

Individual Spec Sheet

KOLIKA - R1KCL

LED ARCHITECTURAL RING SUSPENDED

4 CCT and 4 Power Selectable

Direct/Indirect Light Ratio Selectable

ORDERING INFORMATION

Order Code: 70337
Model Number: R1KCL-3LS1U-PS80-4CWH
UPC: 069549033924
Case Quantity: 1

PHYSICAL DATA

Size in. (cm): 35 3/8 (90)
Lens Material: Frosted polycarbonate
Housing Material: Powder coated extruded aluminum
Housing Finish: Matte white (RAL 9003)
Mounting: Suspended
Suspension Type: Aircraft cable
Suspension Length: 10 ft adjustable
Light Ratio: 4 integrated options:
 0 % indirect / 100 % direct, 30 % indirect / 70 % direct,
 40 % indirect / 60 % direct, 50 % indirect / 50 % direct

PERFORMANCE DATA

Watts (W): 50/60/70/80
Volts (V AC): 120-347
Color Temperature (K)¹: 3 000/3 500/4 000/5 000
Lumen Output (lm)^{2,3}: 4 137/4 924/5 758/6 535
Efficacy (lm/W): 83/82/82/82
CRI: 90
Life L70 (h)⁴: >54 000
Tested LM-80 (h)⁴: 9 000
Dimming: 0-10 V
Power Factor: >0.90
THD (%): <20
Frequency (Hz): 50/60
Surge Protection (kV): 2
Operating Temp. Range: -20 °C to 40 °C (-4 °F to 104 °F)

¹ Typical colour temperature range: +/- 5 %.

² Lumen values are derived from photometric testing. Initial lumens range: +/- 10 %.

³ Lumen values are based on 3 000 K, 100 % direct light default programming. Please refer to the LUMEN SPECIFICATION TABLE for more details on other color temperatures.

⁴ Life hours are derived from IESNA LM-80 testing report and projected per IESNA TM-21 extrapolations.



This lighting equipment meets requirements of ICES-005 issue 5 class B for use in residential applications at 120 V.
 This lighting equipment meets requirements of ICES-005 issue 5 class A for use in commercial applications for other voltages.
 Data is based upon tests performed in a controlled environment.
 Actual performance can vary depending on operating conditions. Specifications are subject to change without notice.

LUMEN SPECIFICATION TABLE

Direct

Watts	3 000 K		3 500 K		4 000 K		5 000 K	
(W)	Lumen output (lm)	Efficacy (lm/W)	Lumen output (lm)	Efficacy (lm/W)	Lumen output (lm)	Efficacy (lm/W)	Lumen output (lm)	Efficacy (lm/W)
0 % Indirect / 100 % Direct								
50	4 137	83	4 254	85	4 194	84	4 175	84
60	4 924	82	5 108	85	5 021	84	5 004	83
70	5 758	82	5 992	86	5 850	84	5 815	83
80	6 535	82	6 777	85	6 565	82	6 527	82

