

RAN27L

27W Dimmable LED New Construction Concealed Adjustable Illumination

Specifications/Features

Housing

New construction housings available in single lamp through four lamp models. Designed for installation into accessible and non-accessible ceilings. Heavy duty, 18-gauge steel housing; powder coat painted in matte black, white or silver. The fixture may be installed with the included white metal trim ring or trimless by finishing the ceiling to the edge of the luminaire. (Black trim available on special order. Consult Con-Tech to order as component parts.)

Trim

Steel, powder coat trim. Can be finished as a trimless installation. Adjustable lamp holders in black, white or silver. Aluminum cross blade louvers and retaining rings supplied with holder. Front loading lamp replacement and lockable aiming. (Small tool provided) Maximum aiming angles: 75° Length, 40° Width. Snoot will accept (1) LF20 lens.

Mounting

Wing type mounting brackets allow for 3-1/8" vertical adjustments. Brackets will accept optional HB-24 Flat Hanger Bars or HBC-24 "C" Channel Hangers.

Lamp

Low wattage, eco-friendly, LED fixture provides high lumen output with no infrared or ultraviolet radiation. (7) LEDs, 1A constant current input; 27W/1700Lm total. Select from 11°, 26° and 37° beam distributions. Color Temperature: 2700K (2725 ± 145)
3000K (3045 ± 175)
3500K (3465 ± 245)

Electrical

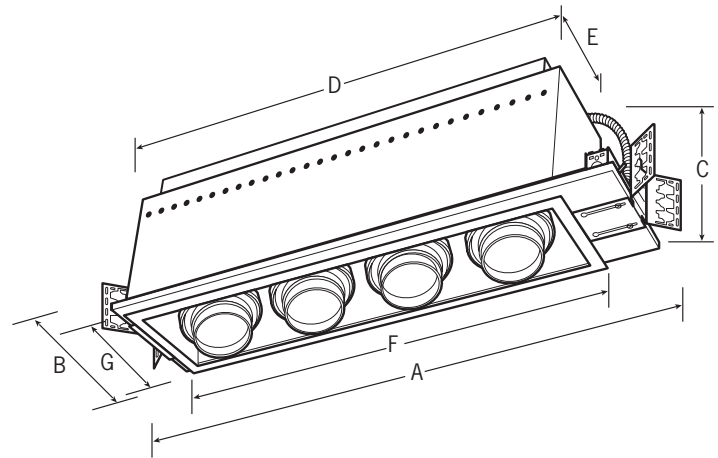
Electronic driver: 120V AC primary and 1A secondary, 60Hz. Input current: 0.35A max. Approved for through wiring: max 12 AWG No. 8, 4-in, 4-out. Wire rating: 90° C, thermally protected. Junction box has (5) 1/2" knockouts.

Warranty

This complete fixture is covered by ConTech's full five (5) year replacement guarantee after date of purchase.

Listing

cCSAus Certified to UL Standards. Suitable for damp locations.



Model	Overall			Housing		Trim Edge = 1"		Ceiling Cut-Out		
	L (Min-Max *)	Width	Height	Length	Width	Length	Width	Length	Width	
X1	18.34"	20.84"	8.50"	9.75"	8.81"	7.10"	9.76"	8.50"	9.32"	7.25"
X2	25.43"	27.93"	8.50"	9.75"	15.90"	7.10"	16.85"	8.50"	16.41"	7.25"
X3	32.53"	35.03"	8.50"	9.75"	23.00"	7.10"	23.94"	8.50"	23.51"	7.25"
X4	39.53"	42.03"	8.50"	9.75"	30.00"	7.10"	31.00"	8.50"	30.51"	7.25"

*Minimum and maximum extension (J-box or RL-KIT)

Ordering Information

Example Order: -

Fixture	Beam Dist.	Color Temp.	Electrical	Dimming	Lamps	Finish	Accessories
RAN27L	S - 11° Beam M - 26° Beam F - 37° Beam	27 - 2700K 3 - 3000K 35 - 3500K	12 - 120V 27 - 277V	N - No Dimming D - Triac Dimming 120V ONLY D2 - 0-10V Dimming 120V/277V	X1 - One X2 - Two X3 - Three X4 - Four	B - Black P - White S - Silver	HB-24 - 27" Flat Hanger Bars HBC-24 - 25" C-Channel Hanger Bars LA-37-(B,P) - Eggcrate Louver* LF20 - (A, B, CL, DPE, G, LB, R, RO, Y, 73, LS, SL, UV) 3-3/4" Dia. tempered glass lenses *Note: Replace lower snoot with LA-37 Eggcrate Louver

Color/Pattern Legend

-A (Amber), -B (Blue), -CL (Clear), -G (Green), -LB (Light Blue), -R (Red), -RO (Rose), -Y (Yellow), -73 (Spread Lens), -LS (Linear Spread Lens), -SL (Soft Light), -UV (Optivex UV Filter)

