



Collection of projectors for exterior applications. Available in 5 sizes. For urban architecture and residential area. A compact and essential design, specifically designed to facilitate installation and maintenance operations and guarantee minimal visual impact.

Luminaire characteristic:

Power input: 3.5W to 42W (system wattage)
Lumens: 40lm to 4390lm (for 3000K, 80CRI)
Luminaire efficacy: Up to 113lm/W

Source:	White LED (LM-80 tested), 3000K: 80CRI, 4000K: 80CRI.
Lumen maintenance:	80% of initial lumens at 50 000 hours (L80)
Optic:	Available in spot, medium, flood, wide flood, very wide flood, elliptical longitudinal, elliptical transversal and light blade optics.
Material:	Optical body and frame: Die-cast aluminum Reflector: Formed aluminum Lens: PMMA and thermoplastic. Protective screen: 1/8" (4mm) tempered sodium-calcium glass.
Mounting:	Ground, on wall and pole mounting system, Adjustable +95°/5° from horizontal line. Supplied with 3ft (1m) of the power cable (for small, medium and large models).
Electrical:	Integral high efficiency LED driver rated at 50 000 hours, 120-277V. Remote LED driver option available for micro model.
Dimming:	Down to 15%, 0-10V (120-277V) or leading (TRIAC) and trailing edge (ELV)(120V only). See remote options on page 3.
Finish:	Gray painted (RAL9007) or white painted (RAL9016) with a high level of weather and UV resistance. The semi-gloss finish coating is electrostatically applied, durable acrylic enamel baked at high temperatures for superior color retentive finish.
Weight:	Micro: 0.6lb (0.3kg) Mini: 1.9lb (0.9kg) Small: 6.2lb (2.8kg) Medium: 8.6lb (3.9kg) Large: 13.2lb (6.0kg)
Warranty:	5 year limited warranty.
Ratings:	IP66, IK07, IK09 with protective grille accessory.
Certification:	cULus listed for wet location.



ORDERING INFO

IIPRO - - **P** - - - - -
FIXTURE



MODEL

- ☐ **CM** - Micro ☐ **NM** - Mini ☐ **SC** - Small ☐ **MC** - Medium ☐ **LC** - Large
☐ **CO** - Micro snoot

MOUNTING

- ☒ **P** - Projector

OUTPUT

- ☐ **BO** - Base output⁽¹⁾ ☐ **HO** - High output⁽¹⁾

LED

- ☐ **830** - 3000K, 80CRI ☐ **840** - 4000K, 80 CRI

OPTIC

- ☐ **SP** - For Ipro micro
For Ipro micro snoot
For Ipro mini
For Ipro medium ☐ **MD** - For Ipro micro
For Ipro micro snoot
For Ipro small
For Ipro large ☐ **FL** - For Ipro micro
For Ipro mini
For Ipro small
For Ipro medium
For Ipro large ☐ **WF** - For Ipro small
For Ipro medium
For Ipro large ☐ **VWF** - For Ipro micro
For Ipro mini
☐ **EL** - For Ipro mini ☐ **ET** - For Ipro mini ☐ **LB** - For Ipro micro

VOLTAGE

- ☐ **UNV** - 120V-277V⁽²⁾ ☐ **REM** - Remote⁽³⁾

FINISH

- ☐ **01** - White ☐ **15** - Gray

DIMMING

- ☐ **D10** - 0-10V⁽⁴⁾ ☐ **LTE** - Leading and trailing edge (120V only)⁽⁴⁾

⁽¹⁾ Available for large (**LC**) model.

⁽²⁾ Available for mini (**NM**) small (**SM**), medium (**MC**) and large (**LC**) models.

⁽³⁾ Available for micro (**CM**) and micro snoot (**CO**) models.

⁽⁴⁾ Available for small (**SM**), medium (**MC**) and large (**LC**) models.

