



Palco Framer is an outdoor framing projector for architectural and urban lighting applications. Engineered for extreme conditions Palco framer performs in all climates and all environments. Palco Framer is equipped with a proprietary optical technology that delivers theatrical-grade performances in outdoor environments. It features a complete set of accessories like irises, gobos, filters, etc.

Luminaire characteristic:	Power input: 2.5W to 28.5W (system wattage) Lumens: 5.3lm to 1 383lm (for 3000K, 80CRI) Luminaire efficacy: Up to 64lm/W
Source:	White LED (LM-80), 2700K: 80CRI, 3000K: 80CRI, 4000K: 80CRI.
Lumen maintenance:	90% of initial lumens at 100 000 hours (L90 B10) Ta 77F (25C) (see details page 7).
Optic:	Micro framer: Supplied with 4 gobos with Ø ⁵ / ₆₄ " , 1/ ₈ " , 5/ ₃₂ " , 3/ ₁₆ " (2,3,4,5mm) diameter central opening. Medium framer: Supplied with Ø1 ³ / ₁₆ " (30mm) and Ø1 ⁹ / ₁₆ " (40mm) gobos (see page 6 & 7 for additional offerings)
Material:	Optical body, arm and accessory holder ring and driver housing: Die-cast aluminum; Reflector: Metalized thermoplastic; Optic diffuser: PMMA (polymethyl methacrylate); Protective screen: 3/ ₁₆ " (5mm) thick extra-clear sodium-calcium closure glass.
Mounting:	Vertical or horizontal surface and pole mount. See all mounting accessories on page 4. Remote version are supplied with 3ft (1m) of power cable with anti-siphon device. Integral version are supplied with 4" octagonal junction box adaptor plate and 6" (160mm) of power cable.
Adjustment:	Double adjustable allows up to 360° rotation about the vertical, Adjustable +95°/5° from horizontal line.
Electrical:	Integral high efficiency dimmable LED driver, rated at 50 000 hours. 120V/277V. See remote options (Page 3)
Dimming:	Integral model 0-10V (120-277V), down to 10%. See remote options (page 3).
Finish:	Black, gray (RAL9007), rust brown 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.
Operating temperature:	-30° to 50°C (-22°F to 122°F);
Weight:	Micro framer Ø1 ¹ / ₄ "(30mm): 46lb (0.21kg) Medium framer Ø3 ³ / ₄ "(116mm): 11:03lb (5.5kg)
Warranty:	5 year limited warranty.
Ratings:	IP66, IK07
Certification:	cULus listed for wet location.



ORDERING INFO



FIXTURE

MODEL	SIZE	LED	OPTIC	VOLTAGE	FINISH	DIMMING	
IPLCIO	C Micro framer Ø1¼" (30mm)	827 2700K, 80CRI	FR Framer	REM ⁽¹⁾ Remote	01 White	D10 ⁽³⁾ 0-10V (down to 10%)	
		830 3000K, 80CRI		UNV ⁽²⁾ 120-277V	02 Black		
	M Medium framer 4⅝" (116mm)	840 4000K, 80CRI			15 Gray		
					F5 Rust brown		

⁽¹⁾ Available for micro framer (**C**) model.
⁽²⁾ Available for medium framer (**M**) model.
⁽³⁾ Available with 120-277V (**UNV**) voltage.

REMOTE LED DRIVER OPTIONS

(TO BE ORDERED SEPARATELY)

