

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 - 15°	1552	103	10 475
HO	MD - 25°	1642	109	7 217
HO	WF - 41°	1777	118	4 168
HO	VWF - 78°	1889	125	1 403

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

FEATURES

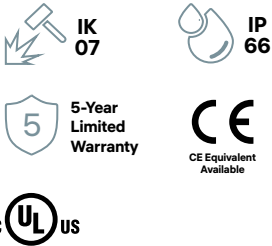
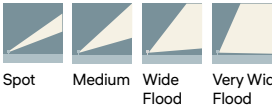
- Triac and ELV (120V) down to 1%. 0-10V (120-277V) down to 1%. [page 4](#)
- Additional sizing available with integral driver: [3 \(Ø3 1/4"\)](#), [4 \(Ø4 1/16"\)](#), [5 \(Ø5 3/8"\)](#) & [6 \(Ø6 1/16"\)](#)
- Additional sizing available with remote driver: [1 \(Ø1 3/16"\)](#) & [2 \(Ø2"\)](#)
- Consult factory for further customization
- Full specification available [page 5](#)

FINISH OPTIONS



Consult factory for custom finishes

OPTIC OPTIONS



ORDERING INFO

PRODUCT CODE EXAMPLE: IPLCIO-S-BO-830-MD-REM-01

MODEL	SIZE	OUTPUT ¹	LED	OPTIC	VOLTAGE	FINISH
IPLCIO Palco InOut	S Palco InOut 3 Ø3 1/4" (83 mm)	BO Base Output (12W)	827 2700K, 80CRI	SP Spot 15°	REM Remote	01 White
		HO High output (15W)	830 3000K, 80CRI	MD Medium 25°		02 Black
			840 4000K, 80 CRI	WF Wide Flood 41°		15 Gray
				VWF Very Wide Flood 78°		F5 Rust Brown
						RAL# ² Custom RAL

¹ See [page 5](#) for operating temperatures.
² Additional fees may apply for custom finish. Contact factory for details.

ACCESSORIES

To be ordered separately.

CONNECTION ACCESSORY CODE EXAMPLE: 9013-9014-KIT

CONNECTION ACCESSORIES	
More information available on page 2 .	
IX652-01 Junction Box Kit White	IX652-02 Junction Box Kit Black
IX652-05 Junction Box Kit Gray	IX652-F5 Junction Box Kit Rust Brown
9013-9014-KIT Male and female connector kit	

DRIVER CODE EXAMPLE: 4548-0350-019-UNV-D10

DRIVER
Driver options are available on page 4 .

OPTIC ACCESSORY CODE EXAMPLE: IX245-01 + IX261 + IX249

OPTIC ACCESSORIES
Available optic accessories are available on page 3 .

Project: _____
Type: _____

GROUND INSTALLATION

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

SPIKE FOR GROUND / GARDEN APPLICATIONS



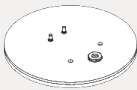
IX271
Fixed Spike

Length 14" (355mm)

CONNECTION ACCESSORIES

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

JUNCTION BOX KIT



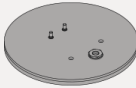
IX652-01
Junction Box Kit

Color White



IX652-02
Junction Box Kit

Color Black



IX652-15
Junction Box Kit

Color Gray

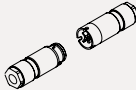


IX652-F5
Junction Box Kit

Color Rust Brown

WATERPROOF IP68 FIELD CONNECTOR

For Ø 0.15-0.27" (4-7mm) cable, 2 poles 18-24 AWG conductors
No finish option available.



9013-9014-KIT
Male and female
connector kit,
250/400V.

OPTICAL ACCESSORIES

To be ordered separately.

OPTICAL ACCESSORY CODE

EXAMPLE: IX245-01 + IX261 + IX249

OPTICAL ACCESSORIES - WITH SUPPORT FRAME

REQUIRED SUPPORT FRAME



IX245-01
Support Frame
Color White



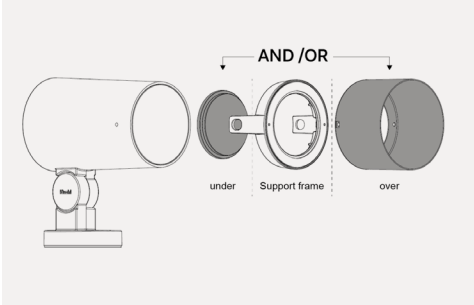
IX245-02
Support Frame
Color Black



IX245-15
Support Frame
Color Gray



IX245-F5
Support Frame
Color Rust Brown



UNDER SUPPORT FRAME OPTICAL ACCESSORIES (1X MAX)