Direct/Indirect

Watts	3 000 K				3 500 K				4 000 K				5 000 K			
(W)	Total lumens (lm)	Indirect Light lumens (lm)	Direct Light lumens (lm)	Efficacy (lm/W)	Total lumens (lm)	Indirect Light lumens (lm)	Direct Light lumens (lm)	Efficacy (lm/W)	Total lumens (lm)	Indirect Light lumens (lm)	Direct Light lumens (lm)	Efficacy (lm/W)	Total lumens (lm)	Indirect Light lumens (lm)	Direct Light lumens (lm)	Efficacy (lm/W)
30 % Indirect / 70 % Direct																
50	3 669	1 101	2 568	73	3 698	1 109	2 589	74	3 661	1 098	2 563	73	3 664	1 099	2 565	73
60	4 346	1 304	3 042	72	4 447	1 334	3 113	74	4 399	1 320	3 079	73	4 411	1 323	3 088	74
70	5 054	1 516	3 538	72	5 193	1 558	3 635	74	5 111	1 533	3 578	73	5 103	1 531	3 572	73
80	5 665	1 700	3 966	71	5 771	1 731	4 040	72	5 739	1 722	4 017	72	5 734	1 720	4 014	72
40 % Indirect / 60 % Direct																
50	3 542	1 417	2 125	71	3 566	1 426	2 140	71	3 567	1 427	2 140	71	3 514	1 406	2 108	70
60	4 175	1 670	2 505	70	4 230	1 692	2 538	71	4 229	1 692	2 537	70	4 223	1 689	2 534	70
70	4 884	1 954	2 930	70	4 976	1 990	2 986	71	4 953	1 981	2 972	71	4 938	1 975	2 963	71
80	5 505	2 202	3 303	69	5 554	2 222	3 332	69	5 583	2 233	3 350	70	5 566	2 226	3 340	70
50 % Indirect / 50 % Direct																
50	3 434	1 717	1 717	69	3 440	1 720	1 720	69	3 465	1 733	1 733	69	3 462	1 731	1 731	69
60	3 790	1 895	1 895	63	4 125	2 063	2 063	69	4 153	2 077	2 077	69	4 150	2 075	2 075	69
70	4 672	2 336	2 336	67	5 171	2 586	2 586	74	5 100	2 550	2 550	73	5 095	2 548	2 548	73
80	5 886	2 943	2 943	74	5 442	2 721	2 721	68	5 511	2 756	2 756	69	5 492	2 746	2 746	69