PALCO IN OUT MICRO : IPLCIO-C-XXX-FR-XXX-XX							2.5W*
Watts	Voltage	Rated	Dimming protocol	Dimming range	Dimensions	Max distance**	Min-max units
4445-0850-022-120-LTE							7-8
22	120V	Indoor	Leading and trailing edge (ELV and TRIAC)	Down to $\pm 5\%$	6" x 6" x 3" (152 x 152 x 76mm)	30ft(9m)	
4548-0850-024-UNV-D10							4-9
24	120-277V	Outdoor	0-10V	Down to $\pm 10\%$	6" x 4.5" x 3" (152 x 114 x 76mm)	30ft(9m)	
4548-0840-026-120-LTE							6-10
26	120V	Outdoor	Leading and trailing edge (ELV and TRIAC)	Down to $\pm 15\%$	6" x 4.5" x 3" (152 x 114 x 76mm)	30ft(9m)	
4450-0850-030-UNV-ED10							1-11
30	120-277V	Indoor	0-10V ELDOLED ECOdrive	Down to $\pm 1\%$	8" x 8" x 4" (203 x 203 x 102mm)	118ft(36m)	
4549-0850-030-UNV-ED10							1-11
30	120-277V	Outdoor	0-10V ELDOLED ECOdrive	Down to $\pm 1\%$	14.5" x 5" x 3.5" (368 x 127 x 89mm)	118ft(36m)	
4450-0850-030-UNV-SD10							1-11
30	120-277V	Indoor	0-10V ELDOLED SOLOdrive	Down to $\pm 0.1\%$	8" x 8" x 4" (203 x 203 x 102mm)	118ft(36m)	
4549-0850-030-UNV-SD10							1-11
30	120-277V	Outdoor	0-10V ELDOLED SOLOdrive	Down to $\pm 0.1\%$	14.5" x 5" x 3.5" (368 x 127 x 89mm)	118ft(36m)	
4450-0850-040-UNV-D10							4-15
40	120-277V	Indoor	0-10V	Down to $\pm 10\%$	8" x 8" x 4" (203 x 203 x 102mm)	30ft(9m)	
4450-0850-046-UNV-ED10							1-18
46	120-277V	Indoor	0-10V ELDOLED ECOdrive	Down to $\pm 1\%$	8" x 8" x 4" (203 x 203 x 102mm)	118ft(36m)	
4549-0850-046-UNV-ED10							1-18
46	120-277V	Outdoor	0-10V ELDOLED ECOdrive	Down to $\pm 1\%$	14.5" x 5" x 3.5" (368 x 127 x 89mm)	118ft(36m)	
4450-0850-050-UNV-SD10 (2 led output)							1-20 ⁽⁴⁾ MAX 18 per led output
50	120-277V	Indoor	0-10V ELDOLED SOLOdrive	Down to $\pm 0.1\%$	8" x 8" x 4" (203 x 203 x 102mm)	118ft(36m)	
4549-0850-050-UNV-SD10 (2 led output)							1-20 ⁽⁴⁾ MAX 18 per led output
50	120-277V	Outdoor	0-10V ELDOLED SOLOdrive	Down to $\pm 0.1\%$	14.5" x 5" x 3.5" (368 x 127 x 89mm)	118ft(36m)	

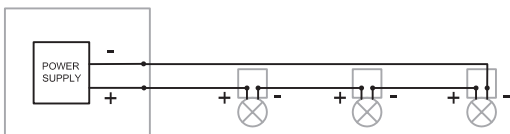
* Wattage requirement for one (1) fixture (Remote fixture only).

**Calculated for 16AWG cable. Contact factory for longer remote distance.

⁽⁴⁾ See page 9 for the wiring diagram.

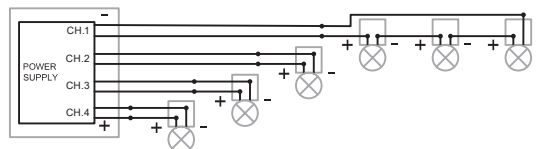
WIRING DIAGRAMS

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



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

Multiple luminaires can be connected in series on a led output (home run or fixture chain). Do not exceed the wattage and voltage range on each led output.



POLE-MOUNTED ACCESSORIES

(TO BE ORDERED SEPARATELY)

Available for medium size.

For installation consult instruction sheet.

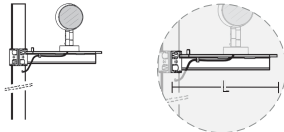
☐ 01 - White ☐ 02 - Black ☐ 15 - Gray ☐ F5 - Rust brown

POLES INSTALLATION WITH ARMS

Pole ø: 4" (102mm)

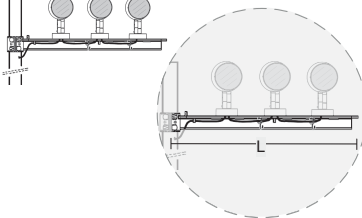
	Length	Weight	EPA
Arm for 1 floodlights	19 1/4" (488mm)	11.11lb (5.04kg)	0.33p ² (0.031m ²)

