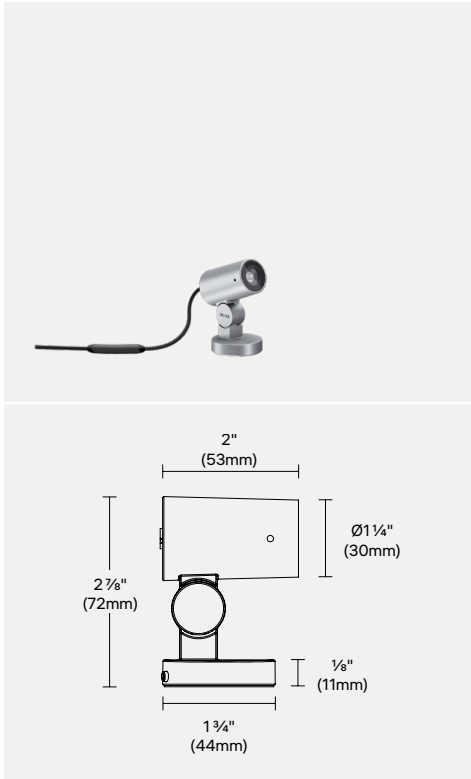


Project: _____
Type: _____



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)
BO	SP - 14°	162	64	1802
BO	MD - 24°	176	70	829

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

FEATURES

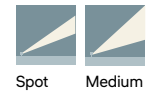
- Triac and ELV (120V) down to 15%.
0-10V (120-277V) down to 1% [page 4](#)
- Additional sizing available with integral driver:
[3 \(Ø3 1/4"\)](#), [4 \(Ø4 1/16"\)](#), [5 \(Ø5 3/8"\)](#) & [6 \(Ø6 1/16"\)](#)
- Additional sizing available with remote driver:
[2 \(Ø2"\)](#) & [3 \(Ø3 1/4"\)](#)
- Consult factory for further customization
- Full specification available [page 5](#)

FINISH OPTIONS



Consult factory for custom finishes

OPTIC OPTIONS



ORDERING INFO

PRODUCT CODE

EXAMPLE: IPLCIO-C-BO-830-MD-REM-01

MODEL	SIZE	OUTPUT ¹	LED	OPTIC	VOLTAGE	FINISH
IPLCIO Palco InOut	C Palco InOut 1 Ø1 3/8" (30mm)	BO Base Output (2.5W)	827 2700K, 80CRI	SP Spot 14°	REM Remote	01 White
			830 3000K, 80CRI			02 Black
			840 4000K, 80 CRI			15 Gray
				MD Medium 24°		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 3 .	
IX651-01 Junction Box Kit White	IX651-02 Junction Box Kit Black
IX651-05 Junction Box Kit Gray	IX651-F5 Junction Box Kit Rust Brown
9013-9014-KIT Male and female connector kit	

DRIVER CODE

EXAMPLE: 4548-0850-024-UNV-D10

DRIVER
Driver options are available on page 4 .

OPTIC ACCESSORY CODE

EXAMPLE: IX243-01 + IX259 + IX247

OPTIC ACCESSORIES
Available optic accessories are available on page 3 .

PALCO INOUT 1

Projector - Remote

Project: _____

Type: _____

GROUND INSTALLATION

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

SPIKE FOR GROUND / GARDEN APPLICATIONS



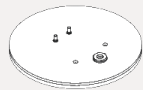
IX270
Fixed Spike

Length 14" (355mm)

CONNECTION ACCESSORIES

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

JUNCTION BOX KIT



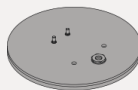
IX651-01
Junction Box Kit

Color White



IX651-02
Junction Box Kit

Color Black



IX651-15
Junction Box Kit

Color Gray

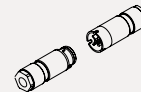


IX651-F5
Junction Box Kit

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: IX243-01 + IX259 + IX247

OPTICAL ACCESSORIES - WITH SUPPORT FRAME


REQUIRED SUPPORT FRAME




IX243-01
Support Frame
Color White



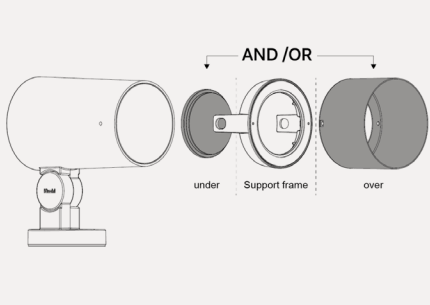
IX243-02
Support Frame
Color Black




IX243-15
Support Frame
Color Gray




IX243-F5
Support Frame
Color Rust Brown




UNDER SUPPORT FRAME OPTICAL ACCESSORIES (1X MAX)



