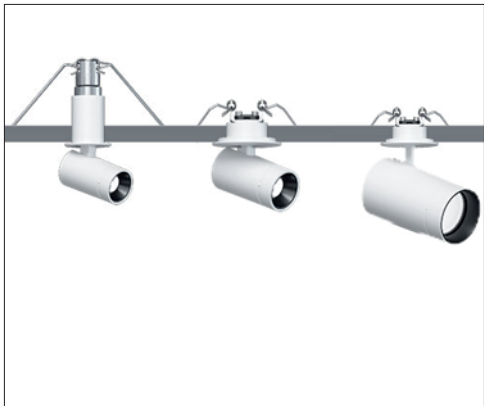




Professional directional luminaire for commercial and residential applications. The miniature low voltage heads are designed for ceiling or wall application (with remote LED driver). PALCO pleasing aesthetic deliver precise beam distribution with a miniaturized optical technology. The Optibeam technology delivers professional grade distributions with uniform color consistency, precise beam definition and effective cut off to reduce glare. Wide range of distributions including spot, medium and wide flood. Ideal for application in exhibition spaces, retail, hospitality and residences.

Luminaire characteristics:

Power input: 4W, 8W or 14W
Lumens: 132lm to 1008lm (for 3000K, 90CRI)
Luminaire efficacy: Up to 72lm/W

Source:	White LED (LM-80) 2700K: 90CRI, 3000K: 90CRI, 3500K: 90CRI, 4000K: 90CRI,
Lumen maintenance:	80% of initial lumens at 50 000 hours (L80).
Optics:	Spot, medium and wide flood. 355° vertical (pan), and 90° horizontal (tilt) pivoting axes. High level of visual comfort.
Material:	Body: Die-cast zamak for size Ø19mm, die-cast aluminum for size Ø37mm and Ø51mm.
Mounting:	Surface: Fixing plate and cover base. Recessed: Exposed plate with steel wire springs.
Electrical:	High efficiency LED driver, rated at 50 000 hours. See remote LED driver options on page 3 to 5.
Finish:	White RAL9010 or black painted finish.
Weight:	Surface: Ø19mm: 0.13lbs (0.06kg) Ø37mm: 0.24lbs (0.11kg) Ø51mm: 0.64lbs (0.29kg) Recessed: Ø19mm: 0.13lbs (0.06kg) Ø37mm: 0.26lbs (0.12kg) Ø51mm: 0.66lbs (0.30kg)
Warranty:	5 year limited warranty.
Ratings:	IP20
Certification:	 cULus listed for dry location.

ORDERING INFO

IPLC-LV 1 - - - - **- REM -**
FIXTURE



INSTALLATION

☒ **1** - Single

MOUNTING

☐ **S** - Surface ☐ **M** - Recessed

MODEL

☐ **19** - Palco Ø 19mm (¾") ☐ **37** - Palco Ø 37mm (1½") ☐ **51** - Palco Ø 51mm (2")

LED

☐ **927** - 2700K, 90CRI ☐ **930** - 3000K, 90CRI ☐ **935** - 3500K, 90CRI ☐ **940** - 4000K, 90CRI

OPTIC

PALCO Ø 19mm (¾")

☐ **MD** - Medium 24°

PALCO Ø 37mm (1½")

☐ **SP** - Spot 16°

☐ **WF** - Wide Flood 44°

PALCO Ø 51mm (2")

☐ **SP** - Spot 12°

☐ **WF** - Wide Flood 42°

VOLTAGE

☒ **REM** - Remote

FINISH

☐ **01** - White ☐ **02** - Black

ACCESSORIES (TO BE ORDERED SEPARATELY)

☐ **IMZ47-24** - Elliptical lens for Palco Ø 37mm (1½")

☐ **IMZ50-24** - Elliptical lens for Palco Ø 51mm (2")



☐ **IMZ43-02** - Black honeycomb louver for Palco Ø 37mm (1½")

☐ **IMZ45-02** - Black honeycomb louver for Palco Ø 51mm (2")



☐ **IMZ49-02** - Black spill-ring louver for Palco Ø 37mm (1½")