IX261
Refractor for Elliptical Distribution



IX265
Diffuser Glass



IX257
Honeycomb Louver

OVER SUPPORT FRAME OPTICAL ACCESSORIES (1X MAX)



IX267¹
Blade Louver
Color Black



IX249
Short Snoot
Color Black
Length 2 ½" (64mm)



IX253
45° Short Snoot
Color Black
Length 3 ⅝" (90mm)

1 Cannot be combined with Diffuser Glass

OPTICAL ACCESSORIES - STAND-ALONE

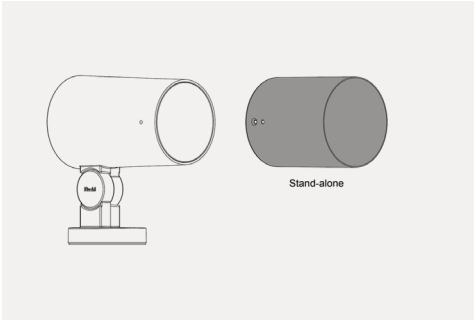
STAND-ALONE ACCESSORIES



IX541
Long Snoot
Color Black
Length 4 ¼" (106mm)



IX535
45° Long Snoot
Color Black
Length 5 ⅜" (137mm)



Project: _____
Type: _____

REMOTE LED DRIVER OPTIONS

DRIVER CODE EXAMPLE: 4548-0350-019-UNV-D10

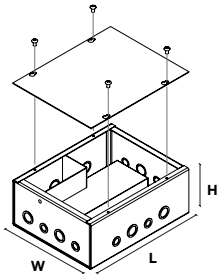
INDOOR RATED DRIVER BOX MODELS	MIN-MAX UNITS		OUTDOOR RATED DRIVER BOX MODELS	MIN-MAX UNITS	
	BO (12W)	HO (15W)		BO (12W)	HO (15W)
4445-0350-015-120-LTE	1	-	4548-0350-015-120-LTE	1	-
4450-0350-019-UNV-D10	1	-	4548-0350-019-UNV-D10	1	-
4450-0350-019-UNV-ED10	1	-	4549-0350-019-UNV-ED10	1	-
4450-0350-019-UNV-SD10	1	-	4549-0350-019-UNV-SD10	1	-
4450-0350-038-UNV-SD10 (2 outputs)	1-2 MAX 1 per output	-	4549-0350-038-UNV-SD10 (2 outputs)	1-2 MAX 1 per output	-
4445-0450-017-120-LTE	-	1	4549-0450-024-UNV-ED10	-	1
4450-0450-024-UNV-D10	-	1	4549-0450-024-UNV-SD10	-	1
4450-0450-024-UNV-ED10	-	1	4549-0450-049-UNV-SD10 (2 outputs)	-	1-2 MAX 1 per output
4450-0450-024-UNV-SD10	-	1			
4450-0450-049-UNV-SD10 (2 outputs)	-	1-2 MAX 1 per output			

DRIVER BOX MODEL DESCRIPTION

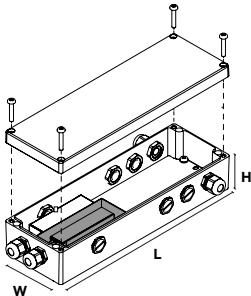
MODEL (L × W × H)	CONSTANT CURRENT	WATTAGE	VOLTAGE	DIMMING PROTOCOL
4444 6" x 4" x 3" (152 x 102 x 76mm)	0350 to 0450 350mA to 450mA	015 to 049 15W to 49W	120 120V	LTE Leading & Trailing Edge (ELV & TRIAC) Dimming Range Down to 1% Max Distance 30ft (9m) ¹
4445 6" x 6" x 3" (152 x 152 x 76mm)			UNV 120-277V	D10 0-10V Dimming Range Down to ±10% Max Distance 30ft (9m) ¹
4450 8" x 8" x 4" (203 x 203 x 102mm)				ED10 0-10V ELDOLED ECOdrive Dimming Range Down to ±1% Max Distance 118ft (36m) ¹
4548 6" x 4.5" x 3" (152 x 114 x 76mm)				SD10 0-10V ELDOLED SOLOdrive Dimming Range Down to ±0.1% Max Distance 118ft (36m) ¹
4549 14.5" x 5" x 3.5" (368 x 127 x 89mm)				

¹ Max distance cable calculated for 16AWG cable. Contact customer service for longer remote distance.