IX259
Refractor for Elliptical Distribution




IX263
Diffuser Glass




IX255
Honeycomb Louver

OVER SUPPORT FRAME OPTICAL ACCESSORIES (1X MAX)




IX247
Short Snoot
Color Black
Length 1 5/8" (40mm)




IX251
45° Short Snoot
Color Black
Length 1 3/8" (34mm)

OPTICAL ACCESSORIES - STAND-ALONE

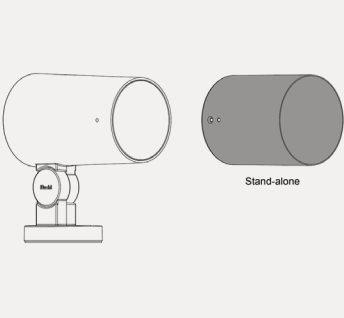
STAND-ALONE ACCESSORIES



IX539
Long Snoot
Color Black
Length 2 7/8" (61mm)



IX533
45° Long Snoot
Color Black
Length 2 1/2" (64mm)



PALCO INOUT 1
Projector - Remote

Project: _____
Type: _____

REMOTE LED DRIVER OPTIONS

DRIVER CODE

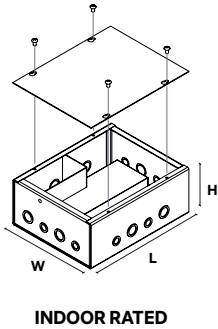
EXAMPLE: 4548-0850-024-UNV-D10

INDOOR RATED DRIVER BOX MODELS	MIN-MAX UNITS	OUTDOOR RATED DRIVER BOX MODELS	MIN-MAX UNITS
	BO (2.5W)		BO (2.5W)
4445-0850-022-120-LTE	7-8	4548-0840-026-120-LTE	6-10
4450-0850-040-UNV-D10	4-15	4548-0850-024-UNV-D10	4-9
4450-0850-030-UNV-ED10	1-11	4549-0850-030-UNV-ED10	1-11
4450-0850-046-UNV-ED10	1-18	4549-0850-046-UNV-ED10	1-18
4450-0850-030-UNV-SD10	1-11	4549-0850-030-UNV-SD10	1-11
4450-0850-050-UNV-SD10 (2 outputs)	1-20 ⁽¹⁾ MAX 18 per output	4549-0850-050-UNV-SD10 (2 outputs)	1-20 ⁽¹⁾ MAX 18 per output

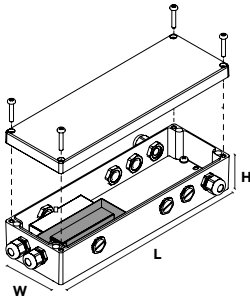
DRIVER BOX MODEL DESCRIPTION

MODEL (L × W × H)	CONSTANT CURRENT	WATTAGE	VOLTAGE	DIMMING PROTOCOL
4445 6" x 6" x 3" (152 x 152 x 76mm)	0840 to 0850 840mA to 850mA	022 to 050 22W to 50W	120 120V	LTE Leading & Trailing Edge (ELV & TRIAC) Dimming Range Down to ±15% Max Distance 30ft (9m) ¹
4450 8" x 8" x 4" (203 x 203 x 102mm)			UNV 120-277V	D10 0-10V Dimming Range Down to ±10% Max Distance 30ft (9m) ¹
4548 6" x 4.5" x 3" (152 x 114 x 76mm)				ED10 0-10V ELDOLED ECOdrive Dimming Range Down to ±1% Max Distance 118ft (36m) ¹
4549 14.5" x 5" x 3.5" (368 x 127 x 89mm)				SD10 0-10V ELDOLED SOLOdrive Dimming Range Down to ±0.1% Max Distance 118ft (36m) ¹

DRIVER BOX DIMENSIONS



INDOOR RATED



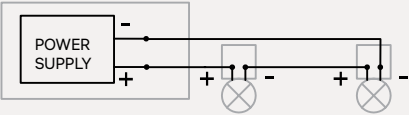
OUTDOOR RATED

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

WIRING DIAGRAMS

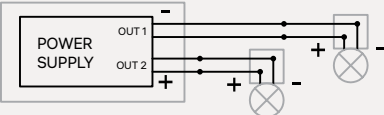
Single-Channel Drivers

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 1

Projector - Remote

Project: _____
Type: _____

SPECIFICATIONS

LUMEN MAINTENANCE

80% of initial lumens at 56 000 hours (L80 B10) T77°F (25°C)
80% of initial lumens at 57 000 hours (L80 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 +95°/50° 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 15%. 0-10V (120-277V), down to 15%.
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.

