



The miniature low voltage heads are designed for ceiling or wall application (with remote LED driver). PALCO FRAMER pleasing aesthetic deliver precise beam distribution with a miniaturized optical technology. The innovative optic system, combined with the option of manual adjustment provides sharp and precise wall illumination with no halo effects or soft edges. The optical assembly is secured to the technical body with a rapid and practical magnetic system. Ideal for application in exhibition spaces, retail, hospitality and residences.

**Luminaire characteristic:**

**Power input:** 2W or 6.5W (system wattage)  
**Lumens:** 28lm or 135lm (for 3000K, 90CRI)  
**Luminaire efficacy:** Up to 20lm/W

**Source:**

White LED (LM-80 tested)  
2700K: 90CRI,  
3000K: 90CRI,  
3500K: 90CRI,  
4000K: 90CRI.

**Lumen maintenance:**

80% of initial lumens at 50 000 hours (L80).

**Optic:**

Adjustable optic using included metal gobos and flaps. see page 2 for details.  
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.

**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 3-4.

**Finish:**

White (RAL9010) or black painted finish.

**Weight:**

Surface: Ø19mm: 0.18lb (0.08kg)  
                  Ø37mm: 0.46lb (0.21kg)  
Recessed: Ø19mm: 1.87lb (0.85kg)  
                  Ø37mm: 0.51lb (0.23kg)

**Warranty:**

5 year limited warranty.

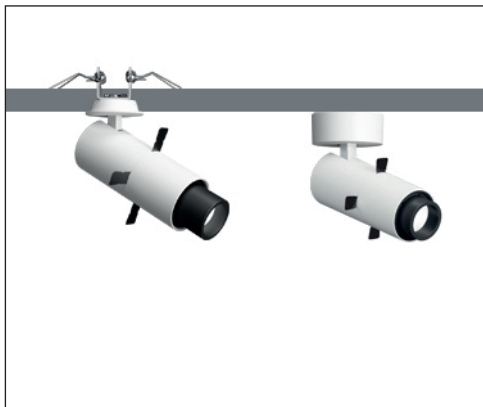
**Rating:**

IP20

**Certification:**



cULus listed for dry location.



**ORDERING INFO**



PRODUCT CODE			INSTALLATION CODE			
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

INSTALLATION	MOUNTING	MODEL	LED	OPTIC	VOLTAGE	FINISH
<b>1</b> Single	<b>S</b> Surface	<b>19</b> Palco LV Framer Ø 19mm (3/4")	<b>927</b> 2700K, 90CRI	<b>FR</b> Framer	<b>REM</b> Remote	<b>01</b> White
		<b>37</b> Palco LV Framer Ø 37mm (1 1/2")	<b>930</b> 3000K, 90CRI			<b>02</b> Black
		<b>935</b> 3500K, 90CRI				
		<b>940</b> 4000K, 90CRI				
	<b>M</b> Recessed					

**REMOTE LED DRIVER OPTIONS**  
(TO BE ORDERED SEPARATELY)

**FOR PALCO FRAMER 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)	<b>4444-0700-004-120-LTE</b> <input type="checkbox"/>
2-3	07	120-277V	0-10V	Down to ±10%	6" x 4" x 3" (152 x 102 x 76mm)	30ft (9m)	<b>4444-0700-007-UNV-D10</b> <input type="checkbox"/>
1-4	10	120-277V	0-10V ELDOLED ECOdrive	Down to ±1%	8" x 8" x 4" (203 x 203 x 102mm)	118ft (36m)	<b>4450-0700-010-UNV-ED10</b> <input type="checkbox"/>
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)	<b>4450-0700-010-UNV-SD10</b> <input type="checkbox"/>
3-5	11	120-277V	None	None	6" x 4" x 3" (152 x 102 x 76mm)	30ft (9m)	<b>4444-0700-011-UNV-ND</b> <input type="checkbox"/>
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)	<b>4450-0700-012-120-LTE</b> <input type="checkbox"/>
1-13	30	120-277V	Dali ELDOLED ECOdrive	Down to ±1%	8" x 8" x 4" (203 x 203 x 102mm)	118ft (36m)	<b>4450-0700-030-UNV-EDA</b> <input type="checkbox"/>
1-13	30	120-277V	0-10V ELDOLED ECOdrive	Down to ±1%	8" x 8" x 4" (203 x 203 x 102mm)	118ft (36m)	<b>4450-0700-030-UNV-ED10</b> <input type="checkbox"/>
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)	<b>4450-0700-030-UNV-SD10</b> <input type="checkbox"/>
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)	<b>4444-0700-032-120-LTE</b> <input type="checkbox"/>
3-17	38	120-277V	0-10V	Down to ±10%	8" x 8" x 4" (203 x 203 x 102mm)	30ft (9m)	<b>4450-0700-038-UNV-D10</b> <input type="checkbox"/>
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)	<b>4445-0700-040-120-LTE</b> <input type="checkbox"/>
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)	<b>4448-0700-100-UNV-SD10 (4 channels)<sup>(1)</sup></b> <input type="checkbox"/>