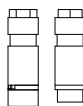
WATERPROOF IP68 FIELD CONNECTOR

INTEGRAL

- ☐ **9023-9024-KIT** - Female and male connector
for leading and trailing edge (LTE)
and no dimming.
(0.19" - 0.37" (5-9.5mm) cable, 3p 16-24 AWG conductors)



- ☐ **9029-9030-KIT** - Female and male connector
for 0-10V (D10) dimming.
(0.19" - 0.37" (5-9.5mm) cable, 5p 16-24 AWG conductors)



REMOTE

- ☐ **9015-9016-KIT** - Female and male connector.
(0.19" - 0.37" (5-9.5mm) cable, 2p 16-24 AWG conductors)



POLE Ø4" (Ø 102mm)
(To be ordered separately)

- ☐ SUPPLIED BY OTHER
CONTACT FACTORY FOR POLE SPECIFICATION
- ☐ SUPPLIED BY IGUZZINI NORTH AMERICA
CONTACT FACTORY FOR POLE SPECIFICATION

HEIGHT: _____ FT
MODEL: ☐ Straight
INSTALLATION: Anchor bolts ☐
ACCESS DOOR: Included (3' from ground)

MATERIAL: ☐ Aluminum
☐ Galvanized steel
FINISH: ☐ 15 - Gray RAL9007
Custom RAL _____

REMOTE LED DRIVER OPTION
(TO BE ORDERED SEPARATELY)

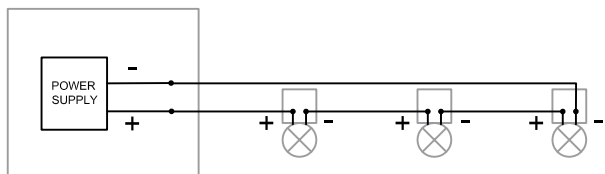
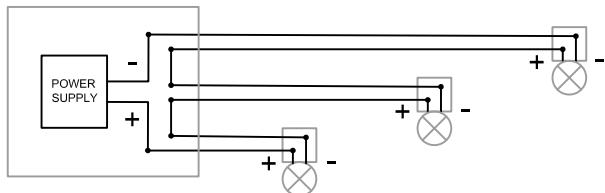
ONLY FOR IPRO MICRO : IIPRO-CM/CO-X-XXX-XX-XXX							Min-Max Units	
Watts	Voltage	Rated	Dimming protocol	Dimming range	Dimension	Max distance**	MD-FL-LB OPTIC 4.5W*	SP-WF OPTIC 3.5W*
<input type="checkbox"/> 4450-0500-027-UNV-ED10							1-6	
27	120-277V	Indoor	0-10V ELDOLED ECOdrive	Down to ±1%	8" x 8" x 4" (203 X 203X 102mm)	118ft(36m)		
<input type="checkbox"/> 4549-0500-027-UNV-ED10							1-6	
27	120-277V	Outdoor	0-10V ELDOLED ECOdrive	Down to ±1%	8" x 8" x 4" (203 x 203 x 102mm)	118ft(36m)		
<input type="checkbox"/> 4450-1050-030-UNV-ED10								1-9
30	120-277V	Indoor	0-10V ELDOLED ECOdrive	Down to ±1%	8" x 8" x 4" (203 X 203X 102mm)	118ft(36m)		
<input type="checkbox"/> 4549-1050-030-UNV-ED10								1-9
30	120-277V	Outdoor	0-10V ELDOLED ECOdrive	Down to ±1%	8" x 8" x 4" (203 x 203 x 102mm)	118ft(36m)		

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

**Calculated for 16AWG cable. Contact factory for longer remote distance.

WIRING DIAGRAMS

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



POLE-MOUNTED ACCESSORIES (TO BE ORDERED SEPARATELY)

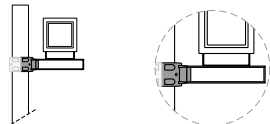
Available for only large size. For installation consult instruction sheet.

