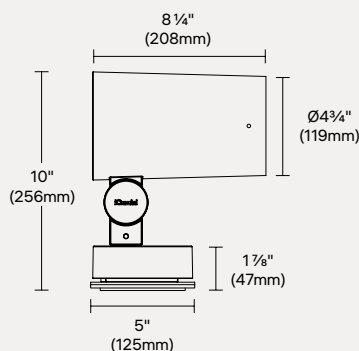


# PALCO INOUT 4

## Projector - Integral

Project: \_\_\_\_\_

Type: \_\_\_\_\_



Palco InOut is a family of outdoor projector for architectural and landscape lighting applications. Engineered for extreme conditions Palco performs in all climates and in all environments. Palco is equipped with proprietary high performance optics that deliver an extensive choice of light distributions.

### PHOTOMETRIC SUMMARY

Output	Optic	Lumens (lm)	Efficacy (lm/W)	Max Candela (cd)
HO	SP - 14°	1760	95	19 872
HO	MD - 25°	1694	92	7 661
VHO	WF - 47°	2 226	79	4 077
VHO	VWF - 75°	2 562	91	1 832

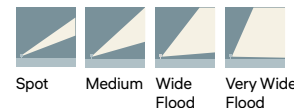
For 3000K, 80CRI. Consult [page 7](#) for full photometric data.

### FINISH OPTIONS



Consult factory for custom finishes

### OPTIC OPTIONS



### FEATURES

- Pole specification [page 2](#)
- Vertical or horizontal surface [page 3](#)
- 0-10V dimming down to 10%
- Additional sizing available with integral driver: *Small (Ø3 1/4")*, *Large (Ø5 3/8")* & *Extra Large (Ø6 1/8")*
- Additional sizing available with remote driver: *Micro (Ø1 3/16")*, *Mini (Ø2")* & *Small (Ø3 1/4")*
- Consult factory for further customization
- Full specification available [page 5](#)



### ORDERING INFO

PRODUCT CODE

EXAMPLE: IPLCIO-M-BO-830-WF-UNV-01-D10

MODEL	SIZE	OUTPUT <sup>1</sup>	LED	OPTIC	VOLTAGE	FINISH	DIMMING <sup>4</sup>
IPLCIO Palco InOut	M Palco InOut 4 Ø4 1/8" (119 mm)	HE <sup>2</sup> High efficiency (13.6W)	827 2700K, 80CRI	SP Spot 14°	UNV 120-277V	01 White	D10 0-10V (down to 10%)
		BO <sup>3</sup> Base Output (15.8W)	830 3000K, 80CRI	MD Medium 25°		02 Black	
		HO <sup>2</sup> High output (18.4W)	840 4000K, 80 CRI	WF Wide Flood 47°		15 Gray	
		VHO <sup>3</sup> Very high output (27.7W)		VWF Very Wide Flood 75°		F5 Rust Brown	
						RAL# <sup>5</sup> Custom RAL	

<sup>1</sup> See [page 5](#) for operating temperatures.

<sup>2</sup> Available with Spot (SP) and Medium (MD) optics only.

<sup>3</sup> Available with Wide Flood (WF) and Very Wide Flood (VWF) optics only.

<sup>4</sup> The dimming levels will vary depending on the dimmer used and the number of luminaires on the line.

<sup>5</sup> Additional fees may apply for custom finish. Contact factory for details.

### ACCESSORIES

To be ordered separately.

CONNECTION ACCESSORY CODE

EXAMPLE: IX564

CONNECTION ACCESSORIES	
More information available on <a href="#">page 3</a> .	
<b>IX564</b> Male connector	<b>IX565</b> Female connector
<b>IX567</b> Distributor block, (1x male in / 2x female out)	

OPTIC ACCESSORY CODE

EXAMPLE: IX246-01 +IX268 + IX262

OPTIC ACCESSORIES
Available optic accessories are available on <a href="#">page 4</a> .

PALCO INOUT 4  
Projector - Integral

Project: \_\_\_\_\_  
Type: \_\_\_\_\_

POLE SPECIFICATION

To be ordered separately.  
For installation consult instruction sheet.