☐ **IMZ52-02** - Black spill-ring louver for Palco Ø 51mm (2")



☐ **IMZ48-02** - Black cylindrical screen for Palco Ø 37mm (1½")

☐ **IMZ51-02** - Black cylindrical screen for Palco Ø 51mm (2")



REMOTE LED DRIVER OPTIONS (TO BE ORDERED SEPARATELY)

FOR PALCO Ø 19MM (¾") • 2W* • 700mA

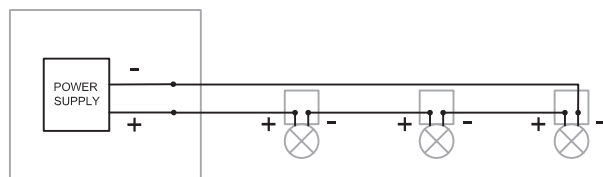
Min-max units	Watts	Voltage	Dimming protocol	Dimming range	Connection box dimensions	Max distance**	Connection box
1	04	120V	Leading and trailing edge (ELV and TRIAC)	Down to ±15%	6" x 4" x 3" (152 x 102 x 76mm)	30ft (9m)	4444-0700-004-120-LTE ☐
2-3	07	120-277V	0-10V	Down to ±10%	6" x 4" x 3" (152 x 102 x 76mm)	30ft (9m)	4444-0700-007-UNV-D10 ☐
1-4	10	120-277V	0-10V ELDOLED ECOdrive	Down to ±1%	8" x 8" x 4" (203 x 203 x 102mm)	118ft (36m)	4450-0700-010-UNV-ED10 ☐
1-4	10	120-277V	0-10V ELDOLED SOLOdrive	Down to ±0.1%	8" x 8" x 4" (203 x 203 x 102mm)	118ft (36m)	4450-0700-010-UNV-SD10 ☐
3-5	11	120-277V	None	None	6" x 4" x 3" (152 x 102 x 76mm)	30ft (9m)	4444-0700-011-UNV-ND ☐
2-5	12	120V	Leading and trailing edge (ELV and TRIAC)	Down to ±15%	8" x 8" x 4" (203 x 203 x 102mm)	30ft (9m)	4450-0700-012-120-LTE ☐
4-8	20	120-277V	Lutron Hi Lume® 0.1% EcoSystem™ (Soft-on, Fade to Black)	Down to ±0.1%	6" x 4" x 3" (152 x 102 x 76mm)	30ft (9m)	4444-0700-020-UNV-D2 ☐
1-13	30	120-277V	Dali ELDOLED ECOdrive	Down to ±1%	8" x 8" x 4" (203 x 203 x 102mm)	118ft (36m)	4450-0700-030-UNV-EDA ☐
1-13	30	120-277V	0-10V ELDOLED ECOdrive	Down to ±1%	8" x 8" x 4" (203 x 203 x 102mm)	118ft (36m)	4450-0700-030-UNV-ED10 ☐
1-13	30	120-277V	0-10V ELDOLED SOLOdrive	Down to ±0.1%	8" x 8" x 4" (203 x 203 x 102mm)	118ft (36m)	4450-0700-030-UNV-SD10 ☐
8-14	32	120V	Leading and trailing edge (ELV and TRIAC)	Down to ±15%	6" x 4" x 3" (152 x 102 x 76mm)	30ft (9m)	4444-0700-032-120-LTE ☐
3-17	38	120-277V	0-10V	Down to ±10%	8" x 8" x 4" (203 x 203 x 102mm)	30ft (9m)	4450-0700-038-UNV-D10 ☐
13-17	40	120V	Leading and trailing edge (ELV and TRIAC)	Down to ±15%	6" x 6" x 3" (152 x 152 x 76mm)	30ft (9m)	4445-0700-040-120-LTE ☐
1-44 11 per channel	100	120-277V	0-10V ELDOLED SOLOdrive	Down to ±0.1%	10" x 8" x 4" (254 x 203 x 102mm)	118ft (36m)	4448-0700-100-UNV-SD10 (4 channels)⁽¹⁾ ☐

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

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

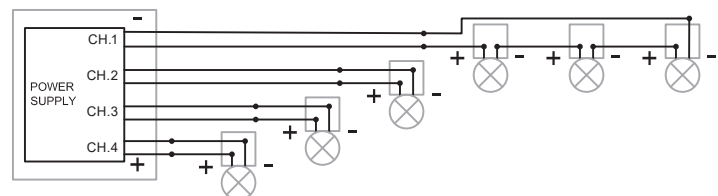
WIRING DIAGRAMS

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



⁽¹⁾ 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.



