

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, and 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

5 stage pretreatment, polyester powder coating.

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

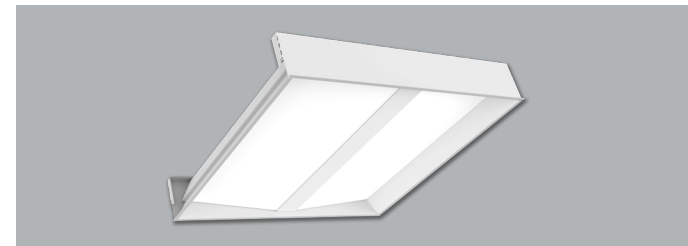
5 year limited warranty. For complete warranty, click here:



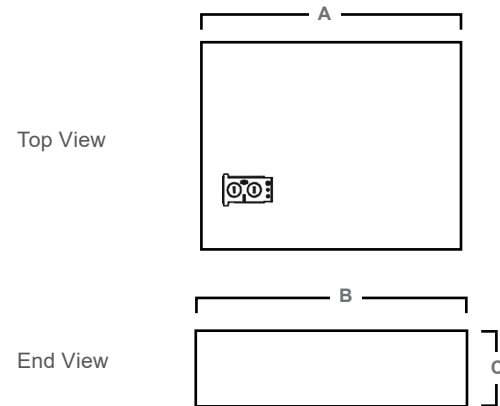
Approvals

- ETL listed.
- Suitable for dry and damp locations.
- DesignLights Consortium® Qualified.
- RoHS Compliant.

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



Dimensions



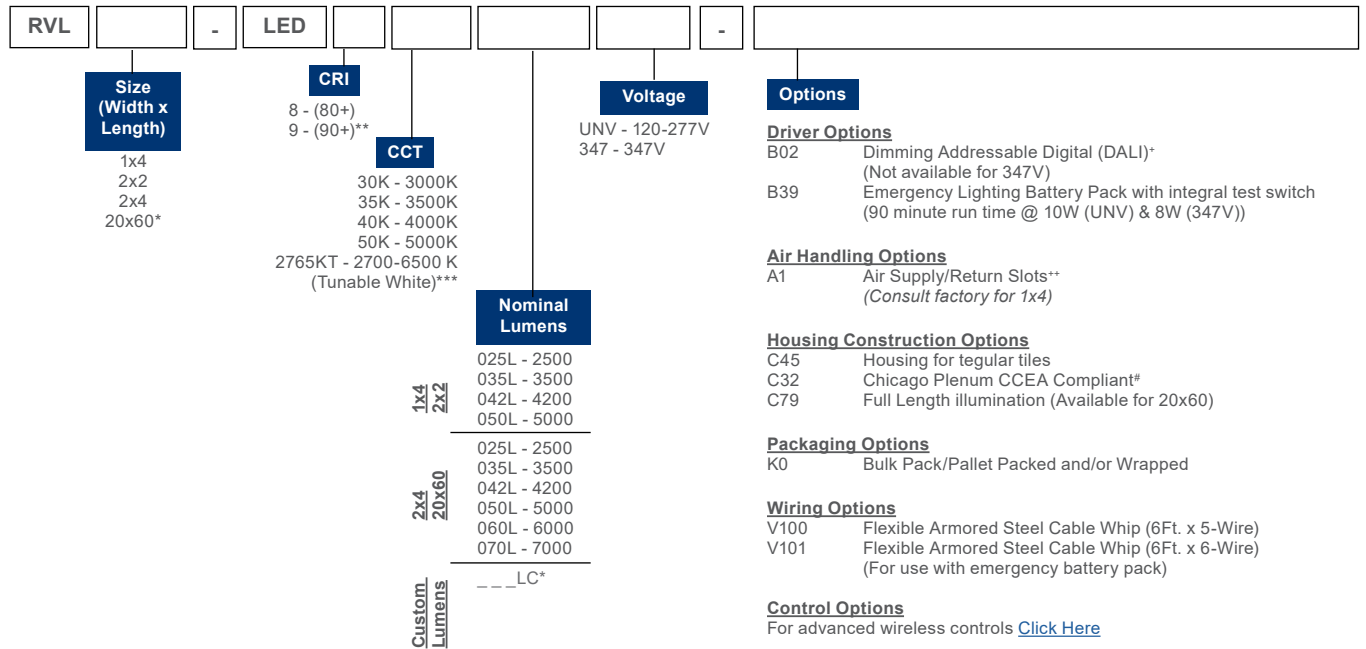
Dimensions (Inch)			
Size	A	B	C
1x4	47.75	11.75	4
2x2	23.75	23.75	4
2x4	47.75	23.75	4
20x60	59.75	19.75	4

Consult installation guide for exact dimensions.

Project:	Catalogue:	Type:
Notes:		

Order Key

EXAMPLE: RVL2x2-LED840K042LUNV



* Includes filler plates

** 90+ CRI reduces lumen output by 20%

*** 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.

† Consult factory for availability and lead times.

