excellent chromatic performance .

## NOW ASSEMBLED IN NORTH AMERICA.

### Luminaire characteristic:

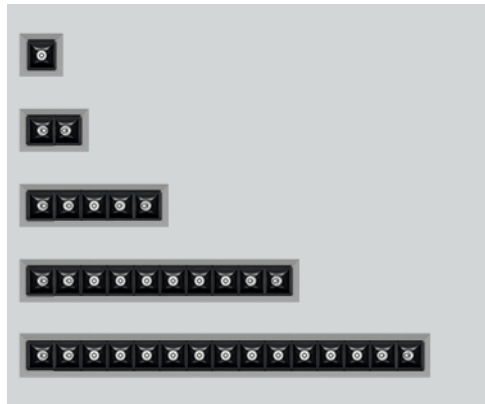
**Power input:** 2W to 29W (source wattage)  
**Lumens:** 170lm to 2542lm (for 3000K, 92CRI)  
**Luminaire efficacy:** up to 87lm/W

<b>Source:</b>	White LED module (LM-80) 2700K: 92CRI (90CRI min), 3000K: 92CRI (90CRI min), 3500K: 92CRI (90CRI min), 4000K: 92CRI (90CRI min).
<b>Lumen maintenance:</b>	90% of initial lumens at 50 000 hours (L90) (LM-79).
<b>Optics:</b>	Low luminance: Spot, flood, wide flood and general light pro optic with Opti Beam technology.
<b>Material:</b>	Body and heat sink: Die-cast aluminum Reflector and baffle: Thermoplastic
<b>Mounting:</b>	Under cabinet installation.
<b>Electrical:</b>	High efficiency LED driver, rated at 50 000 hours. See remote LED driver options on page 3.
<b>Finish:</b>	Black, white (RAL9010) and grey (RAL9006) (page 2).
<b>Weight:</b>	ILB01: 0.11lbs (0.05kg) ILB02: 0.20lbs (0.09kg) ILB05: 0.66lbs (0.30kg) ILB10: 1.32lbs (0.60kg) ILB15: 1.90lbs (0.86kg)
<b>Warranty:</b>	5 year limited warranty.
<b>Ratings:</b>	IP20, IP23 (from under the ceiling)
<b>Certification:</b>	cULus listed for damp location. Interior use only.



Energy star certified product (except ILB01/ILB02).  
To confirm which versions are certified, please consult the product list: [www.energystar.gov/productfinder](http://www.energystar.gov/productfinder)

**Assembled in North America.**



## ORDERING INFO

**ILB - TR - UC - - - REM -**  
FIXTURE

### MODEL

☐ **01** - Single ☐ **02** - Double ☐ **05** - Five ☐ **10** - Ten ☐ **15** - Fifteen

### MOUNTING

☒ **TR** - Trim

### INSTALLATION TYPE

☒ **UC** - Under cabinet

### LED

☐ **027** - 2700K, 92CRI<sup>(1)</sup> ☐ **030** - 3000K, 92CRI<sup>(1)</sup> ☐ **035** - 3500K, 92CRI<sup>(1)</sup> ☐ **040** - 4000K, 92CRI<sup>(1)</sup>

### OPTIC

☐ **SP** - Spot 12°<sup>(2)</sup> ☐ **FL** - Flood 32° ☐ **WF** - Wide flood 48°<sup>(2)</sup> ☐ **GP** - General light pro<sup>(2)</sup>

### VOLTAGE

☒ **REM** - Remote ☐ **POE** - Power over ethernet. (consult customer service)

### FINISH (trim finish / baffle finish\*)

**Black baffle** ☐ **01** - White/Black ☐ **10** - Gray/Black ☐ **02** - Black/Black  
☒ **White baffle** ☐ **31** - White/White

<sup>(1)</sup> 92CRI typical - 90CRI minimum.

<sup>(2)</sup> Available for five (**05**), ten (**10**) and fifteen (**15**) models.

\*Custom baffle finish available, contact customer service for details.

