

Individual Spec Sheet

KOLIKA - R1KCL

LED ARCHITECTURAL RING SUSPENDED

4 CCT and 4 Power Selectable

Direct/Indirect Light Ratio Selectable

ORDERING INFORMATION

Order Code: 70339
Model Number: R1KCL-4LS1U-PS100-4CWH
UPC: 069549033948
Case Quantity: 1

PHYSICAL DATA

Size in. (cm): 47 1/4 (120)
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): 60/80/90/100
Volts (V AC): 120-347
Color Temperature (K)¹: 3 000/3 500/4 000/5 000
Lumen Output (lm)^{2,3}: 4 974/6 522/7 425/8 306
Efficacy (lm/W): 83/82/83/83
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								
60	4 974	83	5 147	86	5 114	85	5 114	85
80	6 522	82	6 797	85	6 690	84	6 597	82
90	7 425	83	7 789	87	7 640	85	7 535	84
100	8 306	83	8 827	88	8 551	86	8 417	84

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																
60	4 413	1 324	3 089	74	4 522	1 357	3 165	75	4 514	1 354	3 160	75	4 478	1 343	3 135	75
80	5 829	1 749	4 080	73	6 012	1 804	4 208	75	5 965	1 790	4 176	75	5 906	1 772	4 134	74
90	6 662	1 999	4 663	74	6 905	2 072	4 834	77	6 838	2 051	4 787	76	6 770	2 031	4 739	75
100	7 548	2 264	5 284	75	7 849	2 355	5 494	78	7 735	2 321	5 415	77	7 657	2 297	5 360	77
40 % Indirect / 60 % Direct																
60	4 271	1 708	2 563	71	4 338	1 735	2 603	72	4 374	1 750	2 624	73	4 338	1 735	2 603	72
80	5 656	2 262	3 394	71	5 782	2 313	3 469	72	5 802	2 321	3 481	73	5 741	2 296	3 445	72
90	6 488	2 595	3 893	72	6 652	2 661	3 991	74	6 652	2 661	3 991	74	6 623	2 649	3 974	74
100	7 339	2 936	4 403	73	7 562	3 025	4 537	76	7 541	3 016	4 525	75	7 458	2 983	4 475	75
50 % Indirect / 50 % Direct																
60	4 212	2 106	2 106	70	4 257	2 129	2 129	71	4 310	2 155	2 155	72	4 271	2 136	2 136	71
80	5 591	2 796	2 796	70	5 685	2 843	2 843	71	5 731	2 866	2 866	72	5 666	2 833	2 833	71
90	6 396	3 198	3 198	71	6 534	3 267	3 267	73	6 586	3 293	3 293	73	6 518	3 259	3 259	72
100	7 251	3 626	3 626	73	7 431	3 716	3 716	74	7 449	3 725	3 725	74	7 357	3 679	3 679	74