REMOTE LED DRIVER OPTIONS (TO BE ORDERED SEPARATELY)

FOR PALCO Ø 37MM (1½") • 8W* • 650mA

Min-max units	Watts	Voltage	Dimming protocol	Dimming range	Connection box dimensions	Max distance**	Connection box
1	10	120-277V	0-10V ELDOLED ECOdrive	Down to ±1%	8" x 8" x 4" (203 x 203 x 102mm)	118ft (36m)	4450-0650-010-UNV-ED10 ☐
1	10	120-277V	0-10V ELDOLED SOLOdrive	Down to ±0.1%	8" x 8" x 4" (203 x 203 x 102mm)	118ft (36m)	4450-0650-010-UNV-SD10 ☐
1	13	120-277V	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)	4443-0650-013-UNV-D2 ☐
2	19	120-277V	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)	4443-0650-019-UNV-D2 ☐
2-3	29	120V	Leading and trailing edge (ELV and TRIAC)	Down to ±15%	6" x 4" x 3" (152 x 102 x 76mm)	30ft (9m)	4444-0650-029-120-LTE ☐
1-3	30	120-277V	Dali ELDOLED ECOdrive	Down to ±1%	8" x 8" x 4" (203 x 203 x 102mm)	118ft (36m)	4450-0650-030-UNV-EDA ☐
1-3	30	120-277V	0-10V ELDOLED ECOdrive	Down to ±1%	8" x 8" x 4" (203 x 203 x 102mm)	118ft (36m)	4450-0650-030-UNV-ED10 ☐
1-3	30	120-277V	0-10V ELDOLED SOLOdrive	Down to ±0.1%	8" x 8" x 4" (203 x 203 x 102mm)	118ft (36m)	4450-0650-030-UNV-SD10 ☐
1-4	35	120-277V	0-10V	Down to ±10%	8" x 8" x 4" (203 x 203 x 102mm)	30ft (9m)	4450-0650-035-UNV-D10 ☐
1-11 Max 3 per channel	100	120-277V	0-10V ELDOLED SOLOdrive	Down to ±0.1%	10" x 8" x 4" (254 x 203 x 102mm)	118ft (36m)	4448-0650-100-UNV-SD10 (4 channels)⁽¹⁾ ☐

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

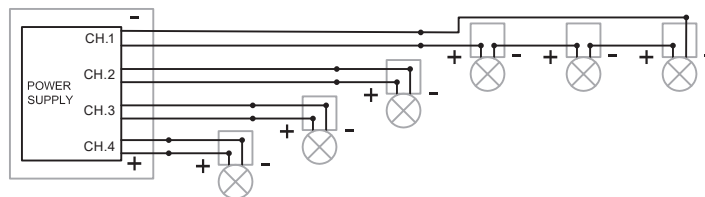
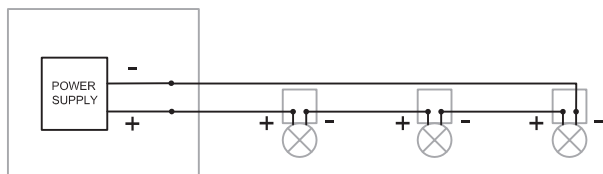
** Calculated for 16AWG cable. Contact customer service for longer remote distance.

WIRING DIAGRAMS

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

⁽¹⁾ 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.



