

Revelation LED
IC4LED

4" LED 1000 Lumen
IC Rated Open Downlight



Specifier's Reference

Project
Type
Model No.
Comments

application

- The IC4LED specification grade recessed downlight is UL Listed for direct contact with ceiling insulation. Ideal for application requiring a balance of efficiency, performance and even illumination.

light engine

- Mixing chamber/optical assembly: Remote phosphor technology provides increased efficiency and color stability by redirecting back reflected light. Phosphor lens assembly converts high brightness blue light into white light for an even, diffused pattern, eliminating bright spots often created by individual LEDs. This technology provides consistent, stable color with CCT color control of +/- 100K over the life of the light engine and provides 20% higher efficiency.
- LED Array: The LED Array consists of a metal core circuit board with 16 high brightness royal blue LEDs.
- Color: Available in three CCT options, 3000K, 3500K or 4000K with 80CRI +/-2%.
- Electrical: The power supply/driver features Advance Intelli-volt 120-277VAC 50/60hz, standard dimming driver with 0-10V analog dimming capability. The power supply is overload and short circuit protected as well as thermally regulated to prevent overheating. Sound rating A. Refer to dimming compatibility spec sheet for complete details. Driver has rated lifetime of 50,000 hours. For more detailed information on the Lutron Hi-Lume A Series dimming driver visit www.lutron.com.
- Lifetime/Lumen Maintenance: 50,000 hour lifetime at 70% lumen maintenance light engine.

construction

- Thermal Management: A proprietary die-cast aluminum heat sink allows for easy and tool-less installation to the housing yoke. The heat sink is designed to properly maintain junction temperatures in recessed IC applications to provide reliable performance over the life

of the light engine. The heat sink incorporates alignment tabs to properly position with the housing. Rust resistant springs are used to secure the reflector to the light engine. Fixtures should not operated or exceed ambient temperature above 40°C.

- Housing: Precision die stamped 18ga galvanized steel mounting pan and yoke assembly. Allows for ceiling thickness up to 1-3/8". Yoke supports weight of heat sink and light engine assembly to prevent stress on finished reflector.
- Reflector: Precision spun .050 aluminum reflectors are self flanged and snap to heat sink for consistent alignment to the optical assembly. Provides 50 degree visual cutoff to source and source image.
- Junction Box: 16 ga galvanized steel. UL listed for 6 No. 12 AWG, 90C through branch circuit conductors. Allows inspection below ceiling.
- Service: Modular construction allows for easy maintenance of complete system below ceiling. Removing reflector provides easy access to heat sink and light engine assembly. This assembly may be removed by de-pressing the springs which attach to the yoke and then simply opening protective cover and unplugging the push in connector from the LED board.

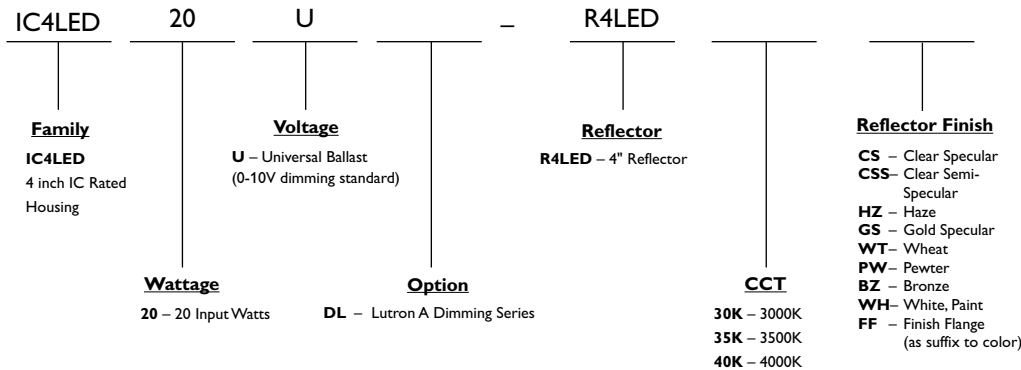
listings & warranty

- ETL, cUL Listed (suitable for wet location)
- LED life calculations are based upon application junction temperatures an driver currents at or below IESNA - LM-80-08 manufacturer's test data. IES test performed per IESNA - LM-79-08.
- 5 year Warranty

