

Project:	Catalogue #:	Type:
Notes:		

Product Description

The VRU series by Certolux is a vandal resistant IC-rated specification grade recessed luminaire for grid or flange applications. The luminaire features tamper resistant fasteners to protect from unauthorized fixture penetration and security lenses to maximize impact resistance.

Approvals

Approved to CSA and UL standards.
UL listed for insulated ceilings, wet locations.



Featured Options

- LED Night Light
- Emergency Lighting Battery Pack
- IP65 Rating

Housing

Precision die formed and welded housing with specified material (see product ordering key).

Mounting

Flange installation is supported by swing style mounting brackets. Grid installation suitable for 1" and 1.5" T-Bar ceilings. See ordering key for additional 2" T-Bar support (option C57).

Door Frame

Single piece precision die formed with specified material (see product ordering key). Corners are TIG welded. Tamper resistant TORX® Head with center pin fasteners secure door frame to housing.

LED

Available in three standard colour temperatures 3500K, 4000K, 5000K. Additional LED night light available (consult ordering key).

Lens & Lens Retention

Multiple lens choices available (see product key for options). Lens sealed to door frame with continuous retention system and supported with stainless steel aircraft cables.

Finish

Polyester powder painted white finish features a high reflectivity coating for improved performance and efficiency.

Electrical

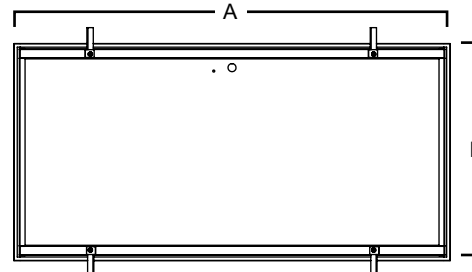
Long life LED's coupled with high efficiency drivers provide quality illumination. Rated to deliver an L80 performance >50,000 hours. The standard driver has a THD of <10%. Standard low-voltage dimming (0-10v). All electrical components are CSA or UL approved. A ½" EMT hole is provided for wiring connections.

Warranty

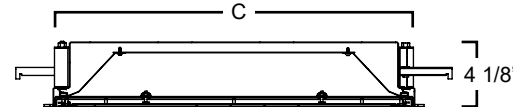
5 year limited warranty. For complete warranty terms visit:
http://viscor.com/assets/Viscor_LED_Warranty.pdf



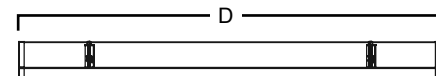
Dimensions
Top View



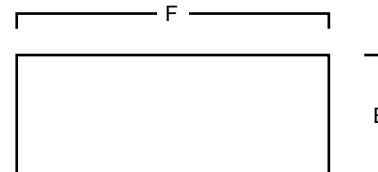
End View



Side View



Cutout



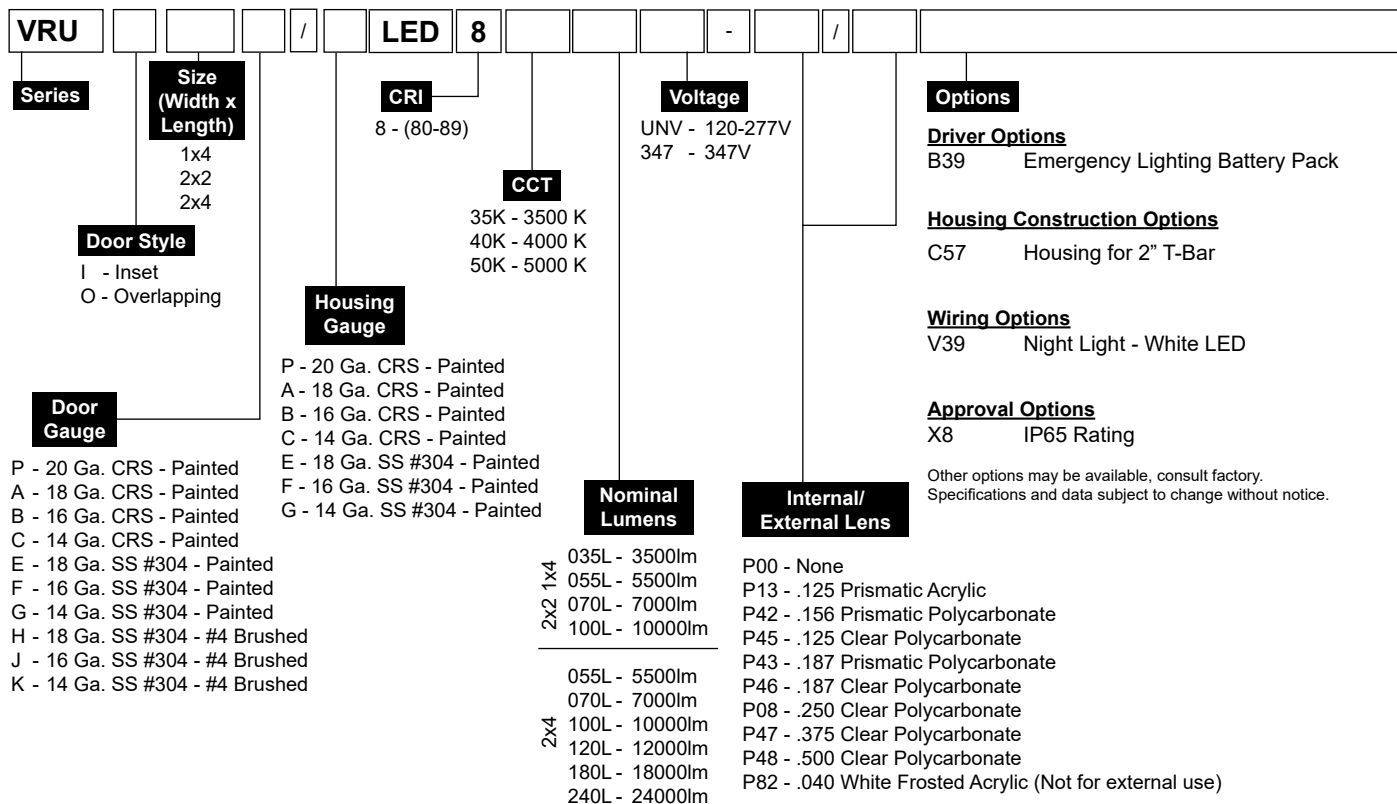
	A	B	C	D	E	F
1x4	47 3/4"	11 3/4"	10 11/16"	46 3/4"	10 11/16"	46 3/4"
2x2	23 3/4"	23 3/4"	22 11/16"	22 7/8"	22 11/16"	22 7/8"
2x4	47 3/4"	23 3/4"	22 11/16"	46 3/4"	22 11/16"	46 3/4"

