

Project:	Catalogue #:	Type:
Notes:		

Product Description

The Revel is a premium-grade, recessed, lay-in T-Bar troffer featuring two angled lenses with a flat rail. Its modern styling provides depth and high visual comfort with increased glare control. For use with indoor applications where high-efficiency, high performance and ease of installation are required.

Applications

Office Areas, Retail Stores, Classrooms, Hospitals, Nursing Homes, Hospitality



Features

- 1x4, 2x2, 2x4 and 20x60 configurations
- Standard low voltage 1% dimming (0-10V)
- For use in insulated ceilings
- Room-side access for servicing
- Designed for 9/16" and 15/16" T-bar applications

Featured Options

- Intellect occupancy/daylight sensor
- Tunable white
- Circadian lighting
- Emergency lighting battery pack

Optical System

Two removable angled frosted diffusers.

Mounting

This luminaire has been specifically designed for T-Bar applications and features integral earthquake clips.

Construction

Die-formed, cold rolled heavy-gauge steel housing assembly. Wiring access plates and knockouts are provided on back of housing.

Finish

White, polyester powder painted housing.

Electrical

Long life LEDs coupled with high efficiency drivers provide quality illumination. Rated to deliver L80 performance > 60,000 hours. Standard low voltage dimming (0-10v) driver. Total harmonic distortion <15%. Operating temperature range from 0C to 35C.

Warranty

5 year limited warranty. For complete warranty, click here: [5YR Warranty](#)

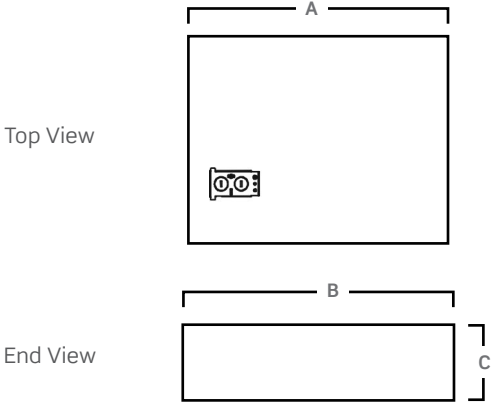
Approvals

- ETL listed. Suitable for damp locations.
- DesignLights Consortium® Qualified.

Note: All configurations may not be DLC qualified. Check www.designlights.org/QPL for qualified configurations.



Dimensions



Size	A	B	C
1x4	47.75"	11.75"	4"
2x2	23.75"	23.75"	4"
2x4	47.75"	23.75"	4"
20x60	59.75"	19.75"	4"

Consult installation guide for exact dimensions.

Project:

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Order Key

EXAMPLE: RVL2x2-LED840K042LUNV

RVL

-

LED

-

Size
(Width x Length)

1x4
2x2
2x4
20x60*

CRI

8 - (80+)
9 - (90+)^

CCT

30K - 3000K
35K - 3500K
40K - 4000K
50K - 5000K
2765KT - 2700-6500 K
(Tunable White)***

Nominal Lumens

1x4
2x2

025L - 2500
035L - 3500
042L - 4200
050L - 5000

2x4
20x60

025L - 2500
035L - 3500
042L - 4200
050L - 5000
060L - 6000
070L - 7000

Custom Lumens

---L*

Voltage

UNV - 120-277V
347 - 347V

Controls

Wireless Controls Options

To view the controls guide
[Click Here](#)

Options

Driver Options

B02 Dimming Addressable Digital (DALI)**
(Not available for 347V)
B39 Emergency Lighting Battery Pack with integral test switch
(90 minute run time @ 10W (UNV) & 8W (347V))

Air Handling Options

A1 Air Supply/Return Slots
(Consult factory for 1x4)

Housing Construction Options

C45 Housing for tegular tiles
C32 Chicago Plenum CCEA Compliant
C79 Full Length illumination (Available for 20x60)

Packaging Options

K0 Bulk Pack/Pallet Packed and/or Wrapped

Wiring Options

V100 Flexible Armored Steel Cable Whip (6Ft. x 5-Wire)
V101 Flexible Armored Steel Cable Whip (6Ft. x 6-Wire)
(For use with emergency battery pack)

^ 90+ CRI reduces lumen output by 20%, not available with 5000K

** Consult factory for availability and lead times.

* Includes filler plates

*** When Selecting 2765KT, if a tunable white-compatible control is not selected the luminaire will come standards with two sets of 0-10V wires for dimming and color tuning (see tunable white diagram for details). For compatible control options please consult factory.

Other options may be available, consult factory. Specifications and data subject to change without notice.