DEFAULT PROGRAMMING

100 W / 3 000 K

0 % Indirect / 100 % Direct

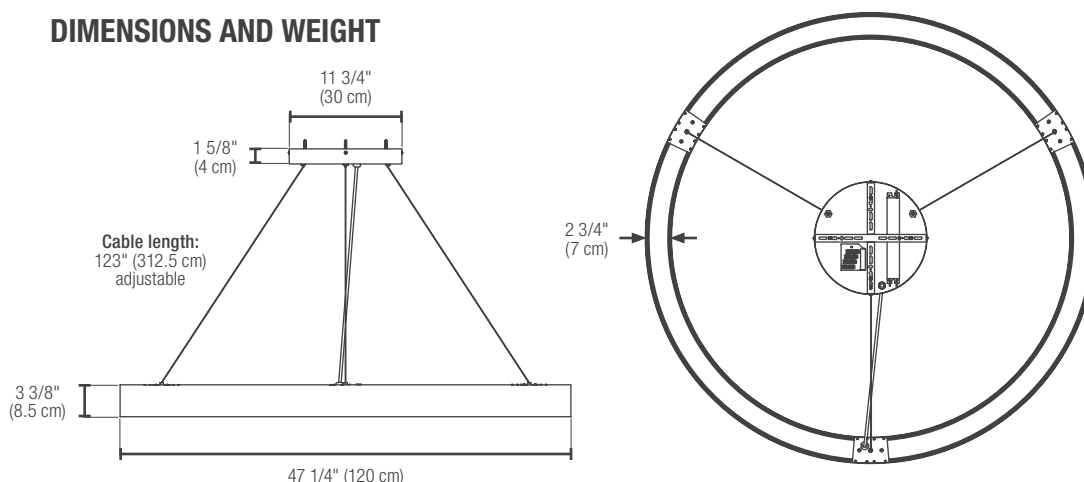
COMPATIBLE DIMMERS¹

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

Dimming range: 0 % - 100 %

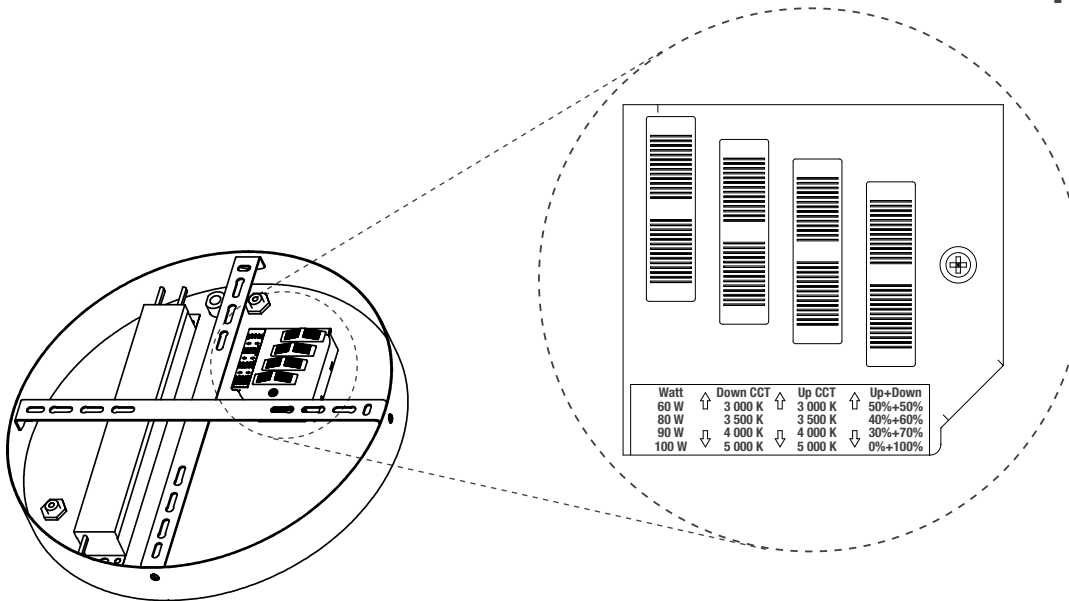
¹ This table shows dimmers that have been tested and have demonstrated proper operation under normal conditions. Each installation being unique, various factors such as load, common neutrals or other electrical products on the circuit can, in certain instances, cause variance in system performance. Read 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)	20.9
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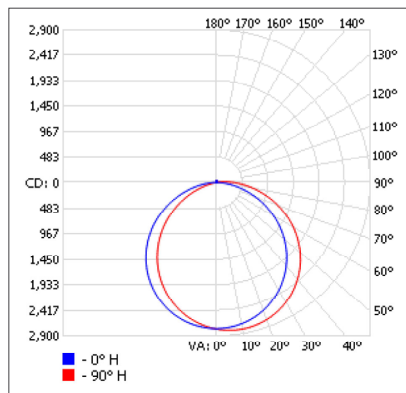
Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions. All products are subject to change or may be discontinued any time without notice. Please contact your Stanpro customer service representative to confirm inventory levels at time of order.



PHOTOMETRIC DATA¹

70339 • R1KCL-4LS1U-PS100-4CWH • 0 % INDIRECT / 100 % DIRECT • 100 W • 3 000 K • 8 305.5 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	2 158.1	26
0-40	3 546.0	42.7
0-60	6 320.1	76.1
60-90	1 875.8	22.6
70-100	885.9	10.7
90-120	54.8	0.7
0-90	8 195.9	98.7
90-180	109.7	1.3
0-180	8 305.5	100