DRIVER BOX DIMENSIONS



INDOOR RATED



OUTDOOR RATED

WIRING DIAGRAMS

Single-Channel Drivers
Multiple luminaires must be connected in series (home run or fixture chain)

Single-channel, Multiple outputs driver
Luminaires must be connected on separate output. Do not exceed the wattage and voltage range on each output.

PALCO INOUT 3

Projector - Remote

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

See available mounting accessories on [page 2](#). Supplied with 3ft (1m) of power cable with anti-siphon device.

ADJUSTMENT

Double adjustable allows a 360° rotation about the vertical,
 Adjustable +91°/55° from horizontal line.

ELECTRICAL

High efficiency remote dimmable LED driver, rated at 50 000 hours.
 120V/277V. See remote LED driver options on [page 4](#).

DIMMING

Triac and ELV (120V), down to 1%. 0-10V (120-277V), down to 1%.
 See remote dimming options on [page 4](#).

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.

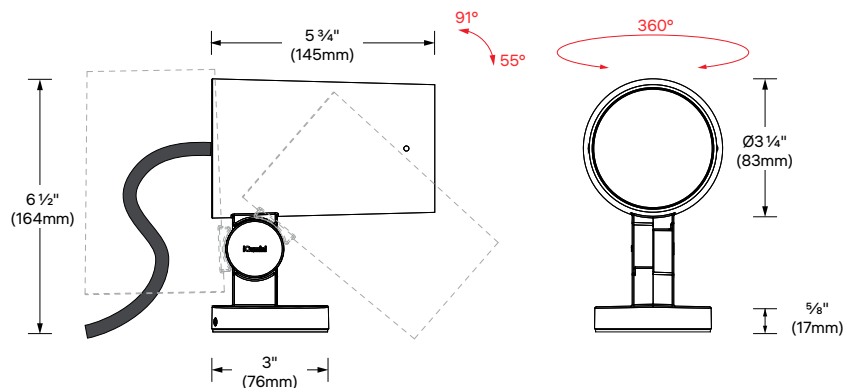
OPERATING TEMPERATURE

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

WEIGHT

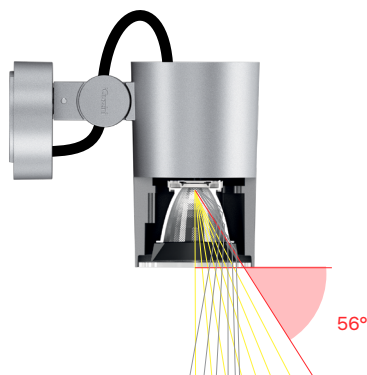
2.86lb (1.30kg)

DIMENSIONS



VISUAL COMFORT

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



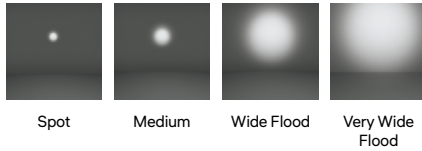
PALCO INOUT 3 Projector - Remote

Project: _____
Type: _____

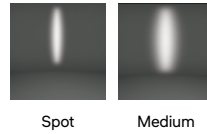
PROFESSIONAL OPTICS

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

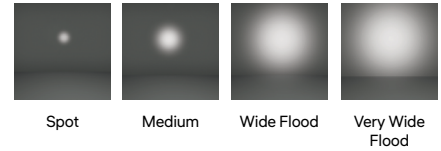
Primary Optics



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

+

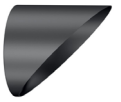
OVER SUPPORT FRAME ACCESSORIES (Choose only one)



Blade
Louver



Short
Snoot



45° Short
Snoot

FAMILY OVERVIEW

Low voltage with remote LED driver



C - PALCO INOUT 1
Ø1 3/16" (30mm)



Spot Medium



N - PALCO INOUT 2
Ø2" (49mm)



Spot Medium



Wide
Flood



S - PALCO INOUT 3
Ø3 1/4" (83mm)