- ☐ 01 - White ☐ 15 - Gray

INSTALLATION ON POLES WITH ARMS

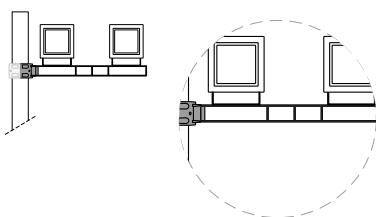
	Lenght	Pole ø
Arm for 1/2 floodlights	1' 3" ¾ (390mm)	4" (102mm)

☐ I6116



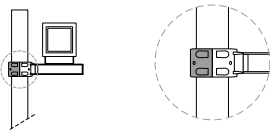
	Lenght	Pole ø
Arm for 2/4 floodlights	2' 6" ¼ (785mm)	4" (102mm)

☐ I6117



	Lenght	Pole ø
Counter flange	6" ¼ (160mm)	4" (102mm)

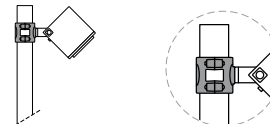
☐ I6118



INSTALLATION ON POLES WITH FLANGES

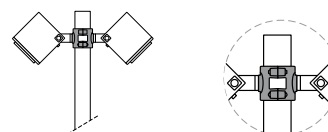
	Pole ø
Flange for 1 floodlight	4" (102mm)

☐ I6111



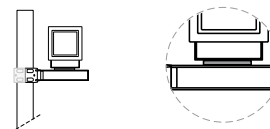
	Pole ø
Flange for 2 floodlights	4" (102mm)

☐ I6112



Adapter disk for I6116 and I6117
Need one for each fixture

☐ I6119



SURFACE MOUNTING ACCESSORIES (TO BE ORDERED SEPARATELY)

FIXED SPIKE FOR GROUND / GARDEN APPLICATIONS:

- ☐ IX271 - For Ipro projector mini model
14" (355mm)
- ☐ IB989 - For Ipro projector small model
14" (355mm)
- ☐ IX272 - For Ipro projector medium model
14" (355mm)



ORIENTABLE SPIKE FOR GROUND / GARDEN APPLICATIONS:

- ☐ IBZ60 - For Ipro projector mini, small
and medium models.
14" (355mm)



ADJUSTABLE L-SHAPED BRACKET FOR VERTICAL INSTALLATION:

- ☐ IBZ62-15 - For Ipro projector small model, gray
□ 7 7/8" (192mm)
- ☐ IBZ76-15 - For Ipro projector medium model, gray
□ 7 7/8" (192mm)
- ☐ IBZ91-15 - For Ipro projector large model gray
□ 7 7/8" (192mm)



TREE-MOUNTING:

Available for medium and large size.
For installation consult instruction sheet.

- ☐ IBZ61 - Belt for attaching to branches








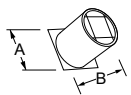

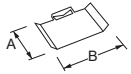
MULTIPLE SUPPORT (WHITE OR GRAY):

Available for medium and large size.
For installation consult instruction sheet.

- ☐ I6014 - For 2 floodlights
- ☐ I6015 - For 3 floodlights

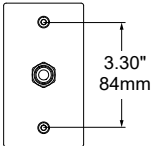
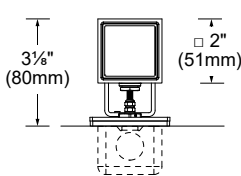


ACCESSORIES (TO BE ORDERED SEPARATELY)
For the installation consult the instruction sheet.