POLE SPECIFICATION	
<b>iGuzzini Pole</b>  <b>Diameter</b> Ø4" (Ø 102mm) <b>Shape</b> Round <b>Model</b> Straight <b>Installation</b> Anchor bolts <b>Access Door</b> Included	<b>Supplied by other</b> Pole provided by another manufacturer
<b>Height</b>  ft	<b>Finish</b>  01 - White RAL9016*  02 - Black RAL9005*  15 - Gray RAL9007*  F5 - Rust Brown RAL8017*  RAL# <small>Enter custom RAL</small>
<b>Material</b>  Aluminum  Galvanized Steel	

\* We provide RAL numbers that are similar, but we cannot guarantee an exact color match. For a more accurate color and gloss match, please contact customer service for a sample chip.

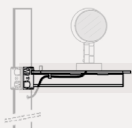
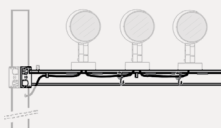
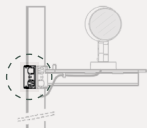
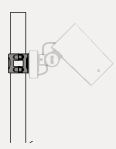
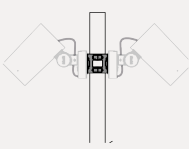
POLE-MOUNTED ACCESSORIES

To be ordered separately.  
For installation, consult instruction sheet.  
Pole Ø: 4" (102mm).



**Palco InOut 4 (M)**  
**EPA** 0.54ft² (0.05m²)  
  
To have the total EPA, add all the EPA values for each items in the composition.


FINISH			
<b>01</b> White	<b>02</b> Black	<b>15</b> Gray	<b>F5</b> Rust Brown

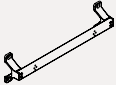
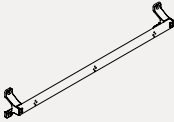
POLE INSTALLATION WITH ARMS			POLE INSTALLATION WITH FLANGES	
 <b>IX568</b> Arm for 1 floodlight  <b>Length</b> 19 ¼" (488mm) <b>Weight</b> 11.11lb (5.04kg) <b>EPA</b> 0.33ft² (0.031m²)	 <b>IX570</b> Arm for 2/3 floodlights  <b>Length</b> 37 ¼" (946mm) <b>Weight</b> 18.14lb (8.23kg) <b>EPA</b> 0.64ft² (0.060m²)	 <b>I6161</b> Counter Flange  <b>Weight</b> 4.76lb (2.16kg) <b>EPA</b> 0.064ft² (0.006m²)	 <b>IX417</b> Flange for 1 floodlight  <b>Weight</b> 3.52lb (1.60kg) <b>EPA</b> 0.22ft² (0.020m²)	 <b>IX419</b> Flange for 2 floodlights  <b>Weight</b> 3.75lb (1.7kg) <b>EPA</b> 0.23ft² (0.021m²)

Project: \_\_\_\_\_  
Type: \_\_\_\_\_

MULTI SUPPORT & SPIKE

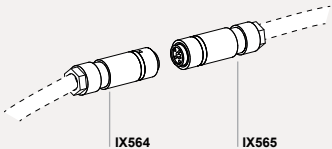


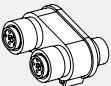
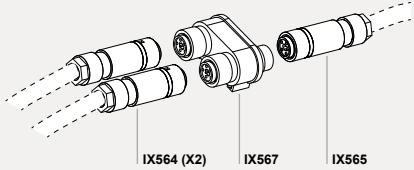
To be ordered separately.  
For installation, consult instruction sheet.

FINISH				SPIKE FOR GROUND / GARDEN APPLICATIONS	
01 White	02 Black	15 Gray	F5 Rust Brown		
				<b>IX272</b> Fixed Spike  <b>Length 14"</b> (355mm)	

MULTI SUPPORT	
	
<b>I6014</b> For 2 floodlights  <b>Dimensions</b> 37 7/8 x 9 1/4 x 5 1/2" (962 x 236 x 141mm)	<b>I6015</b> For 3 floodlights  <b>Dimensions</b> 61 1/4 x 9 1/4 x 5 1/2" (1560 x 236 x 141mm)

CONNECTION ACCESSORIES

To be ordered separately.  
For available configurations and details on installation, consult the instruction sheet.

WATERPROOF IP68 FIELD CONNECTOR			SINGLE CONNECTION	
For Ø 0.25" - 0.5" (7.1-13mm) cable, 5poles 16-22 AWG conductors No finish option available.				
			<b>MULTIPLE CONNECTION</b> 	
<b>IX564</b> Male connector, 250/400V.  For multiple connection, order 2 male connectors	<b>IX565</b> Female connector, 250/400V.	<b>IX567</b> Distributor block, 250/400V. (1x male in / 2x female out)		

OPTICAL ACCESSORIES


To be ordered separately.