## INSTALLATION

### Under cabinet installation (UC)

Low profile installation in confined spaces, such as cabinets, shelves and closets. Not suitable for ceiling installation.  
**(Power supply is not accessible from luminaire opening)**

**Surface thickness:** 1/8" to 1 1/8" (3mm to 29mm)



Model	Cut-out dimensions	Clearance (H)
ILB01	1 3/8" x 1 3/8" (35 x 35mm)	2 1/2" (64mm)
ILB02	1 3/8" x 2 1/2" (35 x 64mm)	
ILB05	1 1/2" x 5 5/16" (37 x 141mm)	
ILB10	1 1/2" x 10 13/16" (37 x 274mm)	
ILB15	1 1/2" x 16" (37 x 406mm)	

## REMOTE LED DRIVER OPTIONS

(TO BE ORDERED SEPARATELY)

							ILB01 2W*	ILB02 3.8W*	ILB05 9.8W*	ILB10 20W*	ILB15 29W*
Watts	Voltage	Rated	Dimming protocol	Dimming range	Dimensions	Max distance**	Min-max units				
<b>4444-0700-011-UNV-ND</b>							3-4	2			
<input type="checkbox"/>											
11	120-277V	Indoor	None	None	6" x 4" x 3" (152 x 102 x 76mm)	30ft(9m)					
<b>4450-0700-012-120-LTE</b>							2-5	1-2	1		
<input type="checkbox"/>											
12	120V	Indoor	Leading and trailing edge (ELV and TRIAC)	Down to ±15%	8" x 8" x 4" (203 x 203 x 102mm)	30ft(9m)					
<b>4443-0700-014-UNV-D2</b>							5-6	3	1		
<input type="checkbox"/>											
14	120-277V	Indoor	Lutron Hi Lume® 1% EcoSystem™ (Soft-on, Fade to Black)	Down to ±1%	5" x 4" x 3" (127 x 102 x 76mm)	30ft(9m)					
<b>4444-0700-022-120-LTE</b>							4-9	2-4	1-2	1	
<input type="checkbox"/>											
22	120V	Indoor	Leading and trailing edge (ELV and TRIAC)	Down to ±15%	6" x 4" x 3" (152 x 102 x 76mm)	30ft(9m)					
<b>4443-0700-025-UNV-D2</b>							8-11	4-5	2	1	
<input type="checkbox"/>											
25	120-277V	Indoor	Lutron Hi Lume® 1% EcoSystem™ (Soft-on, Fade to Black)	Down to ±1%	5" x 4" x 3" (127 x 102 x 76mm)	30ft(9m)					
<b>4450-0700-030-UNV-SD10</b>							1-13	1-6	1-2	1	
<input type="checkbox"/>											
30	120-277V	Indoor	0-10V ELDOLED SOLOdrive	Down to ±0.1%	8" x 8" x 4" (203 x 203 x 102mm)	118ft(36m)					
<b>4443-0700-035-UNV-D2</b>							11-15	6-7	3		1
<input type="checkbox"/>											
35	120-277V	Indoor	Lutron Hi Lume® 1% EcoSystem™ (Soft-on, Fade to Black)	Down to ±1%	5" x 4" x 3" (127 x 102 x 76mm)	30ft(9m)					
<b>4445-0700-040-120-LTE</b>							13-16	6-8	3		1
<input type="checkbox"/>											
40	120V	Indoor	Leading and trailing edge (ELV and TRIAC)	Down to ±15%	6" x 6" x 3" (152 x 152 x 76mm)	30ft(9m)					
<b>4450-0700-038-UNV-ED10</b>							1-16	1-8	1-3	1	1
<input type="checkbox"/>											
38	120-277V	Indoor	0-10V ELDOLED ECOdrive	Down to ±1%	8" x 8" x 4" (203 x 203 x 102mm)	118ft(36m)					
<b>4448-0700-100-UNV-SD10 (4 channels)</b>							1-44 <sup>(1)</sup> 11/channel	1-20 <sup>(1)</sup> 5/channel	1-8 <sup>(1)</sup> 2/channel	1-4 <sup>(1)</sup> 1/channel	1-3 <sup>(1)</sup> 1/channel
<input type="checkbox"/>											
100	120-277V	Indoor	0-10V ELDOLED SOLOdrive	Down to ±0.1%	10" x 8" x 4" (254 x 203 x 102mm)	118ft(36m)					