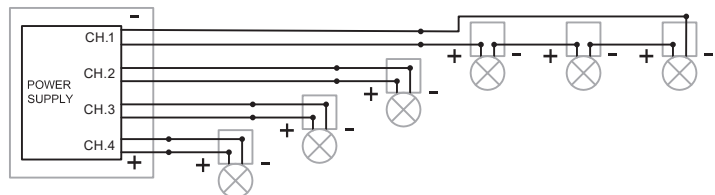
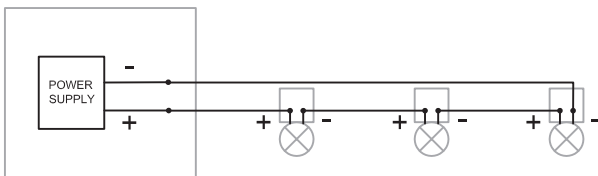
\* Wattage requirement for one (1) fixture (remote fixture only).  
\*\* Calculated for 16AWG cable. Contact customer service for longer remote distance.

**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.



**REMOTE LED DRIVER OPTIONS**  
(TO BE ORDERED SEPARATELY)

FOR PALCO FRAMER Ø 37MM (1½") • 6W\* • 700mA

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)	<b>4450-0700-010-UNV-ED10</b> <input type="checkbox"/>
1	10	120-277V	0-10V ELDOLED SOLOdrive	Down to ±0.1%	8" x 8" x 4" (203 x 203 x 102mm)	118ft (36m)	<b>4450-0700-010-UNV-SD10</b> <input type="checkbox"/>
1	11	120-277V	None	None	6" x 4" x 3" (152 x 102 x 76mm)	30ft (9m)	<b>4444-0700-011-UNV-ND</b> <input type="checkbox"/>
1	12	120V	Leading and trailing edge (ELV and TRIAC)	Down to ±15%	8" x 8" x 4" (203 x 203 x 102mm)	30ft (9m)	<b>4450-0700-012-120-LTE</b> <input type="checkbox"/>
3	25	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)	<b>4443-0700-025-UNV-D2</b> <input type="checkbox"/>
1-3	30	120-277V	Dali ELDOLED ECOdrive	Down to ±1%	8" x 8" x 4" (203 x 203 x 102mm)	118ft (36m)	<b>4450-0700-030-UNV-EDA</b> <input type="checkbox"/>
1-3	30	120-277V	0-10V ELDOLED ECOdrive	Down to ±1%	8" x 8" x 4" (203 x 203 x 102mm)	118ft (36m)	<b>4450-0700-030-UNV-ED10</b> <input type="checkbox"/>
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)	<b>4450-0700-030-UNV-SD10</b> <input type="checkbox"/>
3-4	32	120V	Leading and trailing edge (ELV and TRIAC)	Down to ±15%	6" x 4" x 3" (152 x 102 x 76mm)	30ft (9m)	<b>4444-0700-032-120-LTE</b> <input type="checkbox"/>
4	35	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)	<b>4443-0700-035-UNV-D2</b> <input type="checkbox"/>
1-5	38	120-277V	0-10V	Down to ±10%	8" x 8" x 4" (203 x 203 x 102mm)	30ft (9m)	<b>4450-0700-038-UNV-D10</b> <input type="checkbox"/>
4-5	40	120V	Leading and trailing edge (ELV and TRIAC)	Down to ±15%	6" x 6" x 3" (152 x 152 x 76mm)	30ft (9m)	<b>4445-0700-040-120-LTE</b> <input type="checkbox"/>
1-15 Max 5 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)	<b>4448-0700-100-UNV-SD10</b> <b>(4 channels)<sup>(1)</sup></b> <input type="checkbox"/>

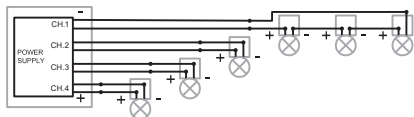
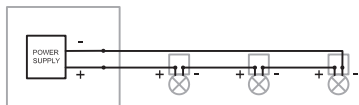
\* Wattage requirement for one (1) fixture (Remote fixture only).  
\*\* Calculated for 16AWG cable. Contact customer service for longer remote distance.

