STANPRO

Project: _____ Type: _____

Drawn by: _____ Catalogue #: _____ Date: _____

Individual Spec Sheet

KOLIKA - R1KCL

LED ARCHITECTURAL RING SUSPENDED

4 CCT and 4 Power Selectable
Direct/Indirect Light Ratio Selectable

ORDERING INFORMATION

Order Code:	70340
Model Number:	R1KCL-4LS1U-PS100-4CBK
UPC:	069549033955
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 black (RAL 9011)
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]:	4 127/5 442/6 216/6 943
Efficacy (lm/W):	69/68/69/69
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.

4 CCT TCC
3 000/3 500/4 000/5 000 K

power *selectable*

5 yrs warranty

quick *ship*

LED *fixture*

damp *location*

direct / indirect *light*

ICES *005*

CERTIFIED

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.

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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	4 127	69	4 127	69	4 127	69	4 127	69
80	5 442	68	5 442	68	5 442	68	5 442	68
90	6 216	69	6 216	69	6 216	69	6 216	69
100	6 943	69	6 943	69	6 943	69	6 943	69

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)	Efficiency (lm/W)	Total lumens (lm)	Indirect Light lumens (lm)	Direct Light lumens (lm)	Efficiency (lm/W)	Total lumens (lm)	Indirect Light lumens (lm)	Direct Light lumens (lm)	Efficiency (lm/W)	Total lumens (lm)	Indirect Light lumens (lm)	Direct Light lumens (lm)	Efficiency (lm/W)
30 % Indirect / 70 % Direct																
60	3 682	1 105	2 577	61	3 682	1 105	2 577	61	3 682	1 105	2 577	61	3 682	1 105	2 577	61
80	4 860	1 458	3 402	61	4 860	1 458	3 402	61	4 860	1 458	3 402	61	4 860	1 458	3 402	61
90	5 570	1 671	3 899	62	5 570	1 671	3 899	62	5 570	1 671	3 899	62	5 570	1 671	3 899	62
100	6 285	1 886	4 400	63	6 285	1 886	4 400	63	6 285	1 886	4 400	63	6 285	1 886	4 400	63
40 % Indirect / 60 % Direct																
60	3 566	1 426	2 140	59	3 566	1 426	2 140	59	3 566	1 426	2 140	59	3 566	1 426	2 140	59
80	4 718	1 887	2 831	59	4 718	1 887	2 831	59	4 718	1 887	2 831	59	4 718	1 887	2 831	59
90	5 404	2 162	3 242	60	5 404	2 162	3 242	60	5 404	2 162	3 242	60	5 404	2 162	3 242	60
100	6 132	2 453	3 679	61	6 132	2 453	3 679	61	6 132	2 453	3 679	61	6 132	2 453	3 679	61
50 % Indirect / 50 % Direct																
60	3 512	1 756	1 756	59	3 512	1 756	1 756	59	3 512	1 756	1 756	59	3 512	1 756	1 756	59
80	4 652	2 326	2 326	58	4 652	2 326	2 326	58	4 652	2 326	2 326	58	4 652	2 326	2 326	58
90	5 329	2 665	2 665	59	5 329	2 665	2 665	59	5 329	2 665	2 665	59	5 329	2 665	2 665	59
100	6 047	3 024	3 024	60	6 047	3 024	3 024	60	6 047	3 024	3 024	60	6 047	3 024	3 024	60

DEFAULT PROGRAMMING
100 W / 3 000 K
0 % Up / 100 % Down

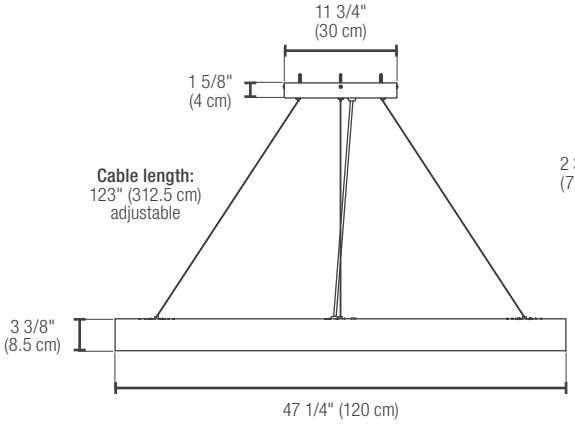
COMPATIBLE DIMMERS[1]