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

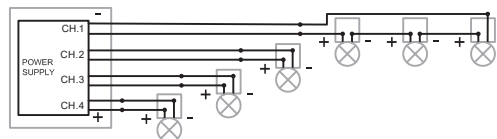
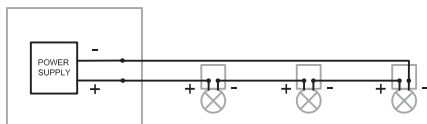
\*\* Calculated for 16AWG cable. Contact customer service for longer remote distance.

## WIRING DIAGRAMS

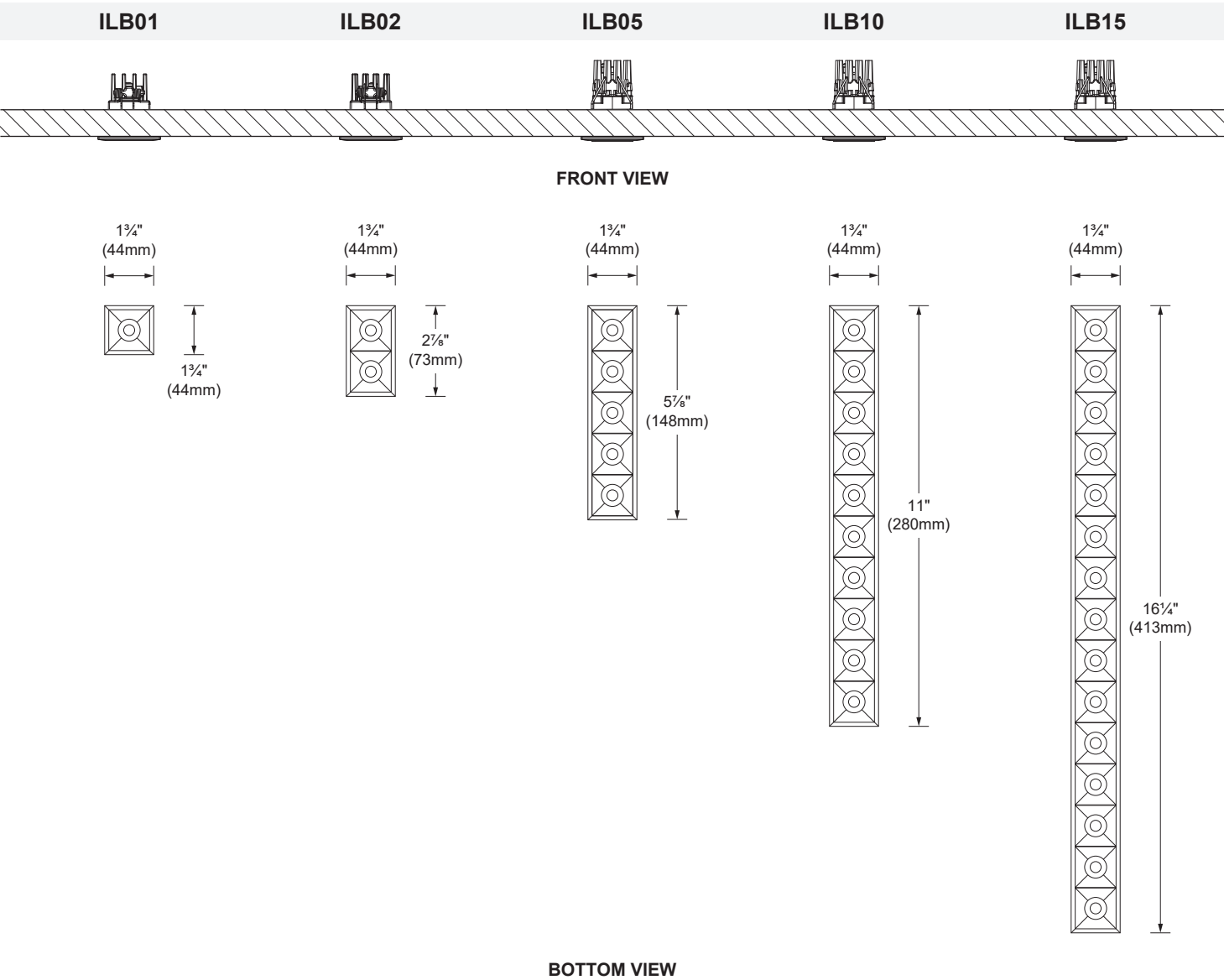
Multiple luminaires must be connected in series  
(home run or fixture chain)

