CONTRACTOR LIGHTING & SUPPLY
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PROJECT
TYPE
CATALOG #

20-LEDRA

11" & 14" CEILING LUMINAIRES - ROUND

FEATURES

- Available in 3000k (warm white) and 4000k (neutral white) color temperatures*
- Long-life LEDs provide up to 163,000 hours of operation with at least 70% of initial lumen output (L_{70})**
- 20-LEDRA provides a range of 1,300 to 1,600 nominal lumens and 80 to 87 lumens per watt*
- 120 AC voltage (60Hz) is standard
- Triac dimming drivers are standard
- Steel housing and PMMA lens
- Power factor > 0.90
- Total harmonic distortion < 20%
- Color rendering index > 80
- Easy installation in new construction or retrofit

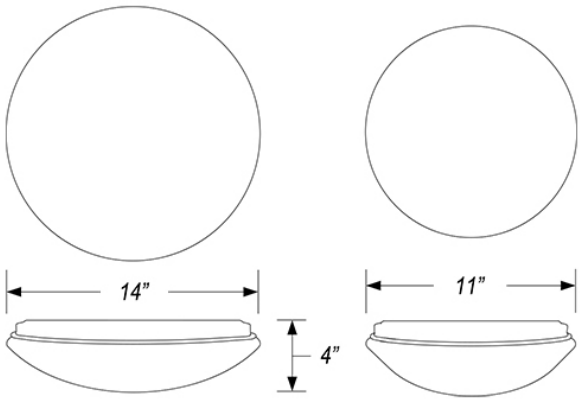
* Contact factory for other color temperatures and lumen packages

** L_{70} hours are IES TM-21-11 calculated hours.

WARRANTY & LISTINGS

- cETLus listed for damp locations in ambient temperatures from - 20°C to 25°C (-4°F to 77°F)
- Energy Start qualified
- Complies with FCC Part 15, Class B
- Complies with EN61000-4-5, surge immunity protection (0.5kV)
- RoHS compliant
- 5-Year Warranty of all electronics and housing

DIMENSIONS



Model	Diameter	Height	Weight
20-LEDRA11	11.0”	3.1”	1.3 lbs.
20-LEDRA14	14.0”	3.1”	1.9 lbs.

PRODUCT PARAMETER

MODEL	COLOR TEMP.	LUMENS PER WATT	COMPATIBLE DIMMERS
20-LEDRA11 20-LEDRA14	3K = 3000k 4K = 4000k	87 80	**LUTRON:** Ariadni/Toggler (TGCL-153P) Maestro (MACL-153M) Skylark Contour (CTCL-153P) Caseta (PD-6WCL) **LEVITON:** IllumaTech R50-IPL06 SureSlide (R12-06672, R62-06674) Decora (DSL06-1LZ)

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ELECTRIC DATA

MODEL	COLOR TEMPERATURE	CRI [1]	LUMINAIRE LUMENS	LUMINAIRE WATTS	LUMENS PER WATT	INPUT VOLTAGE	INPUT CURRENT (A)			POWER FACTOR	THD [2]	L_{70} HOURS[3]
							120V	240V	277V			
20-LEDRA11-3K	3000k	> 80	1,300	15	87	120 (60Hz)	0.13	N/A	N/A	> 90%	< 20%	163,000
20-LEDRA11-4K	4000k	> 80	1,300	15	87	120 (60Hz)	0.13	N/A	N/A	> 90%	< 20%	163,000
20-LEDRA14-3K	3000k	> 80	1,600	20	80	120 (60Hz)	0.17	N/A	N/A	> 90%	< 20%	156,000
20-LEDRA14-4K	4000k	> 80	1,600	20	80	120 (60Hz)	0.17	N/A	N/A	> 90%	< 20%	156,000

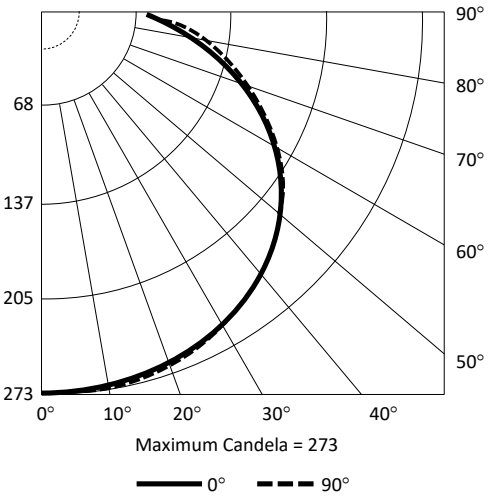
1 Color rendering index

2 Total harmonic distortion

3 L70 refers to the number of hours at which lumen output declines to 70% of the initial level. L70 hours are IES TM-21-11 calculated hours.

PHOTOMETRIC DATA

20-LEDR11-3K (1,300 Lumens)



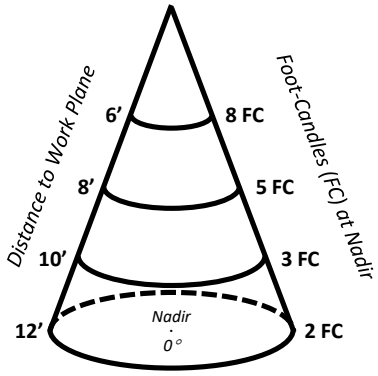
Candlepower Summary

	0°	90°
0°	273	273
10°	271	273
20°	266	268
30°	256	257
40°	241	243
50°	220	222
60°	192	195
70°	156	158
80°	113	117
90°	77	78

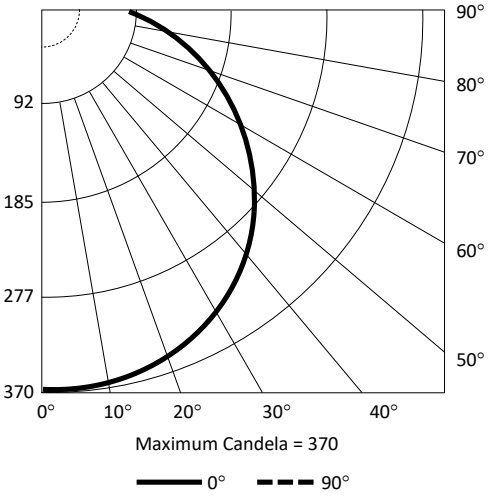
Zonal Lumen Summary

Zone	Lumens	% Fixture
0° – 10°	24	1.9%
0° – 20°	96	7.3%
0° – 30°	209	16.0%
0° – 40°	355	27.3%
0° – 50°	522	40.1%
0° – 60°	696	53.5%
0° – 70°	859	66.1%
0° – 80°	994	76.5%
0° – 90°	1,092	84.0%
90°– 180°	208	16.0%
0° – 180°	**1,300**	**100.0%**

Cone of Light



20-LEDR14-3K (1,600 Lumens)



Candlepower Summary

	0°	90°
0°	369	369
10°	367	368
20°	355	357
30°	335	338
40°	308	309
50°	273	273
60°	230	228
70°	180	176
80°	123	121
90°	75	74

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° – 10°	34	2.1%
0° – 20°	133	8.3%
0° – 30°	289	18.0%
0° – 40°	485	30.3%
0° – 50°	703	43.9%
0° – 60°	921	57.6%
0° – 70°	1,117	69.8%
0° – 80°	1,271	79.4%
0° – 90°	1,374	85.8%
90°– 180°	226	14.2%
0° – 180°	**1,600**	**100.0%**

Cone of Light