

Essentia® Series Downlights

LED Wall Wash Downlight – 4"

Rev. Date: V11 08/22/2023

Product Description

The Essentia® Series Wall Wash Downlights deliver beautiful 90+CRI light. Available in a variety of lumen packages and color temperatures, each downlight is rated at 50,000 hours and features a premium quality self-flanged reflector finish supported by a range of color trim options. Essentia® Series Wall Wash Downlights are engineered to provide outstanding value and performance. It's your essential, comprehensive downlight portfolio for new construction and renovation applications.

Applications: New construction and renovation applications with non-insulated ceilings or where insulation can be kept 3" (76mm) from housing

Performance Summary

Initial Delivered Lumens: 828-2,846 lumens
Input Power: 12-42 watts
CRI: 90
CCT: 2700K, 3000K, 3500K, 4000K
Limited Warranty[†]: 5 years for luminaire; 1 year for luminaire accessories
Dimming: 0/1-10V dimming down to 1% and Triac dimming down to 10%
ENERGY STAR® Certified (except 27K)

[†] See <https://www.creelighting.com/warranty> for warranty terms

Accessories

Field-Installed	
C-Channel Hangar Bars	T-Bar Clips
RBH30C - Pair of 30" (762mm) rigid 3/4" x 1/2" (19mm x 13mm) c-channel bars	RARC7 - Set of four - For use with RBH24C-1 hanger bars
RBH24C-1 - Pair of 24" (610mm) rigid 1-1/2" (38mm) x 1/2" (13mm) c-channel bars	

Ordering Information

Fully assembled luminaire is composed of two components that must be ordered separately:

Example: **Trim:** S-DL4T-WW-SSC + **Housing:** S-DL4-11L-30K

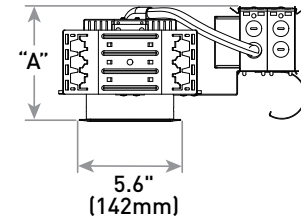
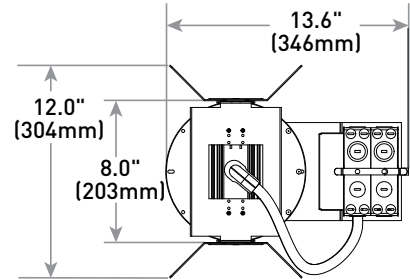
Trim (Housing must be ordered separately)				
Product	Type	Finish	Reflector	Flange Color
S-DL4T	WW			
S-DL4T	WW Wall Wash	SS Semi-Specular P Painted (For White Color)	C Clear CG Champagne Gold W** White B Black	Blank Matching Flange WF*** White Flange

Housing (Trim must be ordered separately)					
Product	Size	Initial Delivered Lumens*	CCT	Voltage	Controls
S-DL4					
S-DL Essentia Series Downlight	4" (102mm)	11L 12W, 828 lumens - Available with 30K, 35K and 40K CCTs 15L 15W, 986 lumens - Available with all CCTs 24L 23W, 1,600 lumens - Available with all CCTs	34L 34W, 2,279 lumens - Available with 30K, 35K and 40K CCTs 42L 42W, 2,846 lumens - Available with 30K, 35K and 40K CCTs	27K 2700K 30K 3000K 35K 3500K 40K 4000K	Blank Universal 120-277 Volt Blank 0/1-10V and Triac Dimming

* Initial delivered lumens at 4000K. Actual production yield may vary between -10 and +10% of initial delivered lumens

** Requires "P" Painted finish

*** Required when "W" Reflector is ordered, example: S-DL4T-WW-PW-WF; available with all reflectors



Initial Delivered Lumens	Dim "A"
11L, 15L, 24L, 34L	5.6" (142mm)
42L	6.2" (157mm)



US: [creelighting.com](https://www.creelighting.com) (800) 236-6800

Canada: [creelighting-canada.com](https://www.creelighting-canada.com) (800) 473-1234

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Product Specifications

CONSTRUCTION & MATERIALS

- Semi-specular clear reflector/flange finish, standard
- Multiple reflector/flange colors available
- Light engine, optics and driver accessible from below ceiling
- Heavy-gauge formed steel housing
- Mounting brackets are adjustable from above or below the ceiling
- Ten 1/2" (13mm) and two 3/4" (19mm) knockouts with pry-outs
- Eight knockouts with Romex® cable clamp
- Reflector position can be adjusted to point to the wall by rotating the reflector
- **Max. Ceiling Thickness:** 1-3/8" (35mm)

ELECTRICAL SYSTEM

- **Power Factor:** > 0.9 at full load
- **Total Harmonic Distortion:** < 20% at full load
- **Input Voltage:** 120-277V, 50/60Hz
- **Operating Temperature Range:** 0°C - +35°C (32°F - +95°F)

CONTROLS

- Triac dimming down to 10%
- 0/1-10V dimming down to 1% with 0-10V DC control protocol
- **10V Source Current:** 1.00mA
- 0-10V dimming control must be Class 2 and either have a neutral connection or be suitable for use with LED luminaires
- Reference [dimming spec sheet](#) for recommended dimming controls

REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus Listed
- Suitable for damp locations
- Designed for indoor use only
- Suitable for thru-wiring 8#12AWG-90°C
- Thermally protected Type NON-IC in accordance with Article 410 of the NEC and UL 1598
- Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated emissions
- RoHS compliant. Consult factory for additional details
- ENERGY STAR® certified except when ordered with 27K. Please refer to <https://www.energystar.gov/productfinder/product/certified-light-fixtures/results> for most current information
- **CA RESIDENTS WARNING:** Cancer and Reproductive Harm – www.p65warnings.ca.gov

Electrical Data*					
Initial Delivered Lumens	System Watts 120-277V	Total Current (A)			
		120V	208V	240V	277V
11L	12	0.10	0.06	0.05	0.04
15L	15	0.12	0.07	0.06	0.05
24L	23	0.19	0.11	0.10	0.08
34L	34	0.28	0.16	0.14	0.12
42L	42	0.35	0.20	0.18	0.15

* Electrical data at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-277V +/- 10%

CCT Multiplier (90 CRI)			
2700K	3000K	3500K	4000K
0.87	0.93	0.93	1.00

Essentia® Series Downlights Ambient Adjusted Lumen Maintenance ¹					
Ambient	Initial LMF	25K hr Reported ² LMF	50K hr Estimated ³ LMF	75K hr Estimated ³ LMF	100K hr Estimated ³ LMF
25°C (77°F)	1.00	0.94	0.89	0.84	0.80

¹ Lumen maintenance values at 25°C (77°F) are calculated per IES TM-21 based on IES LM-80 report data for the LED package and in-situ luminaire testing. Luminaire ambient temperature factors (LATF) have been applied to all lumen maintenance factors.

² In accordance with IES TM-21, Reported values represent interpolated values based on time durations that are up to 6x the tested duration in the IES LM-80 report for the LED.

³ Estimated values are calculated and represent time durations that exceed the 6x test duration of the LED.