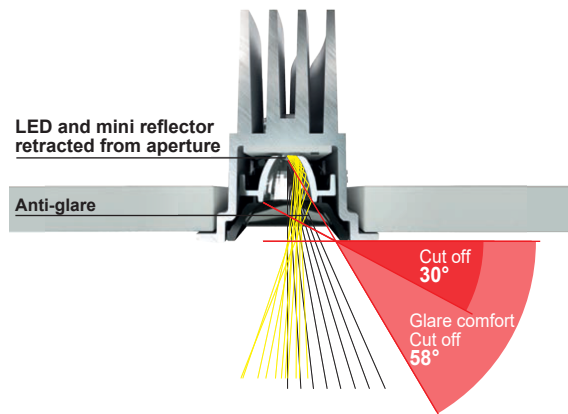
<sup>(1)</sup> Luminaires must be connected on separate channels (1-4).

Multiple luminaires can be connected in series on a channel (home run or fixture chain).  
Do not exceed the wattage and voltage range on each channel.



TRIM MODELS DIMENSIONS





Visual comfort UGR < 10.

## LED COLOR FIDELITY DATA

CRI	CCT	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	Rf	Rg	Melanopic ratio
92	2700K	92	96	98	91	91	95	91	79	55	89	92	86	93	98	88	91	100	0.488
	3000K	93	97	98	92	93	95	92	82	60	91	92	82	94	99	90	92	99	0.571
	3500K	92	95	96	92	91	93	93	83	59	87	92	79	93	97	89	92	99	0.635
	4000K	93	94	94	93	92	91	94	86	64	85	93	78	93	96	90	91	100	0.715

## PHOTOMETRIC DATA

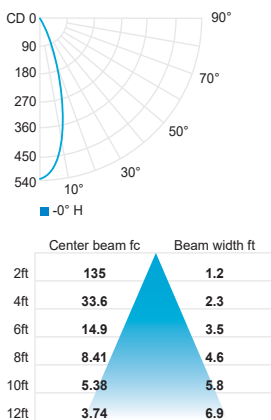
ILB01



CCT (K)	CRI	LOAD (W)*	OPTIC	LUMENS (lm)	EFFICACY (lm / W)*	MAX CANDELA (cd)	MODELS
3000K	92	2W	Flood 32°	170	85	538	ILB01-030-FL

\*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.

Flood 32° (3000K, 92CRI)



CCT options	2700K	3000K	3500K	4000K
CRI options	92CRI	92CRI	92CRI	92CRI
Multiplier	1	1	1.10	1.15

**PHOTOMETRIC DATA**

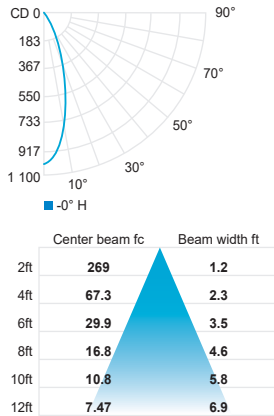
**ILB02**



CCT (K)	CRI	LOAD (W)*	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
3000K	92	3.9W	Flood 32°	340	87	1 076	ILB02-030-FL

\*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.