ACCESSORIES			SC - SMALL □ 5 1/4" (132mm)	MC - MEDIUM □ 6 1/8" (155mm)	LC - LARGE □ 7 7/8" (192mm)
 SC - SMALL □ 5 1/4" (132mm) □ IBZ49-XX MC - MEDIUM □ 6 1/8" (155mm) □ IBZ63-XX LC - LARGE □ 7 7/8" (192mm) □ IBZ77-XX 01 White finish □ 15 Gray finish □	Refractor for elliptical distribution 	MAX 2 ACC.	IBZ53 □	IBZ67 □	IBZ80 □
	Diffuser glass 		IBZ51 □	IBZ65 □	IBZ79 □
	Prismatic diffuser glass 		IBZ52 □	IBZ66 □	I1154 □
	Protective grid (stainless steel) 	MAX 1 ACC.	IBZ56 □	IBZ71 □	IBZ85 □
	Cylindrical screen 		IBZ57-01 (white/black) □ IBZ57-15 (gray/black) □ A: 4 1/8" (105mm) B: 4" (102mm)	IBZ72-01 (white/black) □ IBZ72-15 (gray/black) □ A: 4 3/4" (121mm) B: 5 1/8" (130mm)	IBZ86-01 (white/black) □ IBZ86-15 (gray/black) □ A: 6 1/4" (159mm) B: 6 1/2" (165mm)
	Visor (black) 		IBZ59 □ A: 3" (77mm) B: 4" (101mm)	IBZ74 □ A: 3" (77mm) B: 4" (101mm)	IBZ88 □ A: 3 9/16" (91mm) B: 4 1/8" (117mm)
	Directional flap (black) 	MAX 4 ACC.	IBZ58 □ A: 3 1/4" (83mm) B: 4" (102mm)	IBZ73 □ A: 3 3/4" (95mm) B: 5 1/8" (137mm)	IBZ87 □ A: 4 1/8" (117mm) B: 6 1/8" (168mm)

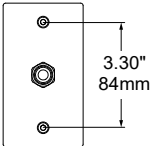
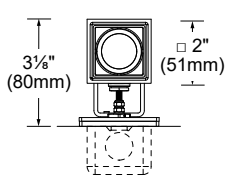
DIMENSIONS

CM - Micro
□ 2" (51mm)



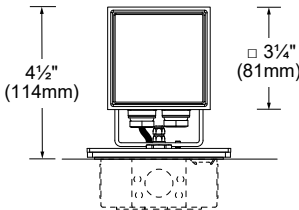
Mounting adapter plate for 2" single gang junction box installation.

CO - Micro snoot
□ 2" (51mm)



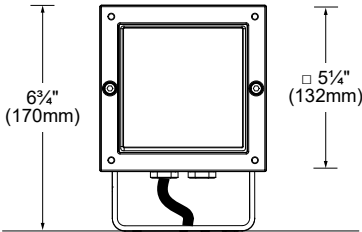
Mounting adapter plate for 2" single gang junction box installation.

NM - Mini
□ 3 1/4" (81mm)

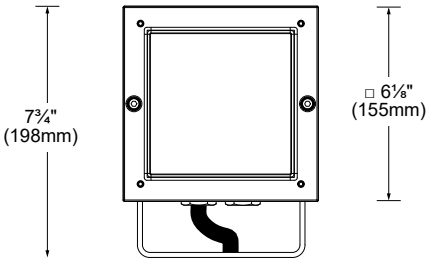


Mounting adapter plate for standard 4" octagonal junction box installation.

SC - Small
□ 5 1/4" (132mm)

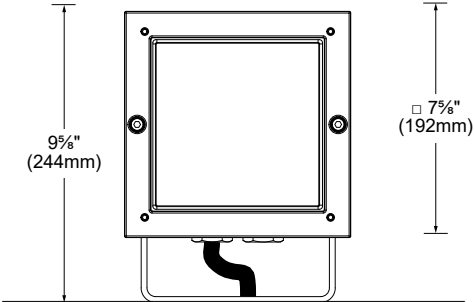


MC - Medium
□ 6 1/8" (155mm)



FRONT VIEW

LC - Large
□ 7 5/8" (192mm)



FRONT VIEW

PHOTOMETRIC DATA

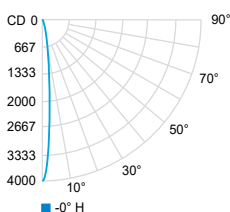
Visit iguzzini.com/us for complete photometric data.

