

DACH-LED

Architectural LED Channel



Job Information

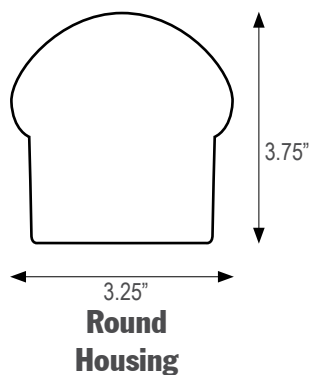
Type:

Catalog #:

Project:

Comments:

Prepared by:



Description

The DACH-LED round series is a functional and multi-purpose channel family that incorporates premium performance and construction durability. The performance and application versatility makes this fixture usable in every application. This fixture can be installed using various mounting methods and numerous options and accessories are available. The DACH-LED round series can be the illumination solution in commercial, industrial, institutional and retail applications. An excellent choice for storage/utility areas, coves, display cases, shops, task and general area lighting.

Ordering Information

Example: (DACH-LED-4-35-40-UNV-R-DM)

DACH-LED

Series	Length		Wattage/Lumen		Color Temp.		Voltage		Housing		Option	
Round Architectural LED Channel	2	2'	25	25W/2300 ¹	40	4000K	UNV	120-277V	R	Round	EM	Emergency
			35	35W/3710 ¹	50	5000K					DM	Dimmable
			50	50W/5415 ¹							CSC	Control Scope Connected
	4	4'	25	25W/2560 ¹							MS	Motion Sensor
			35	35W/3710 ¹								
			50	50W/5415 ¹								
	8	8'	45	45W/4600 ¹								
			60	60W/7650 ¹								
			100	100W/10368 ¹								

¹ Delivered Lumens (4000K)

* See total system power consumption and lumen chart on Page 2

Features

- Die formed channel.
- Powder coated white enamel finish after fabrication.
- Easy wireway access/wireway cover removed without tools.
- Numerous KOs for easy installation.
- Also available in tandem 8' lengths, and tandem wired 16' lengths.
- UL listed, CSA certified - Damp Location rated.
- Projected L70 lifetime is 174,000+ hours
- This driver is 0-10V dimming standard.
- OPTICS: Architectural frosted diffuse lens eliminates pixelation, improves uniformity and minimizes glare.
- CRI: 80+
- Operating Temperature: 0°-55°C Max Ambient
- DLC Listed (See page 2 for matrix on which models are listed).

Step Dimming & Bi-Level

FSP-211

The FSP-211 mounts in an outdoor lighting fixture and provides multi-level control based on motion. The sensor also includes a photocell to measure the ambient light level. It controls 0-10 VDC LED drivers or dimming ballasts, as well as non-dimming ballasts and, with an SFP-LX Lens, is rated for wet and cold locations. All control parameters are adjustable via a wireless configuration tool capable of storing and transmitting sensor profiles.

Key Factors

- Fully adjustable high and low dimmed light levels.
- Designed for LED fixtures; rated for extreme temperatures and up to 200,000 on/off cycles
- Hold off setpoint with automatic calibration option for convenience and added energy savings
- Adjustable via handheld wireless configuration tool
- IP66 rated with choice of lenses for wet and outdoor locations, and mounting heights from 8' to 40'
- Adjustable time delay and cut off delay