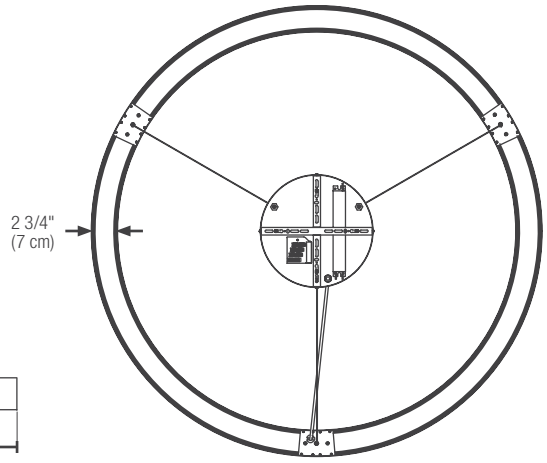
Brand	Model
LUTRON	DIVA DVSTV, NOVA NTSTV DV
LEVITON	DD 710, AWSMT-7DW, DS 710
LEGRAND	RH4FBL3PTC, WS4FBL3P

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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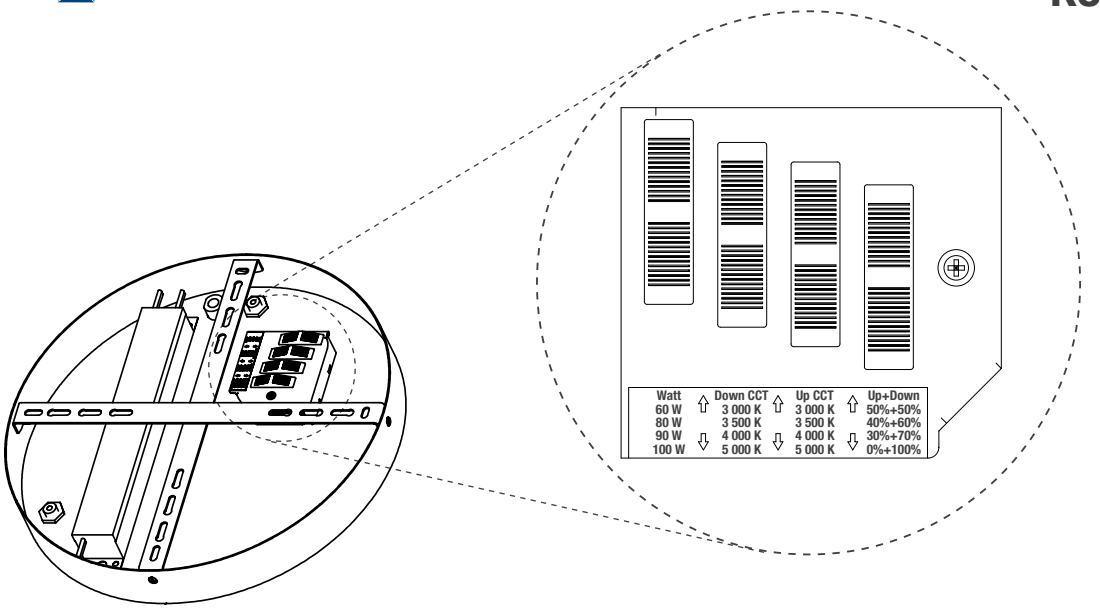
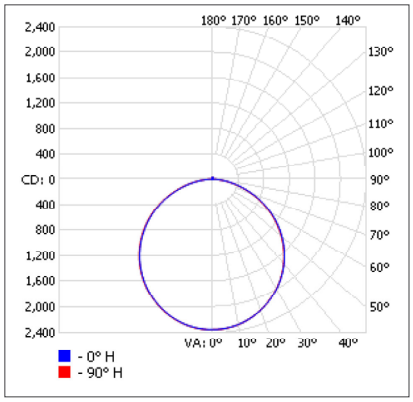


PHOTOMETRIC DATA[1]

70340 • R1KCL-4LS1U-PS100-4CBK • 0 % INDIRECT / 100 % DIRECT • 100 W • 3 000 K • 6 943.1 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	1 835.2	26.4
0-40	3 015.1	43.4
0-60	5 369.7	77.3
60-90	1 512.8	21.8
70-100	650.8	9.4
90-120	16.7	0.2
0-90	6 882.4	99.1
90-180	60.7	0.9
0-180	6 943.1	100