OPTICAL ACCESSORY CODE


EXAMPLE: IX246-01 +IX268 + IX262

OPTICAL ACCESSORIES - WITH SUPPORT FRAME


REQUIRED SUPPORT FRAME




**IX246-01**  
Support Frame  
Color White



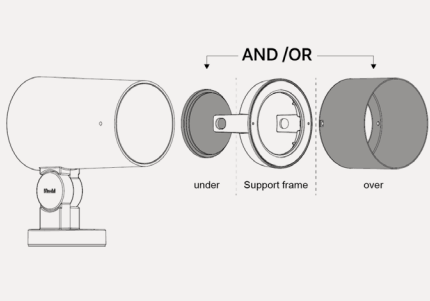
**IX246-02**  
Support Frame  
Color Black




**IX246-15**  
Support Frame  
Color Gray




**IX246-F5**  
Support Frame  
Color Rust Brown




UNDER SUPPORT FRAME OPTICAL ACCESSORIES (1X MAX)



**IX262**  
Refractor for Elliptical Distribution




**IX266**  
Diffuser Glass




**IX258**  
Honeycomb Louver

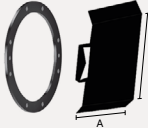
OVER SUPPORT FRAME OPTICAL ACCESSORIES (1X MAX)




**IX268<sup>1</sup>**  
Blade Louver  
Color Black




**IX275**  
Protective Grid



**IX320 + IX269**  
Horizontal Frame + Directional Flap  
Enter QTY (max. 4 Flaps)  
Color Black  
A 3" (77mm)  
B 4" (101mm)



**IX250**  
Short Snoot  
Color Black  
Length 4" (100mm)




**IX254**  
45° Short Snoot  
Color Black  
Length 5 3/8" (131mm)


1 Cannot be combined with Diffuser Glass

OPTICAL ACCESSORIES - STAND-ALONE

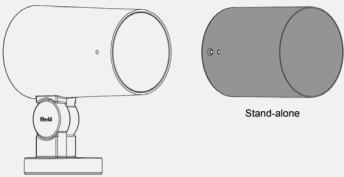
STAND-ALONE ACCESSORIES



**IX542**  
Long Snoot  
Color Black  
Length 5 7/8" (147mm)



**IX536**  
45° Long Snoot  
Color Black  
Length 7" (178mm)



**PALCO INOUT 4****Projector - Integral**

Project: \_\_\_\_\_

Type: \_\_\_\_\_

**SPECIFICATIONS****LUMEN MAINTENANCE**

90% of initial lumens at 100 000 hours (L90 B10) T77°F (25°C)  
 90% of initial lumens at 100 000 hours (L90 B10) T104°F (40°C)

**MATERIAL**

**Optical body:** Die-cast aluminum;  
**Arm and accessory holder ring:** Die-cast aluminum;  
**Driver housing:** Die-cast aluminum;  
**Reflector:** Metalized thermoplastic;  
**Optic diffuser:** PMMA (polymethyl methacrylate);  
**Protective screen:** 3/16" (4mm) thick extra-clear sodium-calcium closure glass.

**MOUNTING**

Vertical or horizontal surface mount ([page 3](#)) on 4" octagonal junction box or pole mount ([page 2](#)). Supplied with adaptor plate for 4" octagonal junction box and 6 inch (160mm) of power cable.

**ADJUSTMENT**

Double adjustable allows a 341° rotation about the vertical,  
 Adjustable 91°/51° from horizontal line.

**ELECTRICAL**

Integral high efficiency dimmable LED driver, rated at 50 000 hours.  
 120V/277V.

**DIMMING**

0-10V (120-277V), down to 10%.

**FINISH**

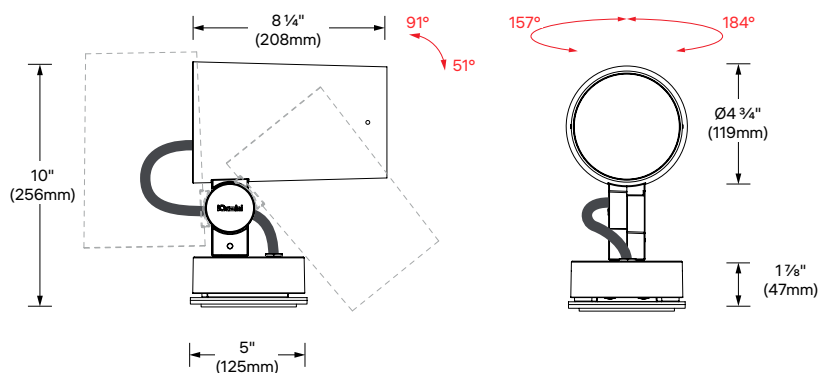
Black (RAL9005), Gray (RAL9007), Rust Brown (RAL8017), and White (RAL9016) painted with a high level of weather and UV resistance. The semi-gloss finish coating is electrostatically applied durable acrylic enamel baked at high temperatures for superior color retentive finish. We provide RAL numbers that are similar, but we cannot guarantee an exact color match. For a more accurate color and gloss match, please contact customer service for a sample chip.

