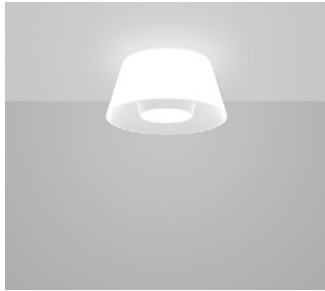


KONE3 SMALL OPAL LED SEMI-RECESSED LUMINAIRE

**DELRAY
LIGHTING
INCORPORATED**

**KONE3
KLS31**

A-Line LED



TYPE:

PROJECT:

ORDER NUMBER:

Model #	Lumens	LEDs	Dimming	Option	Voltage*
KLS31	2 -2000	W30	D1	EM*	120
	3 -3000	W35	D9A		277
		W40	D11		347

*Voltage must be specified.

HOUSING ASSEMBLY

- Pre-coated galvanized steel mounting frame and J-box.
- Telescopic bar hangers supplied, provides for off-center mounting on joists or T-bar.
- Ground wire included (prewired).

GLASS

- Hand blown opal glass outer shade with inner downlight.

LED DRIVERS

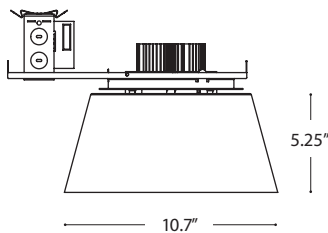
- Standard drivers are constant current, with 0-10V dimming to 15%.
- Driver housed inside canopy for easy access.
- Emergency Battery Pack (**EM**) provides 7W for 90 mins. Voltage must be specified. Red light and test switch mounts in ceiling, in single gang J-box.
- cU.L. listed for dry locations.

A-LINE LEDs

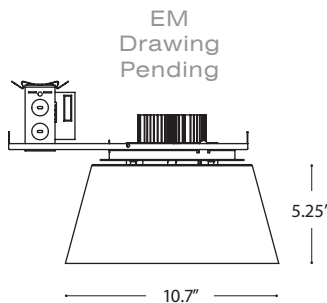
- Cree LED modules feature opal diffusers that provide the appearance of an A-lamp from below.
- Available in 21W/2000 Lumens and 31W/3000 Lumens.
- Available in three white color temperatures:
W30 (3000° K), **W35** (3500° K), and **W40** (4000° K).
- CRI = 92, R9 = 72
- Dimming available for both Lumen outputs and all color temperatures.
- 50,000 hour LED life

KLS312 LED
2,000 lumens

KLS313 LED
3,000 lumens



EM
Emergency
Battery Pack

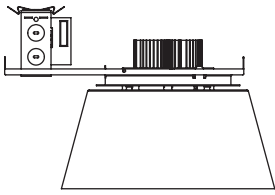
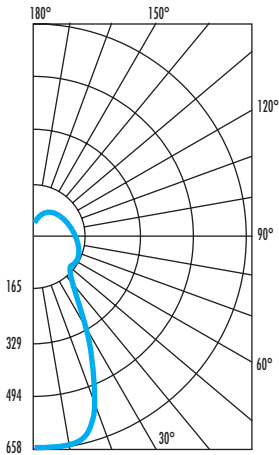


Specify LED color:

- W30**-White (3000° K)
- W35**-White (3500° K)
- W40**-White (4000° K)

**BURBANK,
CALIFORNIA,
91505
WWW.
DELRAY
LIGHTING.
COM**

MAY 2017

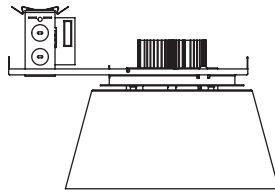
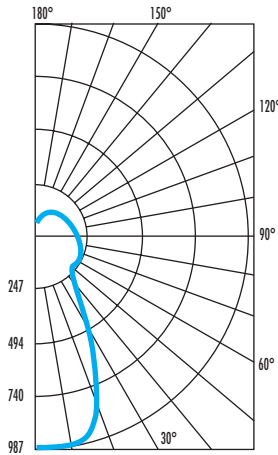
21W**KLS312.W35****CP DISTRIBUTION****COEFFICIENTS**

% CEILING 80 (20% FLOOR)	% WALL 70 (20% FLOOR)		
	70	50	30
0	114	114	114
1	102	96	91
2	92	83	76
3	84	74	65
4	78	66	57
5	72	59	50
6	67	54	45
7	62	49	41
8	58	45	37
9	55	42	34
10	52	39	32

NOTES**KLS312.W35**

21W 3500° K LED
 Total lumens: 2,000
 Total luminaire efficacy: 91%

NOTE: Aircraft cable suspension is not recommended for outdoor use, where fixture will be exposed to water, or subject to wind oscillation. Avoid use near HVAC vents and in environments with corrosive chemical vapors, such as swimming pools.

31W**KLS313.W35****CP DISTRIBUTION****COEFFICIENTS**

% CEILING 80 (20% FLOOR)	% WALL 70 (20% FLOOR)		
	70	50	30
0	114	114	114
1	102	96	91
2	92	83	76
3	84	74	65
4	78	66	57
5	72	59	50
6	67	54	45
7	62	49	41
8	58	45	37
9	55	42	34
10	52	39	32

NOTES**KLS313.W35**

31W 3500° K LED
 Total lumens: 3,000
 Total luminaire efficacy: 91%

KLS31 – LED

These LED luminaires that provide conventional footcandle levels $\leq 1.4\text{W/FT}^2$.

Featuring Cree LMH modules feature opal diffusers that provide the appearance of an A-lamp from below. Available in three white color temperatures: **W30** (3000° K), **W35** (3500° K), and **W40** (4000° K); matching the traditional CCT of existing incandescent and fluorescent lamps. CRI=92, R9=72.

cUL rated for dry locations only.

LM-79 TEST SUMMARY – KLS312.W35

Driver:	Cree LMH2
Total Lumens:	2264
Input Power (W):	35.8
Efficacy:	91%
Color Rendering Index (CRI):	89

CREE LMH2 LED MODULE

These modules are durable, field replaceable, and have been Tempo tested by Cree to ensure optimum performance.

DIMMING**STANDARD DIMMING**

Energy management, dim to 15%, 0–10V.

DIMMING OPTIONS

D1—ERP driver dims to 5%. Use 0–10V dimmer, purple and gray wires.

D9A—Lutron Hi-Lume A-Series **L3DA4U1UK** LED driver (1%). EcoSystem (3-wire) control.

D11—Lutron EcoSystem H-Series **LDE14U1UK** LED driver ($\leq 1\%$). Purple/purple-gray wire control.