Flood 32° (3000K, 92CRI)



CCT options	2700K	3000K	3500K	4000K
CRI options	92CRI	92CRI	92CRI	92CRI
<b>Multiplier</b>	<b>1</b>	<b>1</b>	<b>1.10</b>	<b>1.15</b>

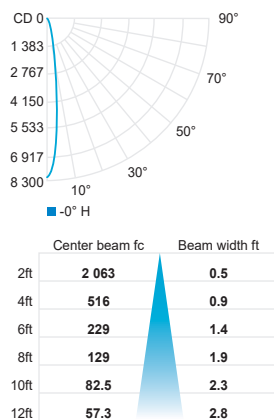
**ILB05**



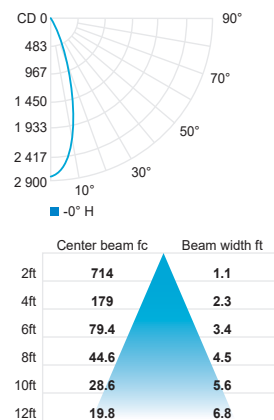
CCT (K)	CRI	LOAD (W)*	OPTIC	LUMENS (lm)	EFFICACY (lm / W)*	MAX CANDELA (cd)	MODELS
3000K	92	9.8W	Spot 13°	861	87	8 250	ILB05-030-SP
			Flood 32°	851	86	2 857	ILB05-030-FL
			Wide flood 47°	851	86	1 628	ILB05-030-WF
			General light pro	788	80	1 122	ILB05-030-GP

\*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.

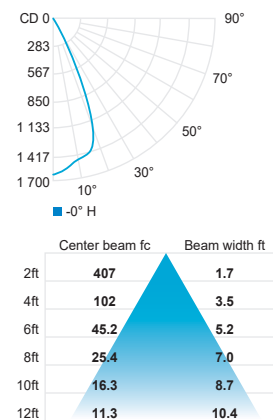
Spot 13° (3000K, 92CRI)



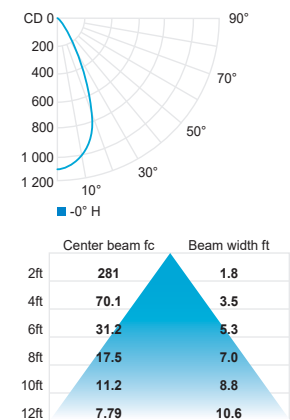
Flood 32° (3000K, 92CRI)



Wide flood 47° (3000K, 92CRI)



General light pro (3000K, 92CRI)



CCT options	2700K	3000K	3500K	4000K
CRI options	92CRI	92CRI	92CRI	92CRI
<b>Multiplier</b>	<b>0.95</b>	<b>1</b>	<b>1.05</b>	<b>1.10</b>

**PHOTOMETRIC DATA**

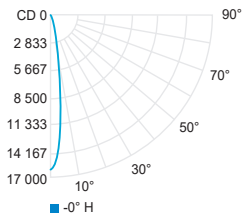
**ILB10**



CCT (K)	CRI	LOAD (W)*	OPTIC	LUMENS (lm)	EFFICACY (lm / W)*	MAX CANDELA (cd)	MODELS
3000K	92	20W	Spot 13°	1 681	84	16 108	ILB10-030-SP
			Flood 32°	1 661	83	5 578	ILB10-030-FL
			Wide flood 47°	1 661	83	3 179	ILB10-030-WF
			General light pro	1 538	76	2 191	ILB10-030-GP

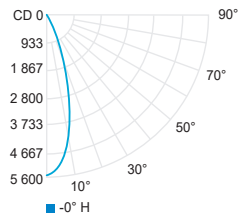
\*For products that uses a remote led driver, total system wattage will varies according to the efficacy of the remote led driver selected. For this reason, the load and efficacy values given in the table above refers to the led source only and does not include the led driver consumption.