Spot Medium

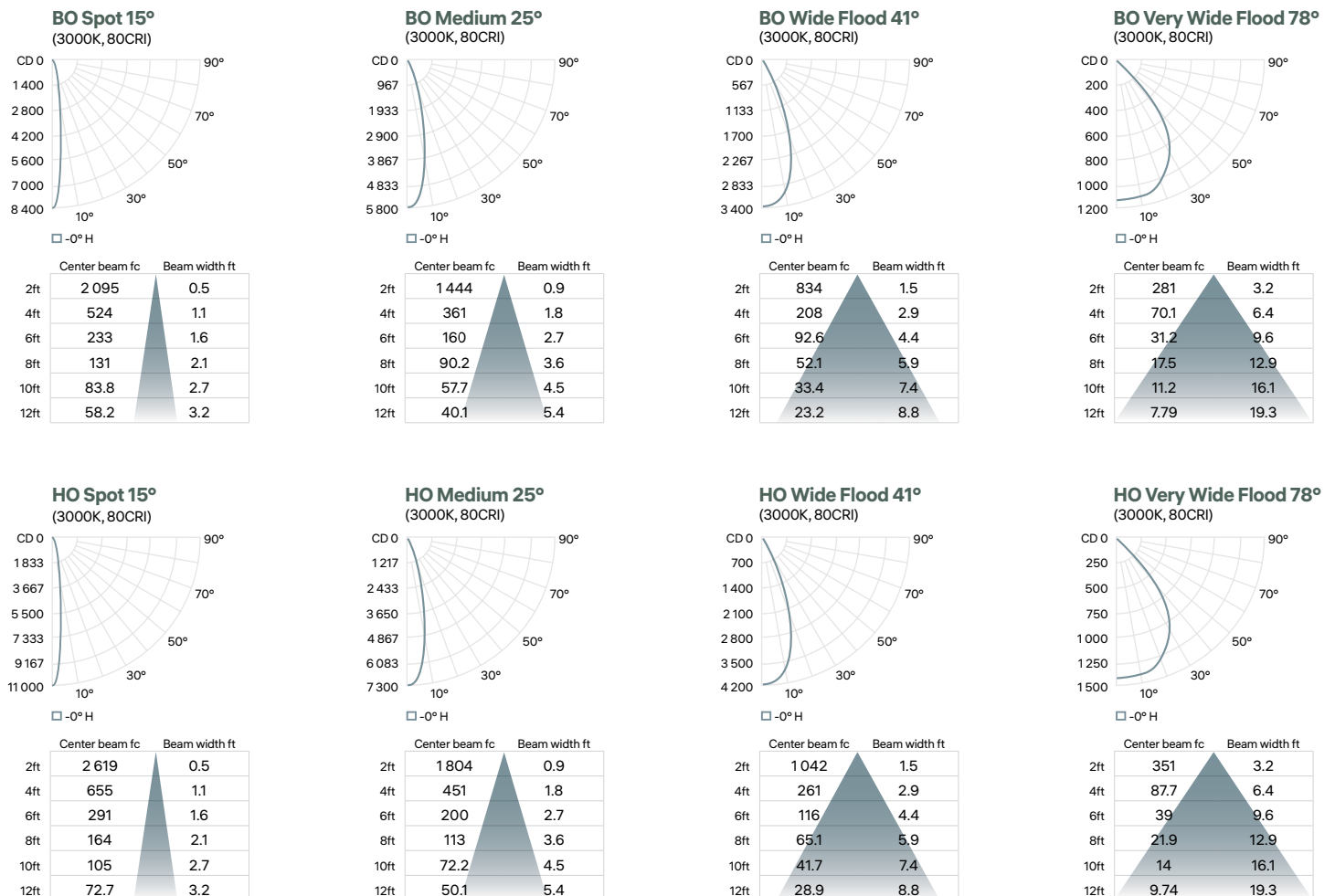


Wide
Flood Very
Wide
Flood

PHOTOMETRIC DATA

CCT (K)	CRI	OUTPUT	POWER (W)	OPTIC	LUMENS (lm)	EFFICACY (lm/W)	MAX CANDELA (cd)	MODELS
3000	80	BO	12	Spot 15°	1 242	103	8 380	IPLCIO-S-BO-830-SP
				Medium 25°	1 312	109	5 770	IPLCIO-S-BO-830-MD
				Wide Flood 41°	1 422	118	3 335	IPLCIO-S-BO-830-WF
				Very Wide Flood 78°	1 512	126	1 122	IPLCIO-S-BO-830-VWF
		HO	15	Spot 15°	1 552	103	10 475	IPLCIO-S-HO-830-SP
				Medium 25°	1 642	109	7 217	IPLCIO-S-HO-830-MD
				Wide Flood 41°	1 777	118	4 168	IPLCIO-S-HO-830-WF
				Very Wide Flood 78°	1 889	125	1 403	IPLCIO-S-HO-830-VWF

*For products that use a remote LED driver, total system wattage will vary according to the efficacy of the remote LED driver selected. For this reason, the load and efficacy values given in the table above refer to the LED source only and do not include the LED driver consumption.
 Use the 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.



CCT options	2700K	3000K	4000K
CRI options	80CRI	80CRI	80CRI
Multiplier	0.97	1	1.03