CM - Micro
□ 2" (51mm)



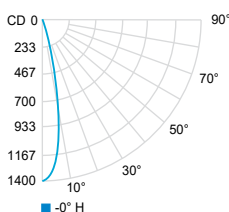
CCT (K)	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / w)	MAX CANDELA (cd)	MODELS
3000K	80	3.5W	Spot 10°	240	68	3 920	IIPRO-CM-P-830-SP-REM
		4.5W	Medium 22°	385	85	1 360	IIPRO-CM-P-830-MD-REM
		4.5W	Flood 34°	345	76	670	IIPRO-CM-P-830-FL-REM
		3.5W	Very wide flood 85°	195	55	125	IIPRO-CM-P-830-VWF-REM
		4.5W	Light blade 4° x 46°	40	8	680	IIPRO-CM-P-830-LB-REM
4000K	80	3.5W	Spot 10°	240	68	3 920	IIPRO-CM-P-840-SP-REM
		4.5W	Medium 22°	385	85	1 360	IIPRO-CM-P-840-MD-REM
		4.5W	Flood 34°	345	76	670	IIPRO-CM-P-840-FL-REM
		3.5W	Very wide flood 85°	195	55	125	IIPRO-CM-P-840-VWF-REM
		4.5W	Light blade 4° x 46°	40	8	680	IIPRO-CM-P-840-LB-REM

Spot 10° (3000K, 80 CRI)



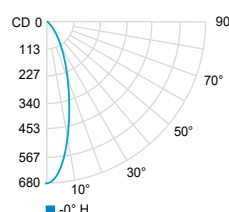
	Center Beam fc	Beam Width ft
2ft	980	0.4
4ft	245	0.8
6ft	109	1.1
8ft	61.3	1.5
10ft	39.2	1.9
12ft	27.2	2.3

Medium 22° (3000K, 80 CRI)



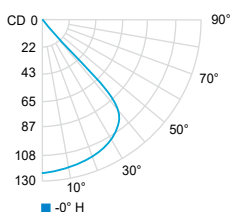
	Center Beam fc	Beam Width ft
2ft	341	0.8
4ft	85.2	1.6
6ft	37.9	2.4
8ft	21.3	3.2
10ft	13.6	3.9
12ft	9.47	4.7

Flood 34° (3000K, 80 CRI)



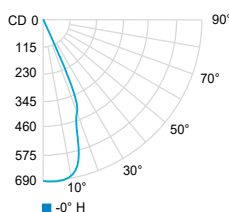
	Center Beam fc	Beam Width ft
2ft	168	1.2
4ft	42.0	2.4
6ft	18.6	3.6
8ft	10.5	4.9
10ft	6.71	6.1
12ft	4.66	7.3

Very wide flood 85° (3000K, 80 CRI)



	Center Beam fc	Beam Width ft
2ft	30.6	3.7
4ft	7.64	7.4
6ft	3.39	11.1
8ft	1.91	14.7
10ft	1.22	18.4
12ft	0.85	22.1

Light blade 4° x 46° (3000K, 80 CRI)

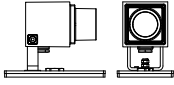


	Center Beam fc	Beam Width ft
2ft	171	1.7
4ft	42.6	3.4
6ft	19.0	5.2
8ft	10.7	6.9
10ft	6.82	8.6
12ft	4.74	10.3

PHOTOMETRIC DATA

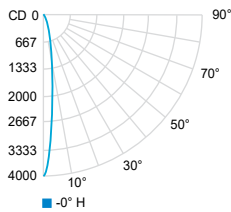
Visit iguzzini.com/us for complete photometric data.