**OPERATING TEMPERATURE**

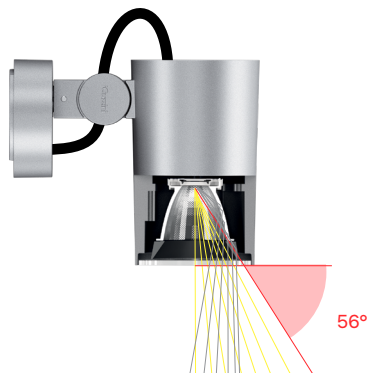
**HE:** -30°C to 50°C (-22°F to 122°F);  
**BO:** -30°C to 50°C (-22°F to 122°F);  
**HO:** -30°C to 35°C (-22°F to 95°F);  
**VHO:** -30°C to 35°C (-22°F to 95°F)

**WEIGHT**

8.38lb (3.85kg)

**DIMENSIONS****VISUAL COMFORT**

Palco InOut spotlights have a very high shielding angle that ensures visual comfort in spatial terms whatever their orientation.



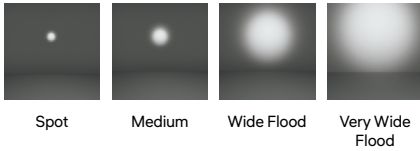
# PALCO INOUT 4 Projector - Integral

Project: \_\_\_\_\_  
Type: \_\_\_\_\_

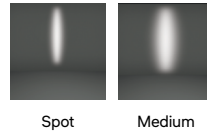
## PROFESSIONAL OPTICS

10 total optics combinations with Elliptical Distribution Refractor and Diffuser Glass accessories.