☐ IX568



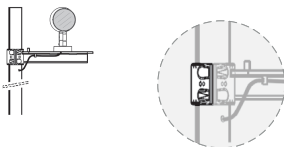
	Length	Weight	EPA
Arm for 2/3 floodlights	37 1/4" (946mm)	18.14lb (8.23kg)	0.64p ² (0.060m ²)

☐ IX570



	Weight	EPA
Counter flange	4.76lb (2.16kg)	0.064p ² (0.006m ²)

☐ I6161



MOUNTING ACCESSORIES

(TO BE ORDERED SEPARATELY)

☐ 01 - White ☐ 02 - Black ☐ 15 - Gray ☐ F5 - Rust brown

JUNCTION BOX KIT:

Available for remote LED driver models.

☐ IX651 - For palco micro model



MULTIPLE SUPPORT:

Available for medium size.

For installation consult instruction sheet.

☐ I6014 - For 2 floodlights

37 7/8 x 9 1/4 x 5 1/2
(962 x 236 x 141mm)



☐ I6015 - For 3 floodlights

61 1/4 x 9 1/4 x 5 1/2
(1560 x 236 x 141mm)

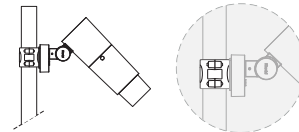
☐ 01 - White ☐ 02 - Black ☐ 15 - Gray ☐ F5 - Rust brown

POLES INSTALLATION WITH FLANGES

Pole ø: 4" (102mm)

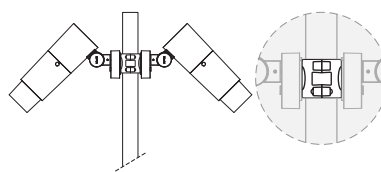
	Weight	EPA
Flange for 1 floodlight	3.52lb (1.60kg)	0.23p ² (0.021m ²)

☐ IX417



	Weight	EPA
Flange for 2 floodlights	3.97lb (1.80kg)	0.23p ² (0.021m ²)

☐ IX419



MODELS	EPA
M - Medium Ø 4 9/16" (116mm)	0.70p ² (0.065m ²)

To have the total EPA add all the value EPA items in composition

FIXED SPIKE FOR GROUND / GARDEN APPLICATIONS:

☐ IX270 - For palco micro model
14" (355mm)



WATERPROOF CONNECTOR (IP68):

☐ IX564 - Male connector

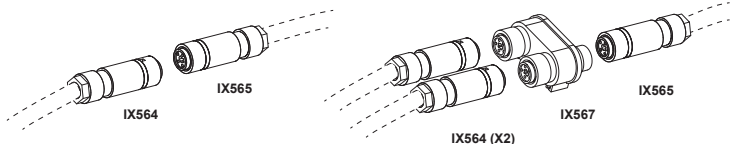
*For multiple connection, order 2 male connectors

☐ IX565 - Female connector

☐ IX567 - Male / Female connector

SINGLE CONNECTION














MULTIPLE CONNECTION



ACCESSORIES (TO BE ORDERED SEPARATELY)

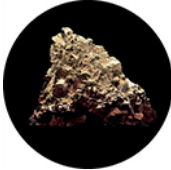







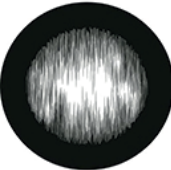

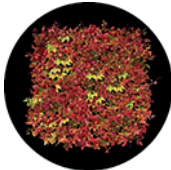

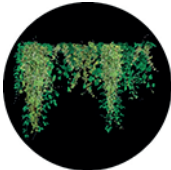







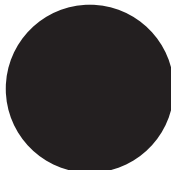
For the installation consult the instruction sheet.