REMOTE LED DRIVER OPTIONS
(TO BE ORDERED SEPARATELY)

FOR PALCO Ø 51MM (2") • 14W* • 400mA

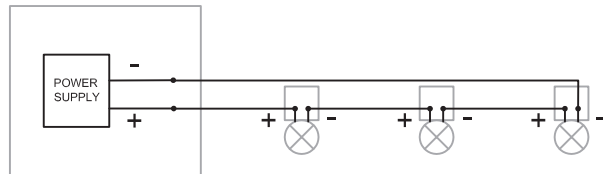
Min-max units	Watts	Voltage	Dimming protocol	Dimming range	Connection box dimensions	Max distance**	Connection box
1	16	120V	Leading and trailing edge (ELV and TRIAC)	Down to $\pm 15\%$	6" x 4" x 3" (152 x 102 x 76mm)	30ft (9m)	4444-0400-016-120-LTE ☐
1	17	120-277V	Lutron Hi Lume® 1% EcoSystem™ (Soft-on, Fade to Black)	Down to $\pm 1\%$	5" x 4" x 3" (127 x 102 x 76mm)	30ft (9m)	4443-0400-017-UNV-D2 ☐
1	22	120-277V	Dali ELDOLED ECOdrive	Down to $\pm 1\%$	8" x 8" x 4" (203 x 203 x 102mm)	118ft (36m)	4450-0400-022-UNV-EDA ☐
1	22	120-277V	0-10V	Down to $\pm 10\%$	8" x 8" x 4" (203 x 203 x 102mm)	30ft (9m)	4450-0400-022-UNV-D10 ☐
1	22	120-277V	0-10V ELDOLED ECOdrive	Down to $\pm 1\%$	8" x 8" x 4" (203 x 203 x 102mm)	118ft (36m)	4450-0400-022-UNV-ED10 ☐
1	22	120-277V	0-10V ELDOLED SOLOdrive	Down to $\pm 0.1\%$	8" x 8" x 4" (203 x 203 x 102mm)	118ft (36m)	4450-0400-022-UNV-SD10 ☐
1-4 1 per channel	91	120-277V	0-10V ELDOLED SOLOdrive	Down to $\pm 0.1\%$	10" x 8" x 4" (254 x 203 x 102mm)	118ft (36m)	4448-0400-091-UNV-SD10 (4 channels)⁽¹⁾ ☐