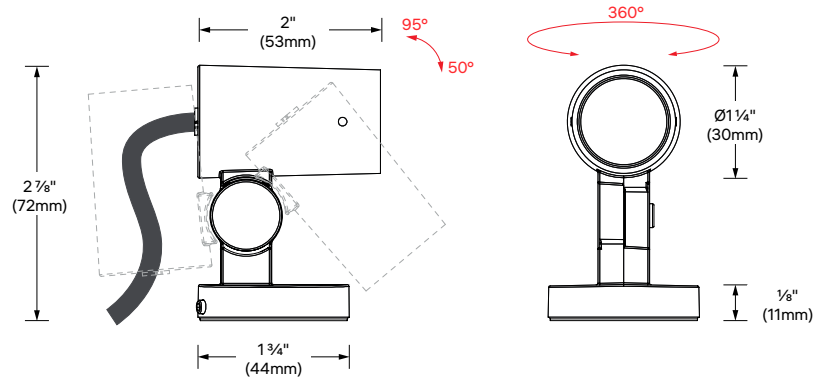
OPERATING TEMPERATURE

BO: -30°C to 50°C (-22°F to 122°F);

WEIGHT

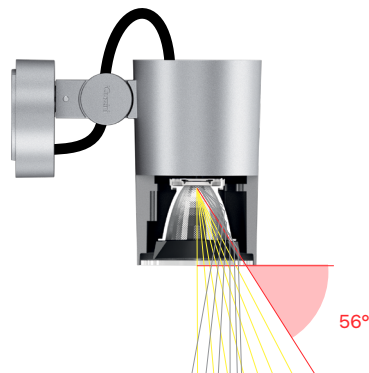
0.37lb (0.17kg)

DIMENSIONS



VISUAL COMFORT

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



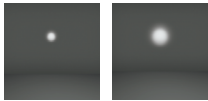
PALCO INOUT 1 Projector - Remote

Project: _____
Type: _____

PROFESSIONAL OPTICS

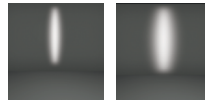
6 total optics combinations with Elliptical Distribution Refractor and Diffuser Glass accessories.

Primary Optics



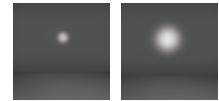
Spot Medium

With Elliptical Distribution Refractor



Spot Medium

With Diffuser Glass



Spot Medium

PROFESSIONAL ACCESSORIES

UNDER SUPPORT FRAME ACCESSORIES (Choose only one)



+



Refractor for
Elliptical
Distribution



Diffuser
Glass



Honeycomb
Louver

+



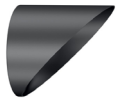
Mandatory
Accessory
Support Frame

+

OVER SUPPORT FRAME ACCESSORIES (Choose only one)



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

PALCO INOUT 1

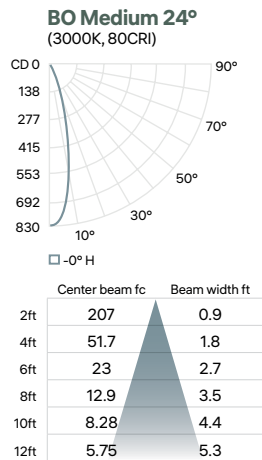
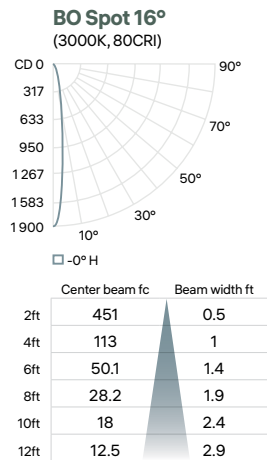
Projector - Remote

Project: _____
Type: _____

PHOTOMETRIC DATA

CCT (K)	CRI	OUTPUT	POWER (W)	OPTIC	LUMENS (lm)	EFFICACY (lm/W)	MAX CANDELA (cd)	MODELS
3000	80	BO	2.5	Spot 14°	162	64	1 802	IPLCIO-C-BO-830-SP
				Medium 24°	176	70	829	IPLCIO-C-BO-830-MD

*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