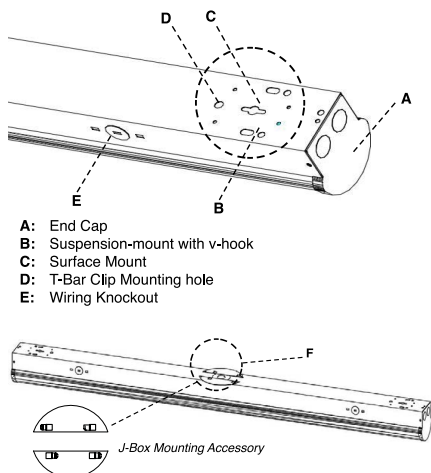
DLC Listed

	2'		4'		8'		
	25W	25W	35W	50W	45W	60W	100W
4000K	X	X	X	X	X	X	X
5000K	X	X	X	X	X	X	X

Lumen Chart

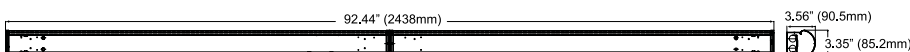
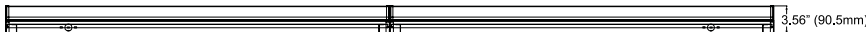
Model	Lumen Chart		
	System Watts	5000K	4000K
2' 25W	20	2360	2300
4' 25W	22	2560	2530
4' 35W	35	3791	3710
4' 50W	45	5533	5415
8' 45W	40	4700	4600
8' 60W	67	7700	7650
8' 100W	95	10575	10368

Mounting Details

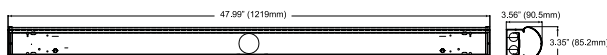


Dimensions

Round 8ft

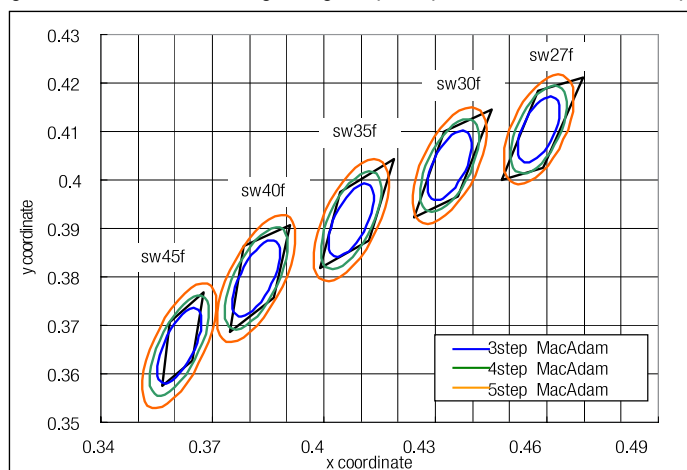


Round 4ft



MacAdam Ellipse

A MacAdam ellipse is a region on a chromaticity diagram which contains all colors which are indistinguishable, to the average human eye, from the color at the center of the ellipse. This measure helps to establish the variability in color a light source can exhibit before a general observer will notice the shift in color. Each standard deviation out from the target center is referred to as a MacAdam step, with ANSI recommending that lamp manufacturers stay within a "4-step" ellipse. This 4-step MacAdam minimum requirement means that lamp manufacturers are given a great deal of allowance regarding the perceptible differences in color properties of their fixtures versus what they advertise.



Deco Lighting uses only the finest LEDs made by Nichia, the world's largest LED manufacturer. The Nichia LED is considered the Rolls Royce of LEDs. Featuring a 3-step MacAdam ellipse, the tightest binning in the industry, Nichia LEDs are held to a higher standard than minimum industry requirement and don't color-shift like fixtures utilizing lower quality LEDs.

sw27f	
x	y
0.4478	0.3999
0.4576	0.4183
0.4698	0.4212
0.4591	0.4025

sw30f	
x	y
0.4244	0.3923
0.4325	0.4101
0.4452	0.4146
0.4362	0.3965

sw35f	
x	y
0.3989	0.3819
0.4045	0.3975
0.4452	0.4044
0.4362	0.3875

sw40f	
x	y
0.3746	0.3687
0.3783	0.3836
0.3909	0.3906
0.3864	0.3757

sw45f	
x	y
0.3565	0.3576
0.3585	0.3706
0.3675	0.3769
0.3646	0.3627

DACH-LED

Architectural LED Channel



Job Information

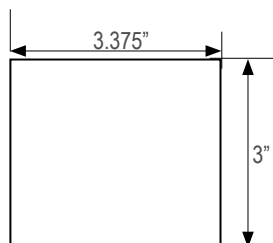
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**Square
Housing**

Description

The DACH-LED square series is a functional and multi-purpose channel family that incorporates premium performance and construction durability. The performance and application versatility makes this fixture usable in every application. This fixture can be installed using various mounting methods and numerous options and accessories are available. The DACH-LED square series can be the illumination solution in commercial, industrial, institutional and retail applications. An excellent choice for storage/utility areas, coves, display cases, shops, task and general area lighting.