Spot 13° (3000K, 92CRI)



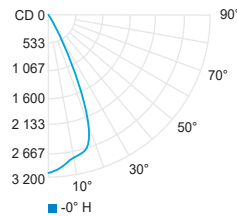
	Center beam fc	Beam width ft
2ft	4 027	0.5
4ft	1 007	0.9
6ft	447	1.4
8ft	252	1.9
10ft	161	2.3
12ft	112	2.8

Flood 32° (3000K, 92CRI)



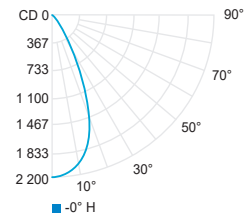
	Center beam fc	Beam width ft
2ft	1 395	1.1
4ft	349	2.3
6ft	155	3.4
8ft	87.2	4.5
10ft	55.8	5.6
12ft	38.7	6.8

Wide flood 47° (3000K, 92CRI)



	Center beam fc	Beam width ft
2ft	714	1.8
4ft	179	3.5
6ft	73.9	5.3
8ft	44.6	7.0
10ft	28.6	8.8
12ft	19.8	10.6

General light pro (3000K, 92CRI)



	Center beam fc	Beam width ft
2ft	548	1.8
4ft	137	3.5
6ft	60.9	5.3
8ft	34.2	7.0
10ft	21.9	8.8
12ft	15.2	10.6

CCT options	2700K	3000K	3500K	4000K
CRI options	92CRI	92CRI	92CRI	92CRI
Multiplier	0.95	1	1.05	1.10

**PHOTOMETRIC DATA**

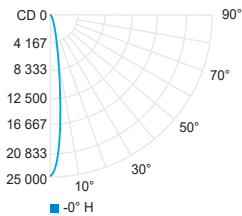
**ILB15**



CCT (K)	CRI	LOAD (W)*	OPTIC	LUMENS (lm)	EFFICACY (lm / W)*	MAX CANDELA (cd)	MODELS
3000K	92	29W	Spot 13°	2 542	87	24 358	ILB15-030-SP
			Flood 32°	2 511	86	8 435	ILB15-030-FL
			Wide flood 47°	2 511	86	4 807	ILB15-030-WF
			General light pro	2 325	80	3 314	ILB15-030-GP

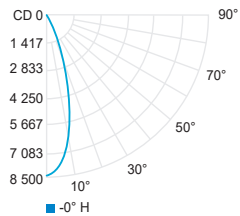
\*For products that uses a remote led driver, total system wattage will varies according to the efficacy of the remote led driver selected. For this reason, the load and efficacy values given in the table above refers to the led source only and does not include the led driver consumption.

Spot 13° (3000K, 92CRI)



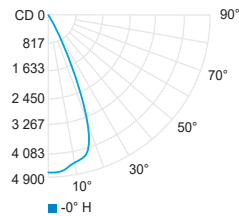
	Center beam fc	Beam width ft
2ft	6090	0.5
4ft	1 522	0.9
6ft	677	1.4
8ft	381	1.9
10ft	244	2.3
12ft	169	2.8

Flood 32° (3000K, 92CRI)



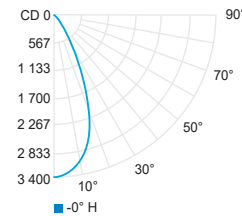
	Center beam fc	Beam width ft
2ft	2 109	1.1
4ft	527	2.3
6ft	234	3.4
8ft	132	4.5
10ft	84.4	5.6
12ft	58.6	6.8

Wide flood 47° (3000K, 92CRI)



	Center beam fc	Beam width ft
2ft	1 202	1.7
4ft	300	3.5
6ft	134	5.2
8ft	75.1	7.0
10ft	48.1	8.7
12ft	33.4	10.4

General light pro (3000K, 92CRI)



	Center beam fc	Beam width ft
2ft	829	1.8
4ft	207	3.5
6ft	92.1	5.3
8ft	51.8	7.0
10ft	33.1	8.8
12ft	23.0	10.6

CCT options	2700K	3000K	3500K	4000K
CRI options	92CRI	92CRI	92CRI	92CRI
Multiplier	0.95	1	1.03	1.08