RAN27L

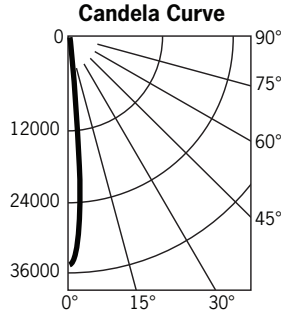
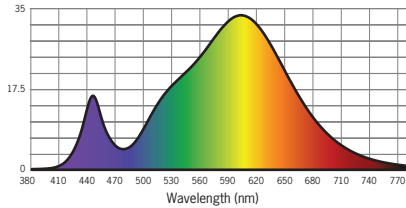
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Photometrics

RAN27LS312X1

Designed for 50,000 Hour Lamp Life*; LM-63Test No. 80824

Light Output (Fixture Lumens): 1710
 Total Watts@120V: 26
 Lumens Per Watt: 66
 Color Rendering Index (CRI)¹: 81
 Color Temperature (CCT)²: 2992K Warm White
 Spectral Power Distribution Chart³
 LM-79 Test No. 80836



FROM 0	CANDELA	LUMENS
0	34569	
5	20594	1330
15	924	294
25	78	40
35	34	23
45	16	13
55	9	8
65	2	2
75	1	1
85	0	0
95	0	

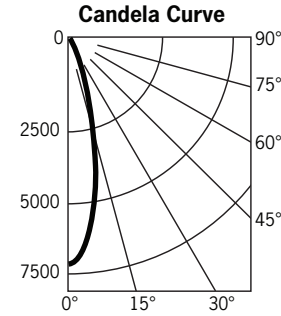
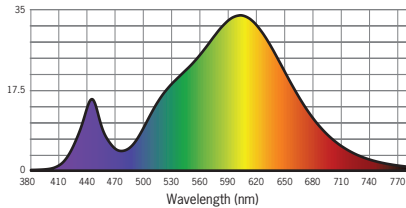
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	960.3	1.2
8'	540.1	1.6
10'	345.7	2.0
12'	240.1	2.4
14'	176.4	2.7
16'	135.0	3.1

Beam Distribution: 11°
 Spacing Criterion: 0.19

RAN27LM312X1

Designed for 50,000 Hour Lamp Life*; LM-63Test No. 80825

Light Output (Fixture Lumens): 1731
 Total Watts@120V: 27
 Lumens Per Watt: 65
 Color Rendering Index (CRI)¹: 80
 Color Temperature (CCT)²: 3029K Warm White
 Spectral Power Distribution Chart³
 LM-79 Test No. 80837



FROM 0	CANDELA	LUMENS
0	6982	
5	6256	542
15	2780	760
25	605	302
35	105	74
45	36	29
55	16	15
65	4	5
75	2	2
85	2	2
95	0	

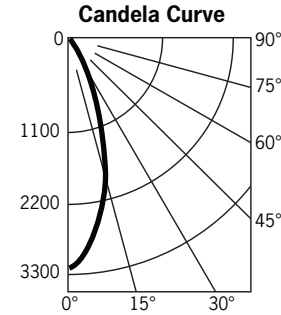
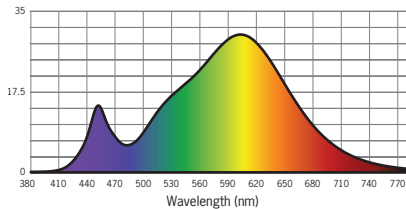
DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	193.9	2.6
8'	109.1	3.5
10'	69.8	4.3
12'	48.5	5.2
14'	35.6	6.1
16'	27.3	7.0

Beam Distribution: 26°
 Spacing Criterion: 0.43

RAN27LF312X1

Designed for 50,000 Hour Lamp Life*; LM-63Test No. 80826

Light Output (Fixture Lumens): 1494
 Total Watts@120V: 26
 Lumens Per Watt: 58
 Color Rendering Index (CRI)¹: 82
 Color Temperature (CCT)²: 3066K Warm White
 Spectral Power Distribution Chart³
 LM-79 Test No. 80838



FROM 0	CANDELA	LUMENS
0	3205	
5	3027	275
15	2008	550
25	851	397
35	258	171
45	79	64
55	28	25
65	7	8
75	3	3
85	2	2
95	0	

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6'	89.0	3.6
8'	50.1	4.8
10'	32.1	5.9
12'	22.3	7.1
14'	16.4	8.3
16'	12.5	9.5

Beam Distribution: 37°
 Spacing Criterion: 0.59

1. Accuracy of rendering colors
 2. Color appearance of light source
 3. Colors present within the light source

*Dependent on surrounding temperatures