CO - Micro snoot
□ 2"
(51mm)



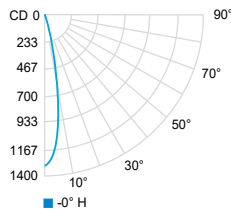
CCT (K)	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / w)	MAX CANDELA (cd)	MODELS
3000K	80	3.5W	Spot 10°	215	61	3 960	IIPRO-CO-P-830-SP-REM
		4.5W	Medium 20°	215	47	1 305	IIPRO-CO-P-830-MD-REM
4000K		3.5W	Spot 10°	215	61	3 960	IIPRO-CO-P-840-SP-REM
		4.5W	Medium 20°	215	47	1 305	IIPRO-CO-P-840-MD-REM

Spot 10° (3000K, 80 CRI)



	Center Beam fc	Beam Width ft
2ft	991	0.4
4ft	248	0.7
6ft	110	1.1
8ft	61.9	1.5
10ft	39.6	1.8
12ft	27.5	2.2

Medium 20° (3000K, 80 CRI)



	Center Beam fc	Beam Width ft
2ft	327	0.7
4ft	81.8	1.4
6ft	36.3	2.1
8ft	20.4	2.8
10ft	13.1	3.5
12ft	9.08	4.2

PHOTOMETRIC DATA

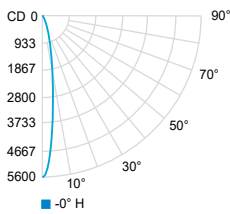
Visit iguzzini.com/us for complete photometric data.

NM - Mini
□ 3¼"
(81mm)



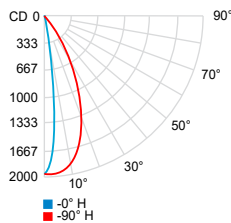
CCT (K)	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / w)	MAX CANDELA (cd)	MODELS
3000K	80	7.7W	Spot 13°	595	66	5 585	IIPRO-NM-P-830-SP
			Elliptical vertical. 49°	550	61	1 930	IIPRO-NM-P-830-ET
			Elliptical horizon. 49°	550	61	1 930	IIPRO-NM-P-830-EL
			Flood 31°	490	54	1 440	IIPRO-NM-P-830-FL
			Very wide flood 78°	435	48	260	IIPRO-NM-P-830-VWF
4000K			Spot 13°	595	66	5 585	IIPRO-NM-P-840-SP
			Elliptical vertical. 49°	550	61	1 930	IIPRO-NM-P-840-ET
			Elliptical horizon. 49°	550	61	1 930	IIPRO-NM-P-840-EL
			Flood 31°	490	54	1 440	IIPRO-NM-P-840-FL
			Very wide flood 78°	435	48	260	IIPRO-NM-P-840-VWF

Spot 13° (3000K, 80 CRI)



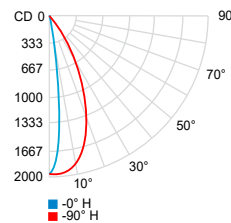
	Center Beam fc	Beam Width ft
2ft	1397	0.5
4ft	349	1.0
6ft	155	1.5
8ft	87.3	1.9
10ft	55.9	2.4
12ft	38.8	2.9

Elliptical vertical (ET) 49° (3000K, 80 CRI)

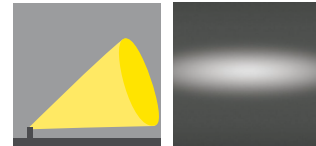
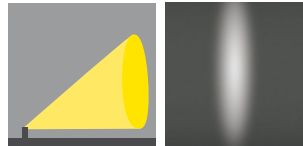


	Center Beam fc	Beam Width ft
2ft	482	0.5 1.8
4ft	121	1.1 3.6
6ft	53.6	1.6 5.5
8ft	30.1	2.2 7.3
10ft	19.3	2.7 9.1
12ft	13.4	3.3 10.9

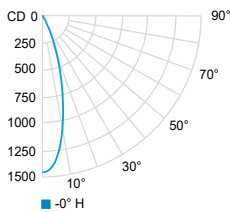
Elliptical horizontal (EL) 49° (3000K, 80 CRI)



	Center Beam fc	Beam Width ft
2ft	482	0.5 1.8
4ft	121	1.1 3.6
6ft	53.6	1.6 5.5
8ft	30.1	2.2 7.3
10ft	19.3	2.7 9.1
12ft	13.4	3.3 10.9

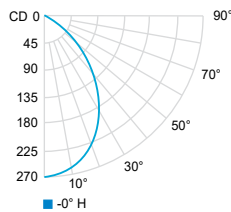


Flood 31° (3000K, 80 CRI)