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

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

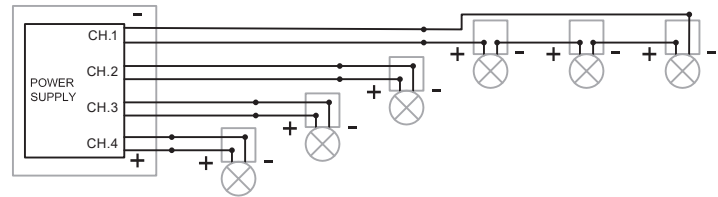
WIRING DIAGRAMS

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

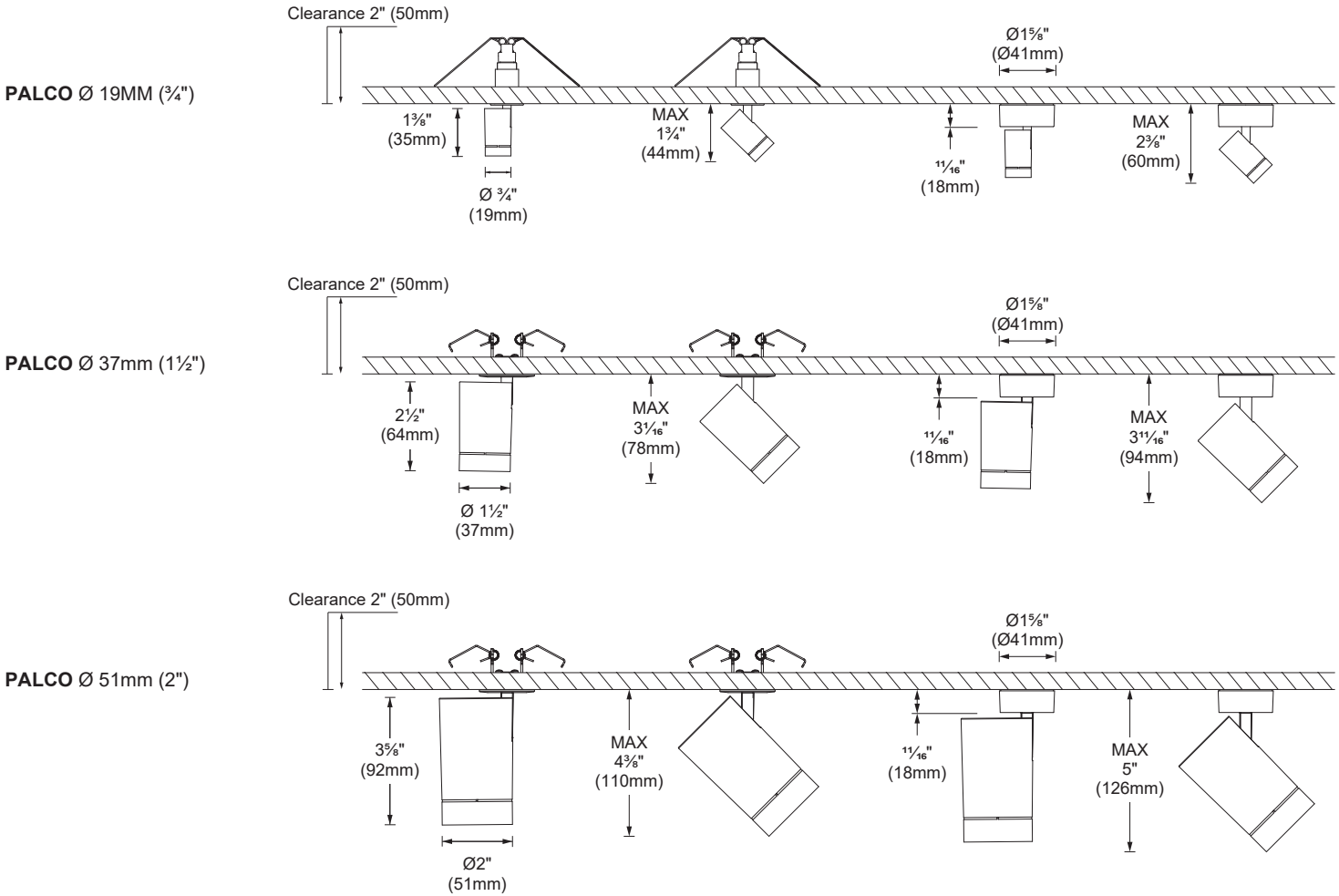


⁽¹⁾ Luminaires must be connected on separate channels (1-4).

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.



DIMENSIONS



LED COLOR FIDELITY DATA

CCT	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	Rf	Rg	Melanopic ratio
2700K	94	94	91	93	93	92	93	88	70	84	94	82	94	94	92	88	104	0.456
3000K	97	96	93	94	96	94	95	92	82	89	94	86	97	95	96	90	104	0.538
3500K	99	99	98	98	98	97	97	96	93	99	99	83	99	98	98	92	99	0.666
4000K	94	94	93	94	92	91	97	91	74	85	93	72	93	96	92	91	99	0.744

PHOTOMETRIC DATA

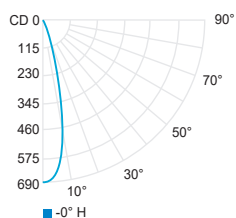
PALCO
Ø 19MM (¾")



CCT (K)	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODEL
3000K	90	2W	Medium 24°	132	66	687	IPLC-LV1-X-19-930-MD

Use multiplier table for other CCT and CRI output data. Efficacy based on IESNA LM-79 test reports. Visit iguzzini.com/us for complete photometric data.