Consult installation guide for exact dimensions.

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Order Key

EXAMPLE: VRUI2X2A/PLED840K070LUNV-P82/P45



- Door Gauge**
- P - 20 Ga. CRS - Painted
 - A - 18 Ga. CRS - Painted
 - B - 16 Ga. CRS - Painted
 - C - 14 Ga. CRS - Painted
 - E - 18 Ga. SS #304 - Painted
 - F - 16 Ga. SS #304 - Painted
 - G - 14 Ga. SS #304 - Painted
 - H - 18 Ga. SS #304 - #4 Brushed
 - J - 16 Ga. SS #304 - #4 Brushed
 - K - 14 Ga. SS #304 - #4 Brushed

- Nominal Lumens**
- 2x2 1x4
 - 035L - 3500lm
 - 055L - 5500lm
 - 070L - 7000lm
 - 100L - 10000lm
 - 2x4
 - 055L - 5500lm
 - 070L - 7000lm
 - 100L - 10000lm
 - 120L - 12000lm
 - 180L - 18000lm
 - 240L - 24000lm

- Internal/ External Lens**
- P00 - None
 - P13 - .125 Prismatic Acrylic
 - P42 - .156 Prismatic Polycarbonate
 - P45 - .125 Clear Polycarbonate
 - P43 - .187 Prismatic Polycarbonate
 - P46 - .187 Clear Polycarbonate
 - P08 - .250 Clear Polycarbonate
 - P47 - .375 Clear Polycarbonate
 - P48 - .500 Clear Polycarbonate
 - P82 - .040 White Frosted Acrylic (Not for external use)

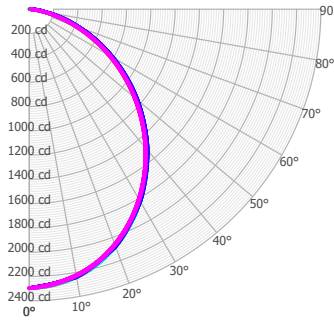
Note: Maximum lens thickness combined is .625"

Size	Nominal Lumens	Watts
1x4 2x2	3500	33
	5500	53
	7000	70
	10000	99
2x4	5500	47
	7000	61
	10000	82
	12000	101
	18000	146
	24000	201

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Photometrics

IES File: **VRUI-2X2-LED840K055LUNV-P82P08**
 Lumens: **5569**
 Wattage: **52**
 Efficacy: **107**



Zonal Lumen Summary

Zone	Lumens	%Lamp	
0.0° - 30.0°	1723	-43,083.6%	30.9%
0.0° - 40.0°	2764	-69,091.0%	49.6%
0.0° - 60.0°	4646	-116,155.7%	83.4%
0.0° - 90.0°	5569	-139,225.4%	100.0%

Coefficients of Utilization

pc	80%			70%			50%		
	70%	50%	30%	70%	50%	30%	70%	50%	30%
0	119	119	119	116	116	116	111	111	111
1	110	105	101	107	103	99	102	99	96
2	100	93	86	98	91	85	93	87	82
3	92	82	74	89	80	73	85	77	71
4	84	73	65	82	72	64	78	69	62
5	78	65	57	76	64	56	72	62	55
6	72	59	50	70	58	50	67	56	49
7	67	54	45	65	53	45	62	51	44
8	62	49	41	61	48	41	58	47	40
9	58	45	37	57	45	37	54	44	36
10	55	42	34	53	41	34	51	40	33

**Average Luminance Table (cd/m2)
CP Summary**

	0.00°	45.00°	90.00°
0.00°	6364	6364	6364
45.00°	5202	5147	5232
55.00°	4664	4579	4681
65.00°	3910	3791	3915
75.00°	2659	2559	2780
85.00°	797	1170	1738

Effective Floor Cavity Reflectance: 20%