	Center Beam fc	Beam Width ft
2ft	360	1.1
4ft	90.1	2.2
6ft	40.0	3.4
8ft	22.5	4.5
10ft	14.4	5.6
12ft	10.0	6.7

Very wide flood 78° (3000K, 80 CRI)

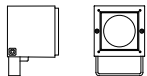


	Center Beam fc	Beam Width ft
2ft	65.6	3.2
4ft	16.4	6.5
6ft	7.29	9.7
8ft	4.10	13.0
10ft	2.63	16.2
12ft	1.82	19.4

PHOTOMETRIC DATA

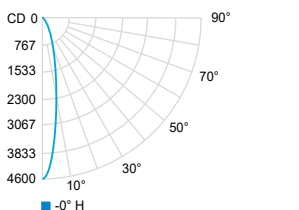
Visit iguzzini.com/us for complete photometric data.

SC - Small □ 5 1/4" (132mm)



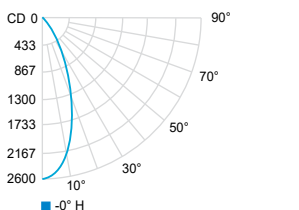
CCT (K)	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / w)	MAX CANDELA (cd)	MODELS
3000K	80	14W	Medium 19°	1 180	84	4 550	IIPRO-SC-P-830-MD
			Flood 41°	1 345	96	2 550	IIPRO-SC-P-830-FL
			Wide flood 50°	1 345	96	1 995	IIPRO-SC-P-830-WF
4000K			Medium 19°	1 215	89	4 680	IIPRO-SC-P-840-MD
			Flood 41°	1 385	98	2 620	IIPRO-SC-P-840-FL
			Wide flood 50°	1 385	98	2 050	IIPRO-SC-P-840-WF

Medium 19° (3000K, 80 CRI)



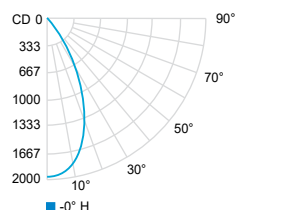
	Center Beam fc	Beam Width ft
2ft	1139	0.7
4ft	285	1.4
6ft	127	2.1
8ft	71.2	2.8
10ft	45.6	3.5
12ft	31.6	4.2

Flood 41° (3000K, 80 CRI)



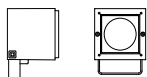
	Center Beam fc	Beam Width ft
2ft	638	1.5
4ft	159	3.0
6ft	70.9	4.5
8ft	39.9	6.0
10ft	25.5	7.5
12ft	17.7	9.0

Wide flood 50° (3000K, 80 CRI)



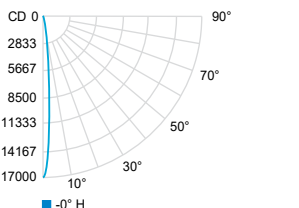
	Center Beam fc	Beam Width ft
2ft	498	1.9
4ft	124	3.8
6ft	55.3	5.7
8ft	31.1	7.6
10ft	19.9	9.5
12ft	13.8	11.4

MC - Medium □ 6 1/8" (155mm)



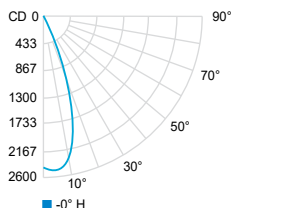
CCT (K)	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / w)	MAX CANDELA (cd)	MODELS
3000K	80	20W	Spot 11°	1 440	72	16 170	IIPRO-MC-P-830-SP
		19.5W	Flood 36°	1 710	87	4 205	IIPRO-MC-P-830-FL
			Wide flood 48°	1 840	94	3 180	IIPRO-MC-P-830-WF
4000K		20W	Spot 11°	1 470	73	16 500	IIPRO-MC-P-840-SP
		19.5W	Flood 36°	1 775	91	4 370	IIPRO-MC-P-840-FL
			Wild flood 48°	1 910	98	3 300	IIPRO-MC-P-840-WF