Green Choice: IC4LED20U-R4LED30KCS

HOUSING

LIGHT ENGINE - REFLECTOR



General Notes

Lumen output varies depending on CCT.
Refer to specific IES files for details

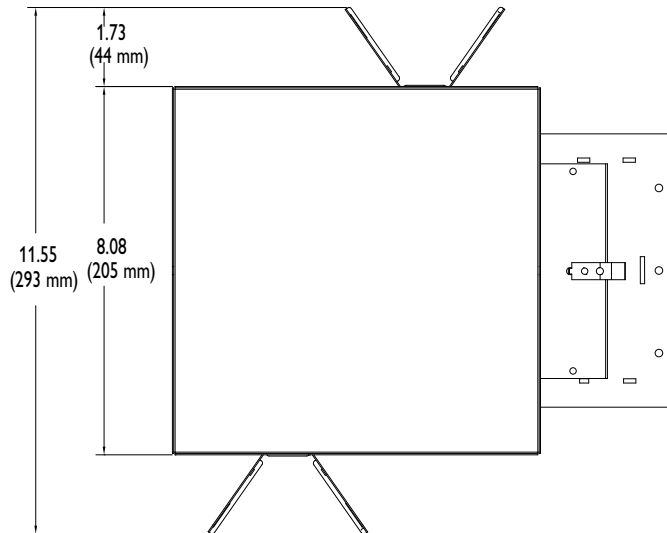
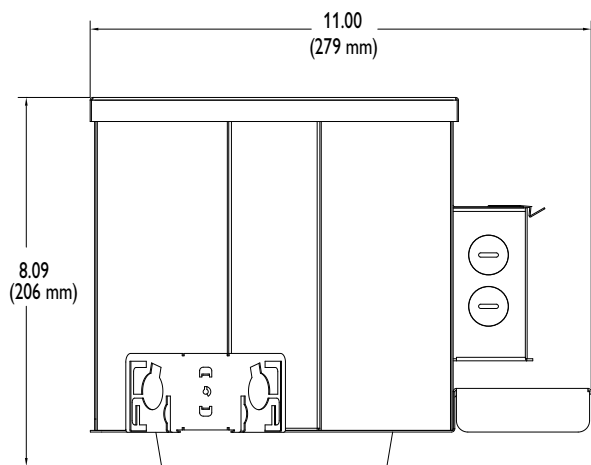
Accessories (ordered separately)

- SA4 - Slope ceiling adapter (must specify in 5° increments up to 30°)
- Q1031 - 27" Flat Bar Hangers (pair) Wood Joist
- Q1032 - 24" C-Channel (pair)
- Q1033 - 24" Expandable T-Grid or Wood Joist (pair)



energy data

dimensions



photometrics

IC4LED20U-R4LED35KCS

Tested to LM-79 standards.

Catalog No. IC4LED20U-R4LED35KCS

Test No.	LTL19113D4
S/MH	(0 degree plane) 1.4
Lamp Type	(1)16 Royal Blue LEDs
Total Fixture Lumens	1002
IES File	LTL19113D4.ies
Input Watts	20
Beam Angle	82.59
Luminaire Efficacy	49 LPW

Candela				Foot Lamberts
Degrees	At 0°	At 90°		
90	0	0		
85	0	0		98
75	1	1		66
65	1	1		94
55	4	4		183
45	106	106		4244
35	531	531		
25	676	676		
15	692	692		
5	633	633		
0	633	633		

Lighting Performance Data

Ceiling Height (feet)	Initial Footcandles	Beam Diameter (Ft/In)
8	20.9	9 - 8
10	11.2	13 - 2
12	7.0	16 - 8
14	4.8	20 - 2
16	3.5	23 - 9

Coefficients of Utilization

pcc	80		70		50	
	50	30	50	30	50	30
pw						
RCR						
0	118	118	118	118	115	115
1	112	110	107	105	111	108
2	107	102	96	93	105	100
3	101	93	88	83	98	92
4	94	86	81	76	93	85
5	89	80	73	68	88	79
6	83	73	68	63	82	73
7	79	68	61	57	78	68
8	75	64	57	53	72	64
9	70	59	53	48	68	58
10	67	56	50	45	66	56



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