**WIRING DIAGRAMS**

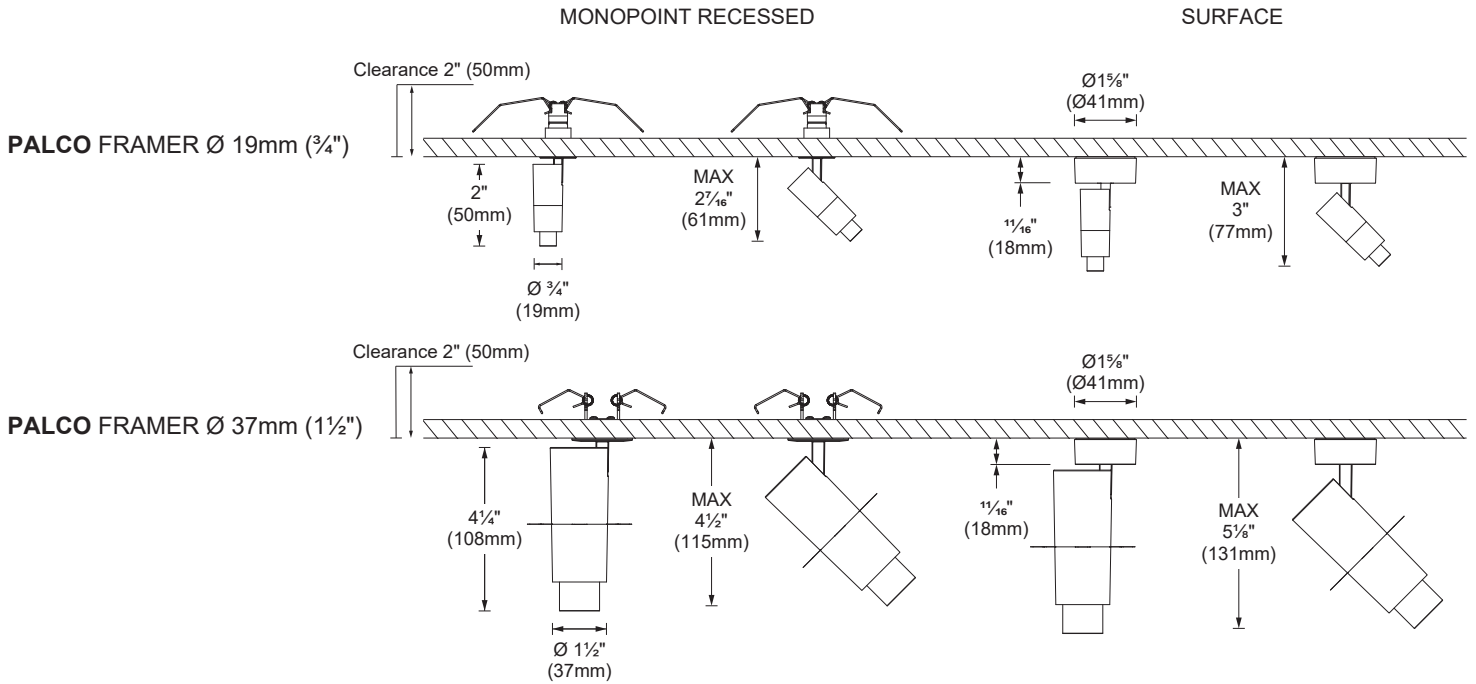
Multiple luminaires must be connected in series (home run or fixture chain)

<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.



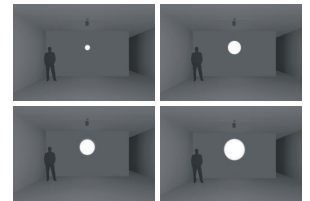
**DIMENSIONS**



**LIGHTING EFFECT**

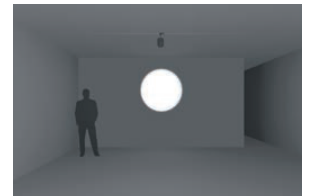
**PALCO FRAMER Ø 19mm (3/4")**

Supplied with 4 circular Gobos (Ø 2/3/4/5mm).  
Custom Gobo available upon request.  
Manual focusing by rotation of the lens.



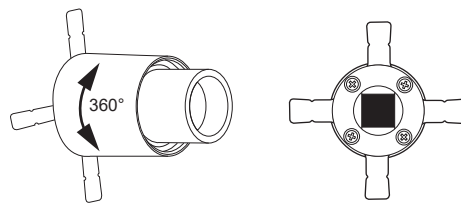
**PALCO FRAMER Ø 37mm (1 1/2")**

Supplied with 2 circular Gobos (Ø 5/10mm).  
Custom Gobo available upon request.  
Manual focusing by rotation of the lens.