DEFAULT PROGRAMMING

80 W / 3 000 K

0 % Indirect / 100 % Direct

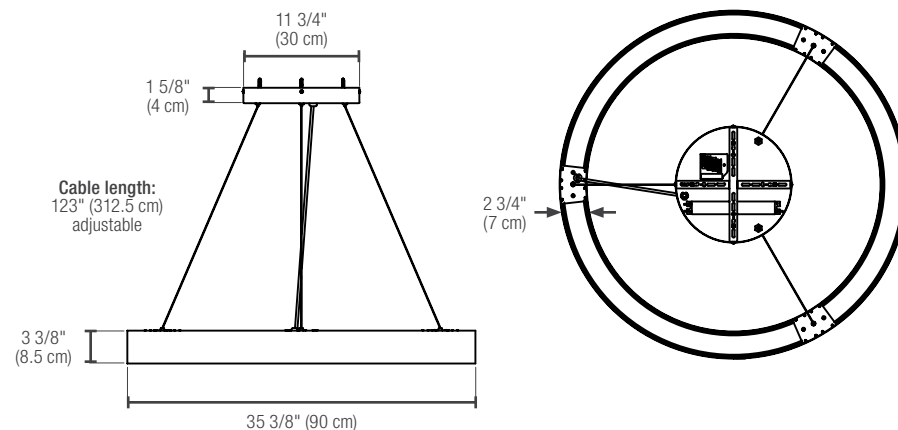
COMPATIBLE DIMMERS¹

Brand	Model
LUTRON	DIVA DVSTV, NOVA NTSTV DV
LEVITON	DD 710, AWSMT-7DW, DS 710
LEGRAND	RH4FBL3PTC, WS4FBL3P

Dimming range: 0 % - 100 %

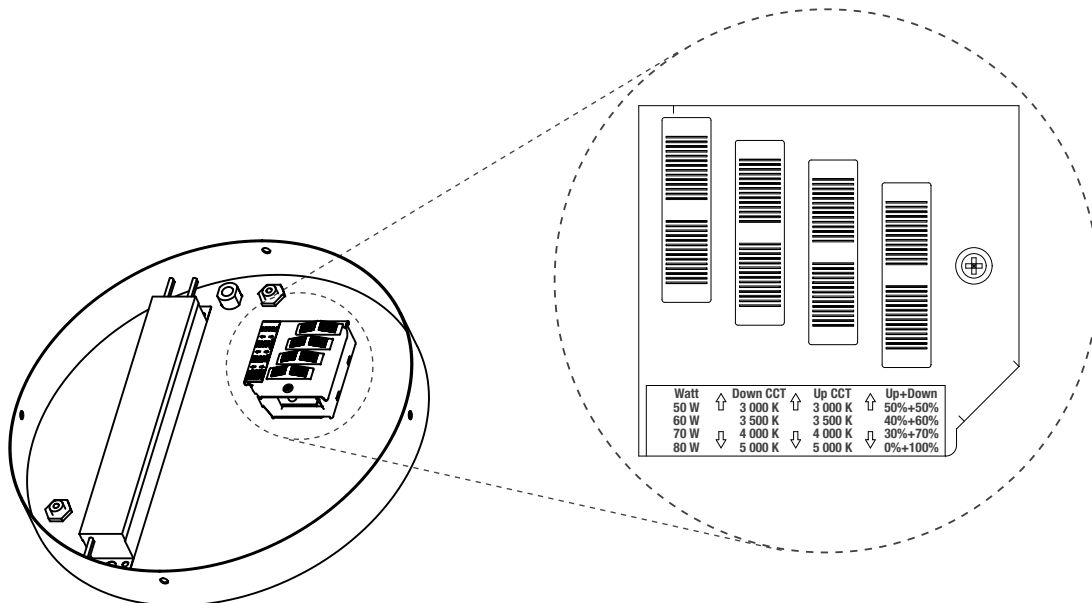
¹ This table shows dimmers that have been tested and have demonstrated proper operation under normal conditions. Each installation being unique, various factors such as load, common neutrals or other electrical products on the circuit can, in certain instances, cause variance in system performance. Read and comply to the dimmer installation instructions. Consult dimming system manufacturer for additional support in operation. Some dimmers may require more than one product for stable operation. Stanpro recommends to use dimmers designed to work with LED products. Older dimmers designed for incandescent products may cause erratic operation.

DIMENSIONS AND WEIGHT



Net weight (lbs)	17.6
------------------	------

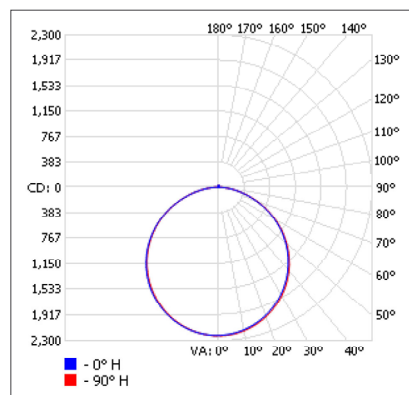
Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions. All products are subject to change or may be discontinued any time without notice. Please contact your Stanpro customer service representative to confirm inventory levels at time of order.



PHOTOMETRIC DATA¹

70337 • R1KCL-3LS1U-PS80-4CWH • 0% INDIRECT / 100% DIRECT • 80 W • 3 000 K • 6 534.9 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	1 733.1	26.5
0-40	2 845.4	43.5
0-60	5 060.6	77.4
60-90	1 418.6	21.7
70-100	609.6	9.3
90-120	14.5	0.2
0-90	6 479.2	99.1
90-180	55.7	0.9
0-180	6 534.9	100

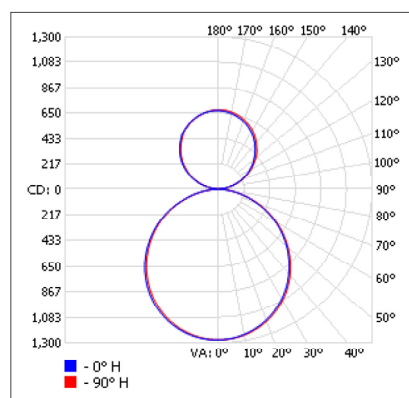
Illuminance at a distance

Center beam fc		Beam width	
1.7'	770	5.2'	5.2'
3.3'	204	10.1'	10.2'
5.0'	89.0	15.3'	15.4'
6.7'	49.5	20.5'	20.6'
8.3'	32.3	25.5'	25.6'
10.0'	22.2	30.7'	30.8'