ACCESSORIES	C - MICRO Ø1¼" (30mm)	M - MEDIUM Ø4¼" (116mm)
Metal gobo D02 Ø5/64" (2mm) 	<input type="checkbox"/>	
Metal gobo D03 Ø3/16" (3mm) 	<input type="checkbox"/>	
Metal gobo D04 Ø7/32" (4mm) 	<input type="checkbox"/>	
Metal gobo D05 Ø1/16" (5mm) 	<input type="checkbox"/>	
4 Shapes framer 		<input type="checkbox"/>
Metal gobo D30 Ø13/16" (30mm) 		<input type="checkbox"/>
Metal gobo D40 Ø15/16" (40mm) 		<input type="checkbox"/>
Diaphragm with spring on lens 		<input type="checkbox"/>
Support for adjustable gobos 		IX457 <input type="checkbox"/>
Iris 		IMXQ1 <input type="checkbox"/>
Colored glass filter  Use IX457 for installation		<div>ORANGE IX477-02 <input type="checkbox"/></div> <div>RED IX477-05 <input type="checkbox"/></div> <div>GREEN IX477-07 <input type="checkbox"/></div> <div>SKY BLUE IX477-09 <input type="checkbox"/></div> <div>BLUE IX477-16 <input type="checkbox"/></div>
Metal gobo light & shadow Ø 2" (53,3mm)  Use IX457 for installation		Your design* <input type="checkbox"/>
Metal gobo light & shadow Ø 2½" (67mm) 		Your design* <input type="checkbox"/>

*Contact factory for customized gobos

ACCESSORIES (TO BE ORDERED SEPARATELY)
For the installation consult the instruction sheet.

M - MEDIUM Ø4¾" (116mm)						
GLASS GOBOS - FULL COLOR OR BLACK & WHITE IMAGE Ø 2" (53,3mm)						
Save our planet Earth  IPC46 <input type="checkbox"/>	Save our planet Water  IPC47 <input type="checkbox"/>	Save our planet Air  IPC48 <input type="checkbox"/>	Save our planet Fire  IPC49 <input type="checkbox"/>	Save our planet Air - Linear  IPC50 <input type="checkbox"/>	Celebrating flows Air as movement Natural pattern  IPC51 <input type="checkbox"/>	Celebrating flows Air as Volumev  IPC52 <input type="checkbox"/>
Celebrating flows Air as Movement linear  IPC53 <input type="checkbox"/>	Celebrating flows Air as light Geometrical pattern  IPC54 <input type="checkbox"/>	Celebrating flows Air as colour Filler  IPC55 <input type="checkbox"/>	Biophilic design Covering  IPC56 <input type="checkbox"/>	Biophilic design Climbing  IPC57 <input type="checkbox"/>	Biophilic design Trailing  IPC58 <input type="checkbox"/>	Biophilic design Sprouting  IPC59 <input type="checkbox"/>
Biophilic design Blooming  IPC60 <input type="checkbox"/>	Creativity and humanity Air  IPC61 <input type="checkbox"/>	Creativity and humanity Bees  IPC62 <input type="checkbox"/>	Creativity and humanity Humanity  IPC63 <input type="checkbox"/>	Creativity and humanity Water  IPC64 <input type="checkbox"/>	Creativity and humanity Carbon  IPC65 <input type="checkbox"/>	Your design  CUSTOMIZED* <input type="checkbox"/>

*Contact factory for customized gobos

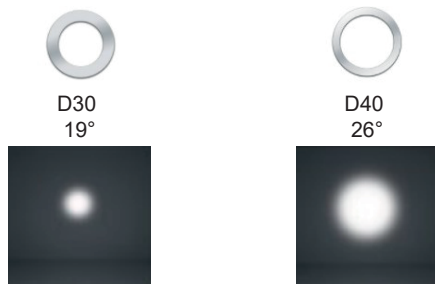
LUMEN MAINTENANCE

	C - MICRO Ø1¼" (30mm)	M - MEDIUM Ø4¾" (116mm)
L80 B10 T77°F (25°C)	56 000h	
L80 B10 T104°F (40°C)	56 000h	
L90 B10 T77°F (25°C)		100 000h