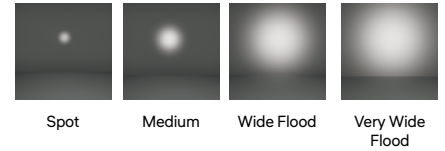
### Primary Optics



### With Elliptical Distribution Refractor



### With Diffuser Glass



## PROFESSIONAL ACCESSORIES

### UNDER SUPPORT FRAME ACCESSORIES (Choose only one)



+



Refractor for  
Elliptical  
Distribution



Diffuser  
Glass



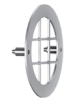
Honeycomb  
Louver

+



Mandatory  
Accessory  
Support Frame

+



Protection  
Grid

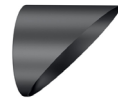
+



Blade  
Louver



Short  
Snoot



45° Short  
Snoot



Horizontal Frame +  
Directional Flap

## FAMILY OVERVIEW

Line voltage version with integral LED driver



**S - PALCO INOUT 3**  
Ø3 1/4" (83mm)



Spot Medium



Wide Flood Very Wide Flood



**M - PALCO INOUT 4**  
Ø4 3/4" (119mm)



Spot Medium



Wide Flood Very Wide Flood



**L - PALCO INOUT 5**  
Ø5 5/8" (137mm)



Spot Medium Flood



Wide Flood Very Wide Flood



**X - PALCO INOUT 6**  
Ø6" (153mm)



Medium Flood



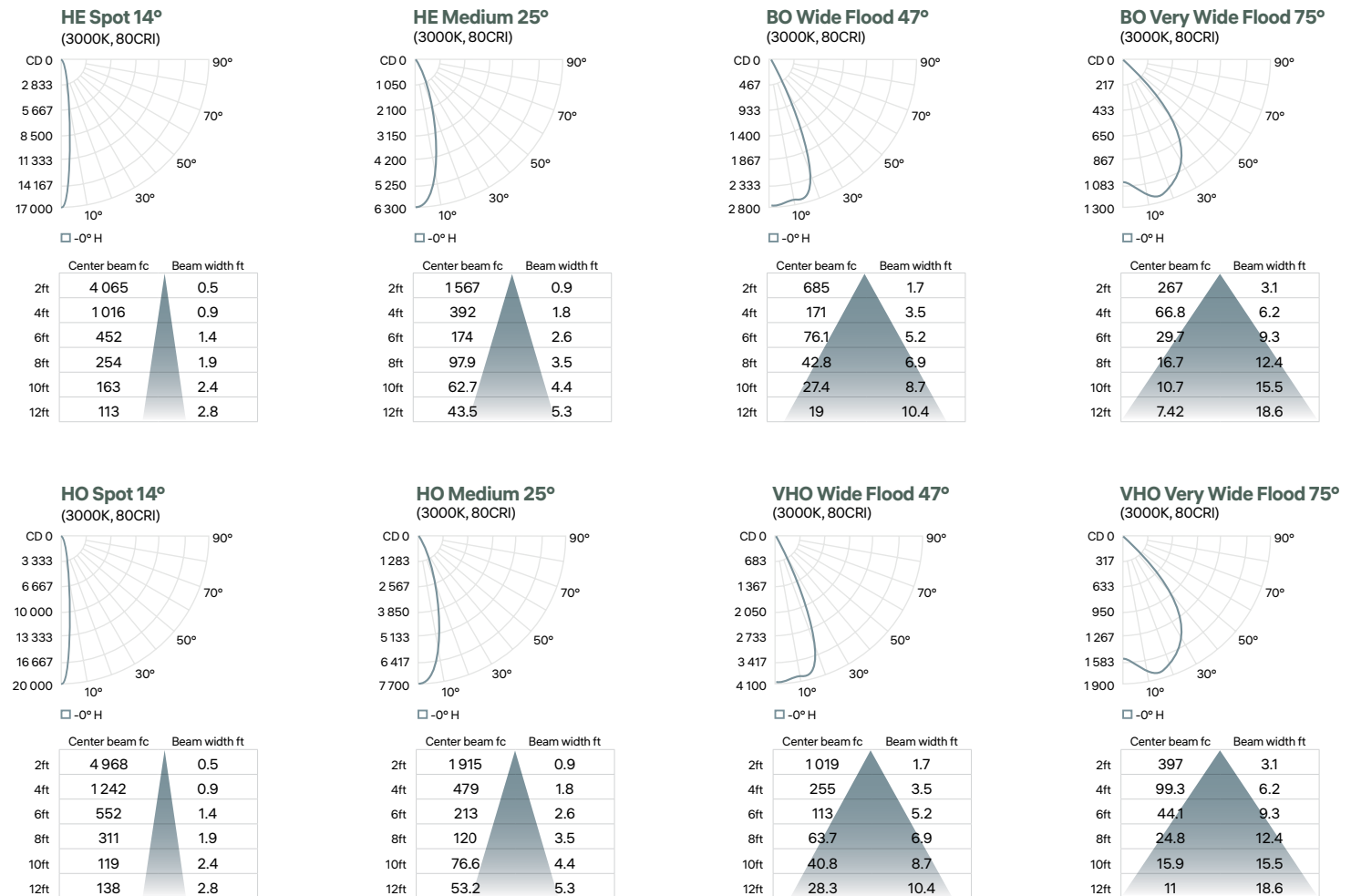
Wide Flood Very Wide Flood

Project: \_\_\_\_\_  
 Type: \_\_\_\_\_

**PHOTOMETRIC DATA**

CCT (K)	CRI	OUTPUT	POWER (W)	OPTIC	LUMENS (lm)	EFFICACY (lm/W)	MAX CANDELA (cd)	MODELS
3000	80	HE	13.6	Spot 14°	1 440	105	16 259	IPLCIO-M-HE-830-SP
				Medium 25°	1 386	101	6 268	IPLCIO-M-HE-830-MD
		BO	15.8	Wide Flood 47°	1 496	94	2 741	IPLCIO-M-BO-830-WF
				Very Wide Flood 75°	1 722	108	1 231	IPLCIO-M-BO-830-VWF
		HO	18.4	Spot 14°	1 760	95	19 872	IPLCIO-M-HO-830-SP
				Medium 25°	1 694	92	7 661	IPLCIO-M-HO-830-MD
		VHO	27.7	Wide Flood 47°	2 226	79	4 077	IPLCIO-M-VHO-830-WF
				Very Wide Flood 75°	2 562	91	1 832	IPLCIO-M-VHO-830-VWF

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



CCT options	2700K	3000K	4000K
CRI options	80CRI	80CRI	80CRI
<b>Multiplier</b>	<b>0.97</b>	<b>1</b>	<b>1.03</b>