■ Vert. spread: 113.8°
■ Horiz. spread: 114.0°

70337 • R1KCL-3LS1U-PS80-4CWH • 30% INDIRECT / 70% DIRECT • 80 W • 3 000 K • 5 664.6 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	993.1	17.5
0-40	1 630.5	28.8
0-60	2 900.8	51.2
60-90	822.5	14.5
70-100	388.0	6.8
90-120	415.1	7.3
0-90	3 723.3	65.7
90-180	1 941.3	34.3
0-180	5 664.6	100

Illuminance at a distance

Center beam fc		Beam width	
1.7'	441	5.2'	5.2'
3.3'	117	10.2'	10.2'
5.0'	51.0	15.4'	15.4'
6.7'	28.4	20.7'	20.6'
8.3'	18.5	25.6'	25.6'
10.0'	12.7	30.9'	30.8'

■ Vert. spread: 114.1°
■ Horiz. spread: 114.0°

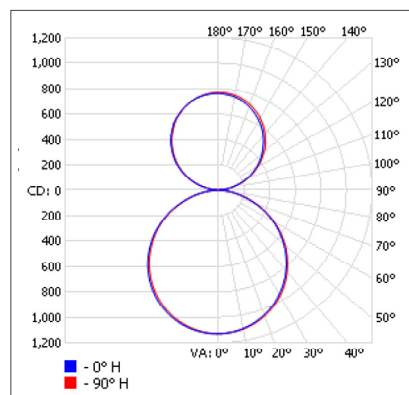
¹ Complete IES files available on our website.

Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions. All products are subject to change or may be discontinued any time without notice. Please contact your Stanpro customer service representative to confirm inventory levels at time of order.

PHOTOMETRIC DATA¹

70337 • R1KCL-3LS1U-PS80-4CWH • 40% INDIRECT / 60% DIRECT • 80 W • 3 000 K • 5 504.7 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	879.8	16
0-40	1 444.4	26.2
0-60	2 569.9	46.7
60-90	730.5	13.3
70-100	353.8	6.4
90-120	472.5	8.6
0-90	3 300.3	60
90-180	2 204.3	40
0-180	5 504.7	100

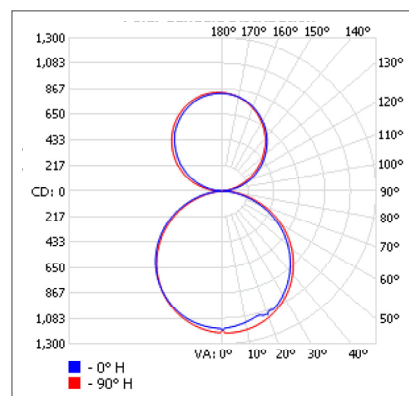
Illuminance at a distance

Center beam fc		Beam width	
1.7'	391	5.3'	5.2'
3.3'	104	10.2'	10.2'
5.0'	45.2	15.4'	15.4'
6.7'	25.2	20.7'	20.6'
8.3'	16.4	25.6'	25.6'
10.0'	11.3	30.9'	30.8'

■ Vert. spread: 114.1°
■ Horiz. spread: 114.0°

70337 • R1KCL-3LS1U-PS80-4CWH • 50% INDIRECT / 50% DIRECT • 80 W • 3 000 K • 5 886.0 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	929.4	15.8
0-40	1 529.0	26
0-60	2 724.8	46.3
60-90	779.6	13.2
70-100	386.5	6.6
90-120	512.2	8.7
0-90	3 504.4	59.5
90-180	2 381.7	40.5
0-180	5 886.0	100

Illuminance at a distance

Center beam fc		Beam width	
1.7'	410	5.2'	5.2'
3.3'	109	10.2'	10.2'
5.0'	47.4	15.2'	15.4'
6.7'	26.4	20.4'	20.6'
8.3'	17.2	25.3'	25.6'
10.0'	11.8	30.4'	30.8'

■ Vert. spread: 113.4°
■ Horiz. spread: 114.0°

¹ Complete IES files available on our website.

Qty	Description	Price

I accept the specifications of the luminaire configuration mentioned above.

Name: _____

Company: _____

Signature: _____

Date: _____

Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions. All products are subject to change or may be discontinued any time without notice. Please contact your Stanpro customer service representative to confirm inventory levels at time of order.