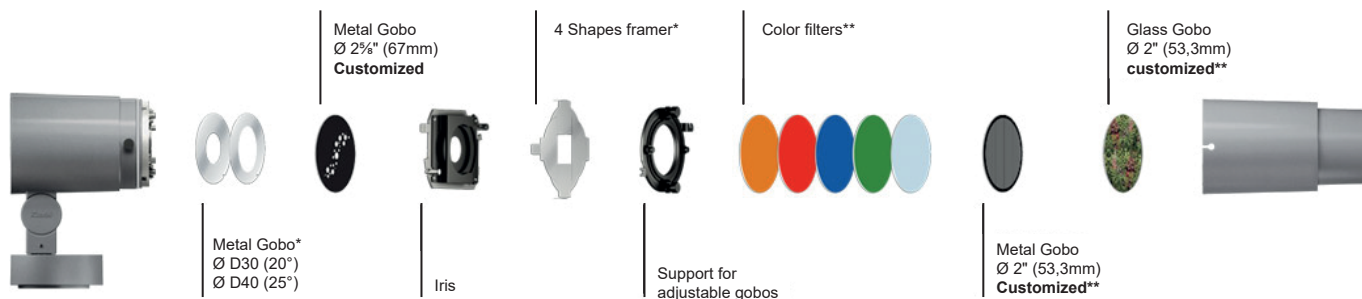
MICRO FRAMER'S INCLUDED METAL GOBOS



MEDIUM FRAMER'S INCLUDED METAL GOBOS



MEDIUM FRAMER PROFESSIONAL ACCESSORIES



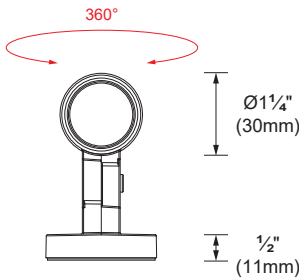
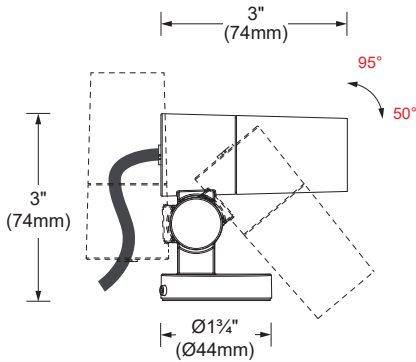
* Supplied with the luminaire.

** Installation is possible by using the support for adjustable gobos accessories.

DIMENSIONS

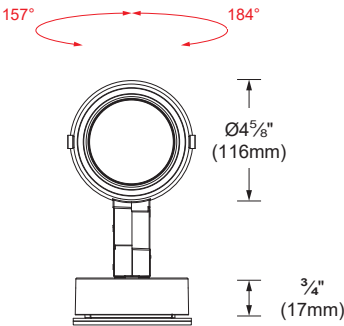
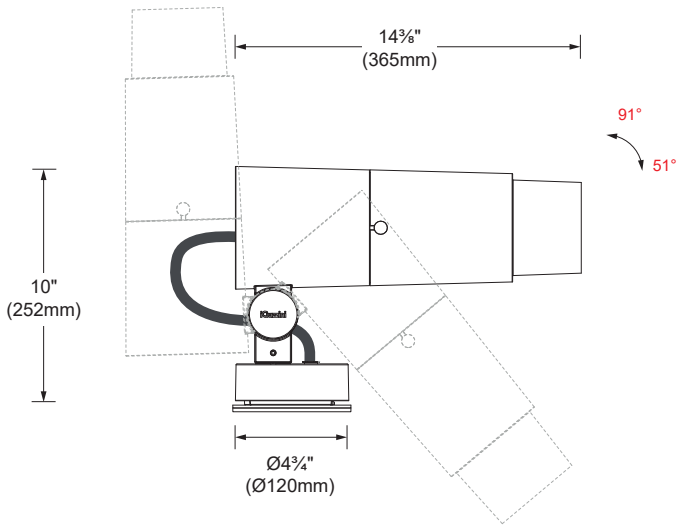
Low voltage with remote LED driver

C - MICRO
 Ø1¼" (30mm)



Line voltage version with integral LED driver

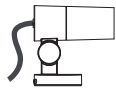
M - MEDIUM
 Ø4⅝" (116mm)



PHOTOMETRIC DATA

C - MICRO

Ø1 1/4" (30mm)

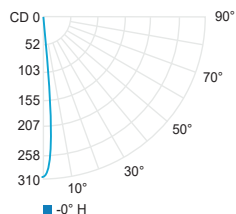


CCT (K)*	CRI	LOAD (W)	OPTIC	GOBO	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
3000K	80	2.5W	Framer	D02 (9°)	5.3	2	300	IPLCIO-C-830-FR
				D03 (13°)	10.7	4	272	IPLCIO-C-830-FR
				D04 (17°)	16.1	6	261	IPLCIO-C-830-FR
				D05 (22°)	18.8	7	246	IPLCIO-C-830-FR

Photometric data for remote luminaire. Load (W) information is for the luminaire without LED driver.