Features

- Die formed channel.
- Powder coated white enamel finish after fabrication.
- Easy wireway access/wireway cover removed without tools.
- Numerous KOs for easy installation.
- Also available in tandem 8' lengths, and tandem wired 16' lengths.
- UL listed, CSA certified.
- Projected L70 lifetime is 100,000+ hours
- This driver is 0-10V dimming standard.
- OPTICS: Architectural frosted diffuse lens eliminates pixelation, improves uniformity and minimizes glare.
- CRI: 80+

Ordering Information

Example: (DACH-LED-2-25-35-UNV-EM)

DACH-LED

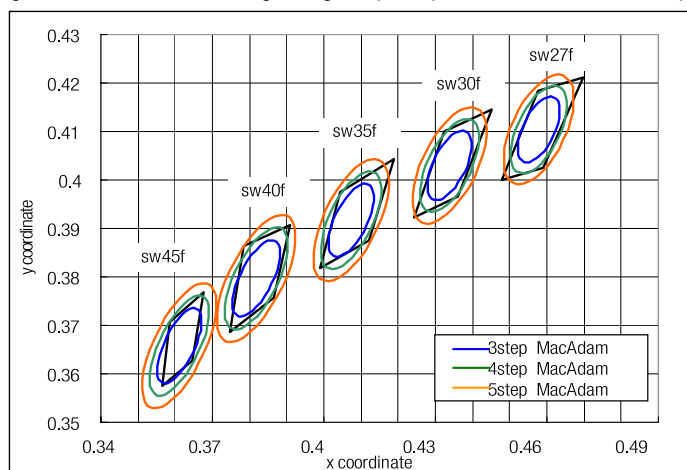
Series	Length	Wattage/Lumen	Color Temp.	Voltage	Option
Square Architectural LED Channel	2	2'	12	12W/1140 ¹	30 3000K 35 3500K 40 4000K 50 5000K UNV 120-277V EM Emergency DM Dimmable CSC Control Scope Connected 2D 2 Drivers MS Motion Sensor
			25	25W/2375 ¹	
	4	4'	35	35W/3325 ¹	
			45	45W/4275 ¹	
			60	60W/5700 ^{1,3}	
	8	8'	60	60W/5700 ¹	
			90	90W/8550 ¹	
			120	120W/11400 ¹	

¹ Delivered Lumens (4000K)

³ For 5000K, multiply by 1.05, For 3500K, multiply by 0.98, For 3000K, multiply by 0.95

MacAdam Ellipse

A MacAdam ellipse is a region on a chromaticity diagram which contains all colors which are indistinguishable, to the average human eye, from the color at the center of the ellipse. This measure helps to establish the variability in color a light source can exhibit before a general observer will notice the shift in color. Each standard deviation out from the target center is referred to as a MacAdam step, with ANSI recommending that lamp manufacturers stay within a "4-step" ellipse. This 4-step MacAdam minimum requirement means that lamp manufacturers are given a great deal of allowance regarding the perceptible differences in color properties of their fixtures versus what they advertise.



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x	y
0.4478	0.3999
0.4576	0.4183
0.4698	0.4212
0.4591	0.4025

sw30f	
x	y
0.4244	0.3923
0.4325	0.4101
0.4452	0.4146
0.4362	0.3965

sw35f	
x	y
0.3989	0.3819
0.4045	0.3975
0.4452	0.4044
0.4362	0.3875

sw40f	
x	y
0.3746	0.3687
0.3783	0.3836
0.3909	0.3906
0.3864	0.3757

sw45f	
x	y
0.3565	0.3576
0.3585	0.3706
0.3675	0.3769
0.3646	0.3627