Spot 11° (3000K, 80 CRI)



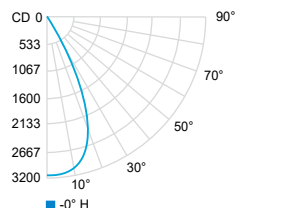
	Center Beam fc	Beam Width ft
2ft	4043	0.4
4ft	1011	0.8
6ft	449	1.2
8ft	253	1.6
10ft	162	2.1
12ft	112	2.5

Flood 36° (3000K, 80 CRI)



	Center Beam fc	Beam Width ft
2ft	1036	1.3
4ft	253	2.6
6ft	115	4.0
8ft	64.8	5.3
10ft	41.5	6.6
12ft	28.8	7.9

Wide flood 48° (3000K, 80 CRI)

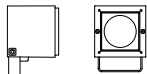


	Center Beam fc	Beam Width ft
2ft	793	1.8
4ft	198	3.6
6ft	88.1	5.4
8ft	49.6	7.2
10ft	31.7	9.0
12ft	22.0	10.8

PHOTOMETRIC DATA

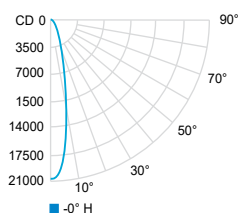
Visit iguzzini.com/us for complete photometric data.

LC - Large
□ 7⁵/₈"
(192mm)



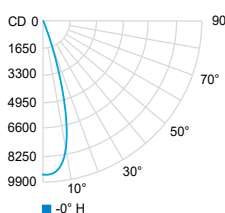
CCT (K)	CRI	OUTPUT	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / w)	MAX CANDELA (cd)	MODELS
3000K	80	BO	27.5W	Medium 16°	3 035	110	20 750	IIPRO-LC-P-BO-830-MD
				Flood 31°	3 030	110	9 855	IIPRO-LC-P-BO-830-FL
				Wide flood 46°	3 035	110	5 500	IIPRO-LC-P-BO-830-WF
4000K				Medium 16°	3 115	113	21 295	IIPRO-LC-P-BO-840-MD
				Flood 31°	3 110	113	10 115	IIPRO-LC-P-BO-840-FL
				Wide flood 46°	3 115	113	5 645	IIPRO-LC-P-BO-840-WF
3000K	80	HO	42W	Medium 16°	4 310	102	30 205	IIPRO-LC-P-HO-830-MD
				Flood 31°	4 305	102	14 055	IIPRO-LC-P-HO-830-FL
				Wide flood 46°	4 310	102	7 800	IIPRO-LC-P-HO-830-WF
4000K				Medium 16°	4 390	104	30 765	IIPRO-LC-P-HO-840-MD
				Flood 31°	4 385	104	14 315	IIPRO-LC-P-HO-840-FL
				Wide flood 46°	4 390	104	7 945	IIPRO-LC-P-HO-840-WF

Medium 16° BO (3000K, 80 CRI)



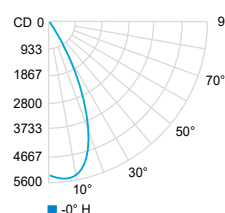
	Center Beam fc	Beam Width ft
2ft	5188	0.6
4ft	1297	1.2
6ft	576	1.8
8ft	324	2.4
10ft	208	3.0
12ft	144	3.6

Flood 31° BO (3000K, 80 CRI)



	Center Beam fc	Beam Width ft
2ft	2465	1.1
4ft	616	2.2
6ft	274	3.4
8ft	154	4.5
10ft	98.6	5.6
12ft	68.5	6.7

Wide flood 46° BO (3000K, 80 CRI)



	Center Beam fc	Beam Width ft
2ft	1336	1.7
4ft	334	3.4
6ft	148	5.2
8ft	83.5	6.9
10ft	53.4	8.6
12ft	37.1	10.3