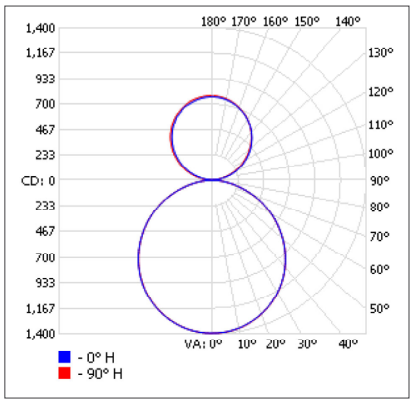
Illuminance at a distance

	Center beam fc	Beam width	
1.7'	814	5.3'	5.3'
3.3'	216	10.2'	10.2'
5.0'	94.1	15.5'	15.5'
6.7'	52.4	20.8'	20.8'
8.3'	34.2	25.7'	25.7'
10.0'	23.5	31.0'	31.0'

Vert. spread : 114.3°
Horiz. spread : 114.3°

70340 • R1KCL-4LS1U-PS100-4CBK • 30 % INDIRECT / 70 % DIRECT • 100 W • 3 000 K • 6 285.3 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	1 087.2	17.3
0-40	1 786.3	28.4
0-60	3 181.0	50.6
60-90	900.9	14.3
70-100	420.9	6.7
90-120	462.1	7.4
0-90	4 081.9	64.9
90-180	2 203.4	35.1
0-180	6 285.3	100

Illuminance at a distance

	Center beam fc	Beam width	
1.7'	482	5.3'	5.3'
3.3'	128	10.2'	10.2'
5.0'	55.8	15.5'	15.5'
6.7'	31.1	20.8'	20.8'
8.3'	20.2	25.8'	25.7'
10.0'	13.9	31.1'	31.0'

Vert. spread : 114.4°
Horiz. spread : 114.3°

[1] Complete IES files available on our website.

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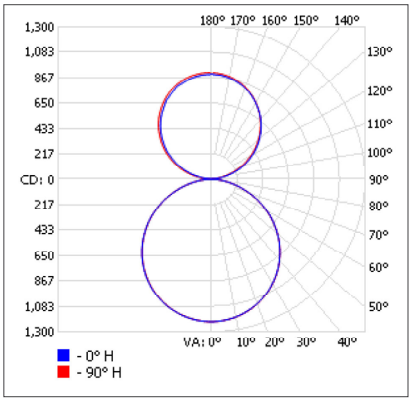
PHOTOMETRIC DATA[1]

70340 • R1KCL-4LS1U-PS100-4CBK • 40 % INDIRECT / 60 % DIRECT • 100 W • 3 000 K • 6 132.3 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	946.8	15.4
0-40	1 555.6	25.4
0-60	2 770.2	45.2
60-90	785.8	12.8
70-100	375.9	6.1
90-120	537.3	8.8
0-90	3 556.0	58
90-180	2 576.4	42
0-180	6 132.3	100

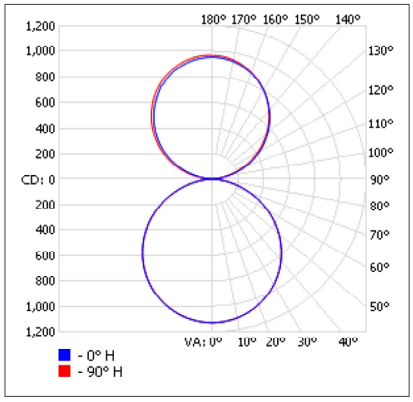
Illuminance at a distance

	Center beam fc	Beam width	
1.7'	420	5.3'	5.3'
3.3'	111	10.3'	10.2'
5.0'	48.6	15.5'	15.5'
6.7'	27.0	20.8'	20.8'
8.3'	17.6	25.8'	25.7'
10.0'	12.1	31.1'	31.0'

Vert. spread : 114.4°
Horiz. spread : 114.3°

70340 • R1KCL-4LS1U-PS100-4CBK • 50 % INDIRECT / 50 % DIRECT • 100 W • 3 000 K • 6 046.9 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	880.1	14.6
0-40	1 446.0	23.9
0-60	2 574.9	42.6
60-90	731.1	12.1
70-100	354.6	5.9
90-120	570.7	9.4
0-90	3 306.1	54.7
90-180	2 740.8	45.3
0-180	6 046.9	100

Illuminance at a distance

	Center beam fc	Beam width	
1.7'	391	5.3'	5.3'
3.3'	104	10.2'	10.2'
5.0'	45.1	15.5'	15.5'
6.7'	25.1	20.8'	20.7'
8.3'	16.4	25.8'	25.7'
10.0'	11.3	31.1'	31.0'

Vert. spread : 114.4°
Horiz. spread : 114.3°

[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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