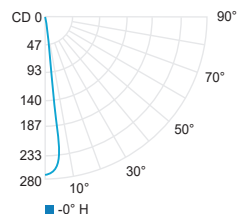
***USE MULTIPLIER TABLE FOR OTHER CCT AND CRI OUTPUT DATA**

D02 9° (3000K, 80CRI)



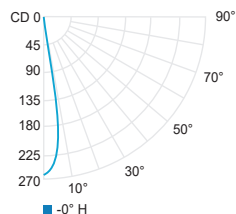
Center beam fc	Beam width ft
2ft	75.8
4ft	19.0
6ft	8.42
8ft	4.74
10ft	3.03
12ft	2.11

D03 13° (3000K, 80CRI)



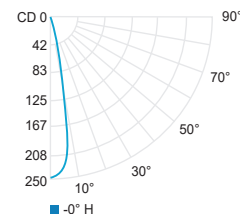
Center beam fc	Beam width ft
2ft	67.9
4ft	17.0
6ft	7.55
8ft	4.25
10ft	2.72
12ft	1.89

D04 17° (3000K, 80CRI)



Center beam fc	Beam width ft
2ft	65.2
4ft	16.3
6ft	7.25
8ft	4.08
10ft	2.61
12ft	1.81

D05 22° (3000K, 80CRI)



Center beam fc	Beam width ft
2ft	61.4
4ft	15.3
6ft	6.82
8ft	3.84
10ft	2.46
12ft	1.70

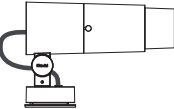
CCT options	2700K	3000K	4000K
CRI options	80CRI	80CRI	80CRI
Multiplier	0.96	1	1.01

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	79	89	97	78	79	87	83	59	10	76	76	73	81	99	73	84	97	0.421
3000K	79	89	97	79	79	85	85	61	10	74	77	69	81	98	73	85	96	0.491
4000K	81	92	96	79	81	87	85	64	12	79	77	64	84	98	76	84	93	0.708

PHOTOMETRIC DATA

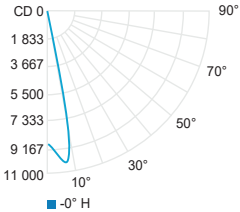
M - MEDIUM
Ø4 5/8" (116mm)



CCT (K)*	CRI	LOAD (W)	OPTIC	GOBO	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
3000K	80	28.5W	Framer	D30 (19°)	885	64	10 360	IPLCIO-M-830-FR
				D40 (26°)	1 383	64	10 088	IPLCIO-M-830-FR

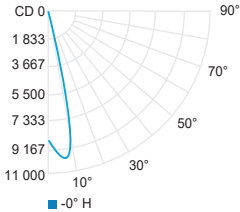
Photometric data for remote luminaire. Load (W) information is for the luminaire without LED driver.
*USE MULTIPLIER TABLE FOR OTHER CCT AND CRI OUTPUT DATA

D30 19° (3000K, 80CRI)



	Center beam fc	Beam width ft
2ft	2 267	0.6
4ft	567	1.1
6ft	252	1.7
8ft	142	2.2
10ft	90.7	2.8
12ft	63.0	3.4

D40 26° (3000K, 80CRI)



	Center beam fc	Beam width ft
2ft	2 199	0.8
4ft	550	1.6
6ft	244	2.3
8ft	137	3.1
10ft	88.0	3.9
12ft	61.1	4.7

CCT options	2700K	3000K	4000K
CRI options	80CRI	80CRI	80CRI
Multiplier	0.96	1	1.01

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	80	91	95	79	80	90	81	55	1	80	79	73	82	98	71	84	95	0.448
3000K	81	91	96	80	81	88	83	58	5	78	80	70	83	99	73	85	96	0.516
4000K	82	89	95	82	82	85	87	66	11	75	81	61	84	97	76	84	95	0.680