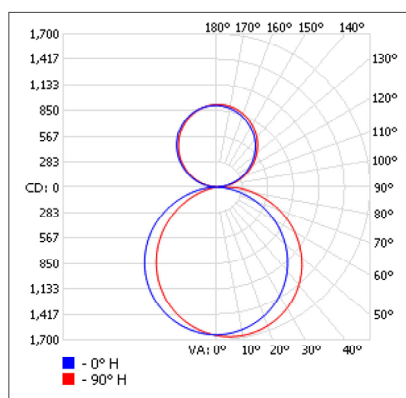
Illuminance at a distance

Center beam fc		Beam width	
1.7'	957	5.3'	5.3'
3.3'	254	10.3'	10.2'
5.0'	111	15.6'	15.5'
6.7'	61.6	20.9'	20.7'
8.3'	40.1	25.9'	25.7'
10.0'	27.7	31.2'	30.9'

■ Vert. spread: 114.6°
■ Horiz. spread: 114.2°

70339 • R1KCL-4LS1U-PS100-4CWH • 30 % INDIRECT / 70 % DIRECT • 100 W • 3 000 K • 7 548.2 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	1 284.4	17
0-40	2 111.1	28
0-60	3 765.4	49.9
60-90	1 133.5	15
70-100	567.5	7.5
90-120	576.7	7.6
0-90	4 898.9	64.9
90-180	2 649.3	35.1
0-180	7 548.2	100

Illuminance at a distance

Center beam fc		Beam width	
1.7'	569	5.3'	5.3'
3.3'	151	10.3'	10.2'
5.0'	65.8	15.7'	15.5'
6.7'	36.7	21.0'	20.8'
8.3'	23.9	26.0'	25.7'
10.0'	16.5	31.3'	31.0'

■ Vert. spread: 114.9°
■ Horiz. spread: 114.4°

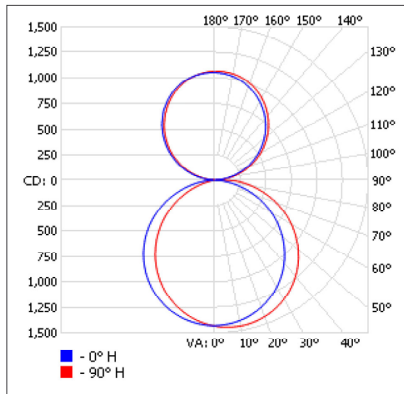
¹ Complete IES files available on our website.

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PHOTOMETRIC DATA¹

70339 • R1KCL-4LS1U-PS100-4CWH • 40 % INDIRECT / 60 % DIRECT • 100 W • 3 000 K • 7 338.8 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	1 116.5	15.2
0-40	1 835.2	25
0-60	3 273.7	44.6
60-90	989.6	13.5
70-100	508.9	6.9
90-120	665.6	9.1
0-90	4 263.3	58.1
90-180	3 075.5	41.9
0-180	7 338.8	100

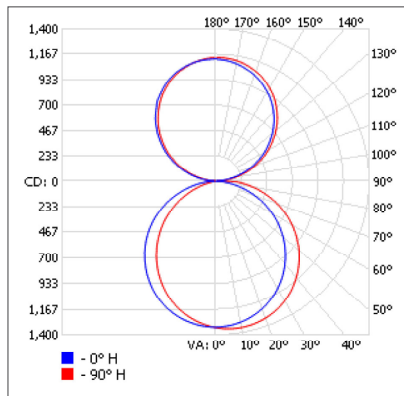
Illuminance at a distance

Center beam fc		Beam width	
1.7'	495	5.3'	5.3'
3.3'	131	10.4'	10.2'
5.0'	57.2	15.7'	15.5'
6.7'	31.9	21.1'	20.8'
8.3'	20.8	26.1'	25.7'
10.0'	14.3	31.4'	31.0'

■ Vert. spread: 115.1°
■ Horiz. spread: 114.4°

70339 • R1KCL-4LS1U-PS100-4CWH • 50 % INDIRECT / 50 % DIRECT • 100 W • 3 000 K • 7 250.9 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	1 038.9	14.3
0-40	1 707.7	23.6
0-60	3 046.7	42
60-90	923.7	12.7
70-100	482.3	6.7
90-120	708.2	9.8
0-90	3 970.4	54.8
90-180	3 280.5	45.2
0-180	7 250.9	100

Illuminance at a distance

Center beam fc		Beam width	
1.7'	461	5.3'	5.3'
3.3'	122	10.4'	10.2'
5.0'	53.3	15.7'	15.5'
6.7'	29.7	21.1'	20.8'
8.3'	19.3	26.1'	25.8'
10.0'	13.3	31.5'	31.0'

■ Vert. spread: 115.1°
■ Horiz. spread: 114.4°

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: _____

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