** A1 - Not available with Chicago Plenum

C32 Not available with Air Supply Return Slots

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	2551	18.8	135.5
	3500	3504	26.3	133.1
	4200	4258	32.4	131.4
	5000	5068	39.1	129.7
2x2	2500	2504	18.8	133.4
	3500	3510	27.1	129.3
	4200	4248	33.6	126.4
	5000	5042	39.2	128.5
2x4 20x60	2500	2518	17.4	145.1
	3500	3537	24.8	142.6
	4200	4210	29.9	141.0
	5000	5011	36.0	139.2
	6000	6067	44.3	137.0
	7000	7044	52.2	135.0

Values based on 840K with standard lens at 25°C

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

Project:	Catalogue:	Type:
Notes:		

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

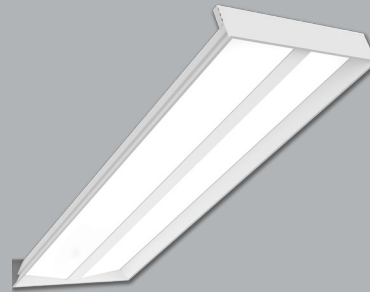
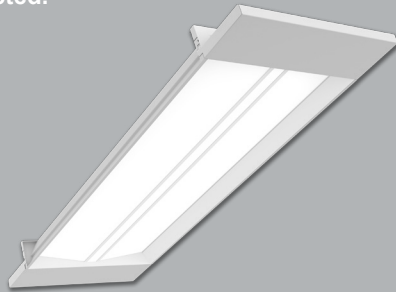
*Custom Lumens		
Size	Nominal Lumens Range	Watts
1x4	2500 - 5000	20 - 41
2x2	2500 - 5000	21 - 43
2x4 / 20x60	2500 - 7000	20 - 60

*3000Lm Example: RVL2x2-LED840K030LCUNV

Non Standard Luminaire Size (20x60)

Filler Plates are standard when 20x60 size is selected.

C79 - Full illumination



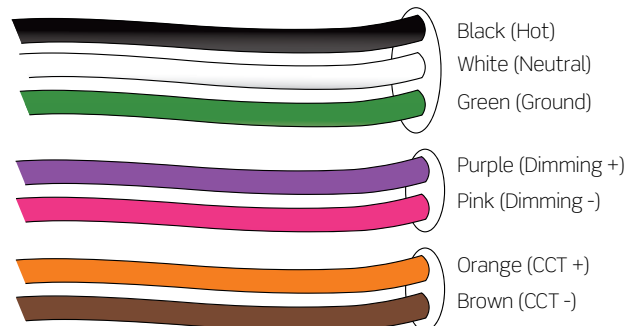
EM Ordering Guide

EM Function	Order Code	Description	Notes
Standard EM	B39	10W EM battery pack	Standard 10W output, 90 minute run time in emergency mode.
High Wattage EM	B39(20W)	20W EM battery pack	Standard 20W output, 90 minute run time in emergency mode.
347V EM	347...B39	8W 347V EM	Fixture part number indicates 347V input voltage.
347 High Wattage EM	347...B39(20W)	20W 347V EM battery pack	Fixture part number indicates 347V input voltage.
Self Testing EM	B39(SD)	10W Self test EM	Self test instructions provided with each fixture. Digital copies available as needed.
Cold Weather	B06...B39	10W Cold Weather EM suitable to -20C	Standard EM pack 0°C minimum temp.
120 Minute EM	B39(2HR)	EM with 120 minute minimum run time	Standard 14W output, 120 minute run time in emergency mode.
Specified EM	B39(xx)	Customer to specify brand, model number and/or feature.	xx Indicates model number of specified by Viscor.

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.

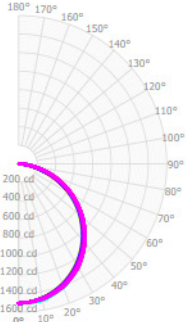
Dim and CCT control wire colors are subject to change without notice. All control wires are marked per the parentheses.



Project:	Catalogue:	Type:
Notes:		

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%

Coefficients of Utilization

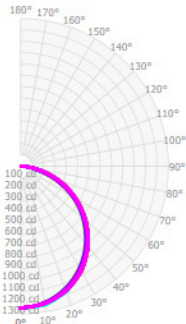
pc	80%			70%			50%			
	pw	70%	50%	30%	70%	50%	30%	70%	50%	30%
0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0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

Effective Floor Cavity Reflectance: 20%

IES File: **RVL2X2-LED840K035LUNV**
 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%

Coefficients of Utilization

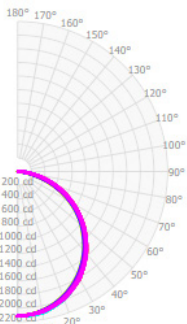
pc	80%			70%			50%			
	pw	70%	50%	30%	70%	50%	30%	70%	50%	30%
0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0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

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%

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	0
1	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	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

Effective Floor Cavity Reflectance: 20%