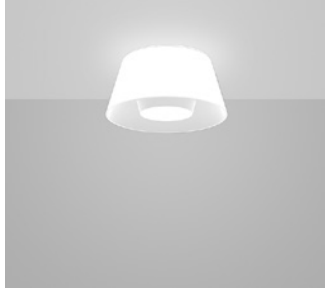


KONE3 SMALL OPAL LED SEMI-RECESSED LUMINAIRE

**DELRAY
LIGHTING
INCORPORATED**

**KONE3
KLS31**



TYPE:

PROJECT:

ORDER NUMBER:

Model #	Lumens	LEDs	Dimming	Option	Voltage*
KLS31	2 –2000	W30	D9	EM*	120
	3 –3000	W35	D11		277
		W40			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 1%.
- 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.

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

Specify LED color:

W30–White (3000° K)

W35–White (3500° K)

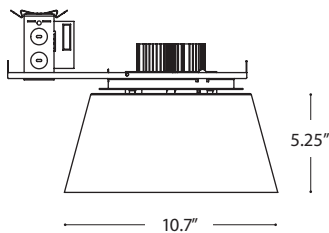
W40–White (4000° K)

KLS312 LED

2,000 lumens

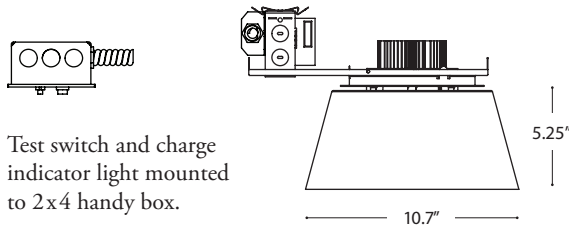
KLS313 LED

3,000 lumens



EM

Emergency Battery Pack

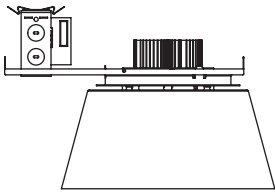


Test switch and charge indicator light mounted to 2x4 handy box.

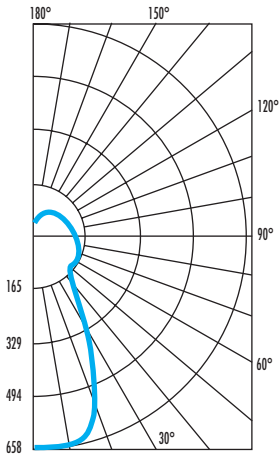
**BURBANK,
CALIFORNIA,
91505
WWW.
DELRAY
LIGHTING.
COM**

21W

KLS312.W35



CP DISTRIBUTION



COEFFICIENTS

% WALL	% CEILING 80 (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

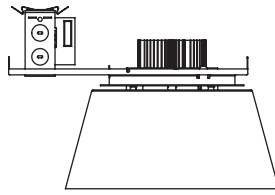
KLS312.W35

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

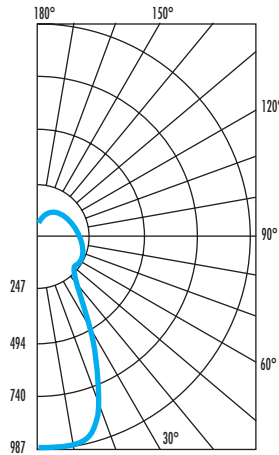
NOTE: Aircraft cable suspension is not recommended for outdoor use, where fixture will be exposed to water, or subject to wind oscillation. Avoid use near HVAC vents and in environments with corrosive chemical vapors, such as swimming pools.

31W

KLS313.W35



CP DISTRIBUTION



COEFFICIENTS

% WALL	% CEILING 80 (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 $\leq 1.4\text{W}/\text{FT}^2$.

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

120/277V, 50/60 Hz, 0–10V, dims to 1%.

DIMMING OPTIONS

D9–Lutron Hi-Lume L3DA Series 3-wire. Dims to 1%.

D11–Lutron EcoSystem LDE14 Series. Dims to 1%. Fade to off.