Medium 24° (3000K, 90CRI)



	Center beam fc	Beam width ft
2ft	172	0.8
4ft	43.0	1.7
6ft	19.1	2.5
8ft	10.7	3.4
10ft	6.88	4.2
12ft	4.78	5.1

CCT options	2700K	3000K	3500K	4000K
CRI options	90CRI	90CRI	90CRI	90CRI
Multiplier	0.95	1	1	1.21

LED COLOR FIDELITY DATA

CCT	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	Rf	Rg	Melanopic ratio
2700K	95	98	98	96	96	97	90	79	55	97	98	93	96	100	89	94	99	0.500
3000K	94	97	99	95	94	97	92	81	55	92	97	86	95	99	89	93	100	0.558
3500K	94	97	98	95	94	96	93	83	59	92	96	83	95	99	90	93	99	0.644
4000K	93	95	96	94	93	93	94	84	60	88	95	76	94	98	89	92	99	0.726

PHOTOMETRIC DATA

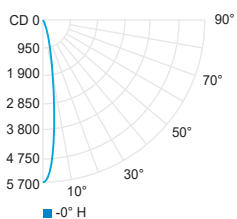
PALCO
Ø 37MM (1½")



CCT (K)	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
3000K	90	7.9W	Spot 16°	562	71	5 649	IPLC-LV1-X-37-930-SP
			Wide flood 44°	500	63	904	IPLC-LV1-X-37-930-WF

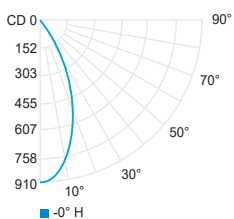
Use multiplier table for other CCT and CRI output data. Efficacy based on IESNA LM-79 test reports. Visit iguzzini.com/us for complete photometric data.

Spot 16° (3000K, 90CRI)



	Center beam fc	Beam width ft
2ft	1 412	0.6
4ft	353	1.1
6ft	157	1.7
8ft	88.3	2.2
10ft	56.5	2.8
12ft	39.2	3.3

Wide flood 44° (3000K, 90CRI)



	Center beam fc	Beam width ft
2ft	226	1.6
4ft	56.6	3.3
6ft	25.1	4.9
8ft	14.1	6.5
10ft	9.05	8.1
12ft	6.28	9.8

CCT options	2700K	3000K	3500K	4000K
CRI options	90CRI	90CRI	90CRI	90CRI
Multiplier	0.95	1	1.07	1.08

LED COLOR FIDELITY DATA

CCT	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	Rf	Rg	Melanopic ratio
2700K	95	98	98	96	96	97	90	79	55	97	98	93	96	100	89	94	99	0.500
3000K	94	97	99	95	94	97	92	81	55	92	97	86	95	99	89	93	100	0.558
3500K	94	97	98	95	94	96	93	83	59	92	96	83	95	99	90	93	99	0.644
4000K	93	95	96	94	93	93	94	84	60	88	95	76	94	98	89	92	99	0.726

PHOTOMETRIC DATA

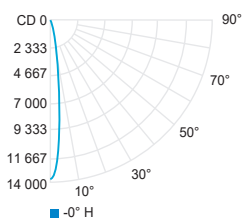
PALCO
Ø 51MM (2")



CCT (K)	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
3000K	90	14W	Spot 12°	1 008	72	13 710	IPLC-LV1-X-51-930-SP
			Wide flood 42°	952	68	1 875	IPLC-LV1-X-51-930-WF

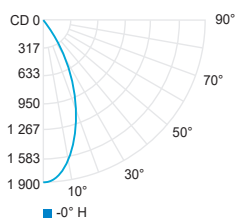
Use multiplier table for other CCT and CRI output data. Efficacy based on IESNA LM-79 test reports. Visit iguzzini.com/us for complete photometric data.

Spot 12° (3000K, 90CRI)



Center beam fc	Beam width ft
2ft	3 428
4ft	857
6ft	381
8ft	214
10ft	137
12ft	95.2

Wide flood 42° (3000K, 90CRI)



Center beam fc	Beam width ft
2ft	469
4ft	117
6ft	52.1
8ft	29.3
10ft	18.8
12ft	13.0

CCT options	2700K	3000K	3500K	4000K
CRI options	90CRI	90CRI	90CRI	90CRI
Multiplier	0.93	1	1.07	1.07