Performance Data

LED Performance Data				
Size	Nominal Lumens	Delivered Lumens	Watts	Lumens Per Watt
1x4	2500	2524	20	126
	3500	3521	28	126
	4200	4259	34	125
	5000	4988	41	122
2x2	2500	2554	21	122
	3500	3532	30	118
	4200	4252	37	115
	5000	5026	43	117
2x4 20x60	2500	2524	20	126
	3500	3521	28	126
	4200	4259	34	125
	5000	4988	41	122
	6000	6006	50	120
	7000	7065	60	118

Values based on 840K with standard lens at 25C

Performance Scaling Factor

	50K	40K	35K	30K
80CRI	1.000	1.000	0.960	0.946
90CRI	0.875	0.875	0.836	0.809

Lifetime Expectancy

	Calculated Hours	Reported Hours
L70	≥ 238,000	> 60,000
L80	≥ 149,000	> 60,000
L90	≥ 71,000	> 60,000

*Custom Lumens		
Size	Nominal Lumens Range	Watts
1x4	2500 - 5000	20 - 41
2x2	2500 - 5000	21 - 43
2x4 / 20x60	2500 - 7000	20 - 60

*3000Lm Example:
RVL2x2-LED840K030LCUNV

Flange Kits (Ordered Separately)	
Size (Width x Length)	Item No.
1x4	KIT00136
2x2	KIT00137
2x4	KIT00138

Surface Kits (Ordered Separately)	
Size (Width x Length)	Item No.
1x4	KIT00373
2x2	KIT00374
2x4	KIT00375

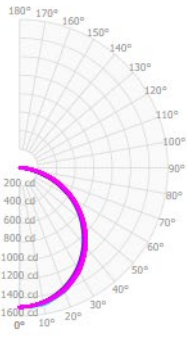
Phone: (416) 245-7991 | www.viscor.com | Specifications and data subject to change without notice. | 07/16/2024

Viscor | a Leviton company

Project:	Catalogue #:	Type:
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Photometric

IES File: RVL1X4-LED840K042LUNV
 Lumens: N/A
 Wattage: 34
 Efficacy: 125



Zonal Lumen Summary

Zone	Lumens	
0.0° - 30.0°	1168	27.4%
0.0° - 40.0°	1909	44.8%
0.0° - 60.0°	3362	78.9%
0.0° - 90.0°	4259	100.0%
0.0° - 110.0°	4259	100.0%
0.0° - 130.0°	4259	100.0%
0.0° - 150.0°	4259	100.0%
0.0° - 170.0°	4259	100.0%
0.0° - 180.0°	4259	100.0%

Average Luminance Table (cd/m²)
CP Summary

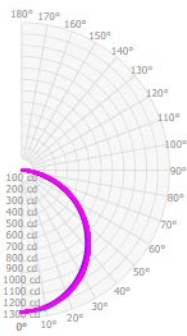
	0.00°	45.00°	90.00°
0.00°	4205	4205	4205
45.00°	4006	3891	3889
55.00°	3866	3705	3724
65.00°	3667	3445	3470
75.00°	3302	3063	2795
85.00°	2937	2333	855

Coefficients of Utilization

pc	80%			70%			50%		
pw	70%	50%	30%	70%	50%	30%	70%	50%	30%
0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0

Effective Floor Cavity Reflectance: 20%

IES File: RVL2X2-LED840K035LCUNV
 Lumens: N/A
 Wattage: 30
 Efficacy: 118



Zonal Lumen Summary

Zone	Lumens	
0.0° - 30.0°	968	27.4%
0.0° - 40.0°	1584	44.8%
0.0° - 60.0°	2788	78.9%
0.0° - 90.0°	3532	100.0%
0.0° - 110.0°	3532	100.0%
0.0° - 130.0°	3532	100.0%
0.0° - 150.0°	3532	100.0%
0.0° - 170.0°	3532	100.0%
0.0° - 180.0°	3532	100.0%

Average Luminance Table (cd/m²)
CP Summary

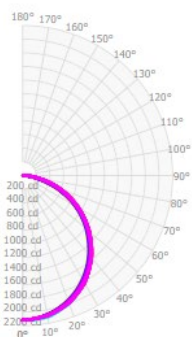
	0.00°	45.00°	90.00°
0.00°	3461	3461	3461
45.00°	3297	3202	3200
55.00°	3182	3049	3065
65.00°	3018	2835	2855
75.00°	2717	2520	2300
85.00°	2417	1920	704

Coefficients of Utilization

pc	80%			70%			50%		
pw	70%	50%	30%	70%	50%	30%	70%	50%	30%
0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0

Effective Floor Cavity Reflectance: 20%

IES File: RVL2X4-LED840K060LUNV
 Lumens: N/A
 Wattage: 50
 Efficacy: 120



Zonal Lumen Summary

Zone	Lumens	
0.0° - 30.0°	1646	27.4%
0.0° - 40.0°	2693	44.8%
0.0° - 60.0°	4740	78.9%
0.0° - 90.0°	6005	100.0%
0.0° - 110.0°	6005	100.0%
0.0° - 130.0°	6005	100.0%
0.0° - 150.0°	6005	100.0%
0.0° - 170.0°	6005	100.0%
0.0° - 180.0°	6005	100.0%

Average Luminance Table (cd/m²)
CP Summary

	0.00°	45.00°	90.00°
0.00°	2920	2920	2920
45.00°	2782	2702	2700
55.00°	2685	2573	2586
65.00°	2546	2392	2409
75.00°	2292	2127	1941
85.00°	2039	1620	594

Coefficients of Utilization

pc	80%			70%			50%		
pw	70%	50%	30%	70%	50%	30%	70%	50%	30%
0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0

Effective Floor Cavity Reflectance: 20%

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Non Standard Luminaire Size (20x60)

Filler Plates are standard when 20x60 size is selected.



C79 - Full illumination



Tunable White

When Selecting 2765KT, if a tunable white-compatible control is not selected the luminaire will come standard with two sets of 0-10V wires for dimming and color tuning. For compatible control options please consult factory.

Dim and CCT control wire colors are subject to change without notice. All control wires are marked per the parentheses.