**SHAPER**

Integrated in the product, for creating square or rectangular shapes with variable sides.  
Can rotate 360°.



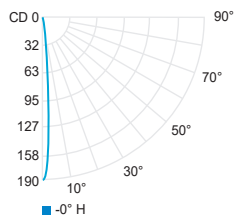
**PHOTOMETRIC DATA**

**PALCO FRAMER**  
Ø 19mm (3/4")



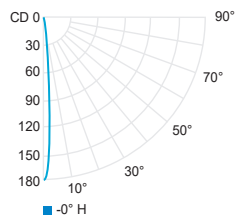
CCT (K)	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / w)	MAX CANDELA (cd)	MODEL
3000K	90	2W	Framer GOBO Ø2	3.4	1.7	180	IPLC-LV1-X-19-930-FR
			Framer GOBO Ø3	6.8	3.4	172	IPLC-LV1-X-19-930-FR
			Framer GOBO Ø4	12	6	201	IPLC-LV1-X-19-930-FR
			Framer GOBO Ø5	15	7.5	204	IPLC-LV1-X-19-930-FR

GOBO Ø2 (3000K, 90CRI)



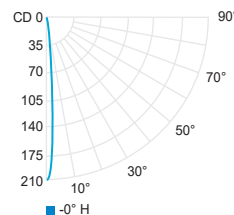
Center beam fc	Beam width ft
2ft	45.2 0.3
4ft	11.3 0.6
6ft	5.02 0.9
8ft	2.82 1.2
10ft	1.81 1.5
12ft	1.25 1.8

GOBO Ø3 (3000K, 90CRI)



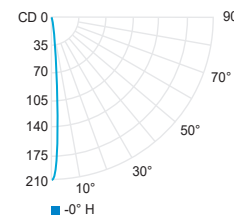
Center beam fc	Beam width ft
2ft	43 0.4
4ft	10.7 0.9
6ft	4.77 1.3
8ft	2.69 1.7
10ft	1.72 2.2
12ft	1.19 2.6

GOBO Ø4 (3000K, 90CRI)



Center beam fc	Beam width ft
2ft	56.3 0.3
4ft	14.1 0.6
6ft	6.26 0.9
8ft	3.52 1.2
10ft	2.25 1.5
12ft	1.56 1.8

GOBO Ø5 (3000K, 90CRI)



Center beam fc	Beam width ft
2ft	51 0.6
4ft	12.8 1.2
6ft	5.67 1.8
8ft	3.19 2.5
10ft	2.04 3.1
12ft	1.42 3.7

CCT options	2700K	3000K	3500K	4000K
CRI options	90CRI	90CRI	90CRI	90CRI
<b>Multiplier</b>	<b>0.94</b>	<b>1</b>	<b>1</b>	<b>1.24</b>

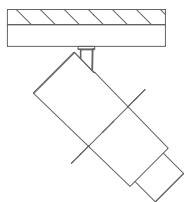
**LED COLOR FIDELITY DATA**

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

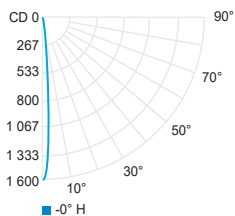
**PHOTOMETRIC DATA**

**PALCO FRAMER**  
Ø 37mm (1½")

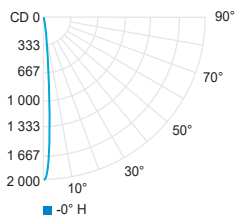
3000K	90	6.5W	Framer GOBO Ø5	28	4	1 543	IPLC-LV1-X-37-930-FR
			Framer GOBO Ø10	135	20	1 970	IPLC-LV1-X-37-930-FR



GOBO Ø5 (3000K, 90CRI)



GOBO Ø10 (3000K, 90CRI)



Center beam fc	Beam width ft
2ft	386
4ft	96.5
6ft	42.9
8ft	24.1
10ft	15.4
12ft	10.7

Center beam fc	Beam width ft
2ft	493
4ft	123
6ft	54.7
8ft	30.8
10ft	19.7
12ft	13.7

CCT options	2700K	3000K	3500K	4000K
CRI options	90CRI	90CRI	90CRI	90CRI
<b>Multiplier</b>	<b>0.94</b>	<b>1</b>	<b>1.02</b>	<b>1.05</b>

**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