



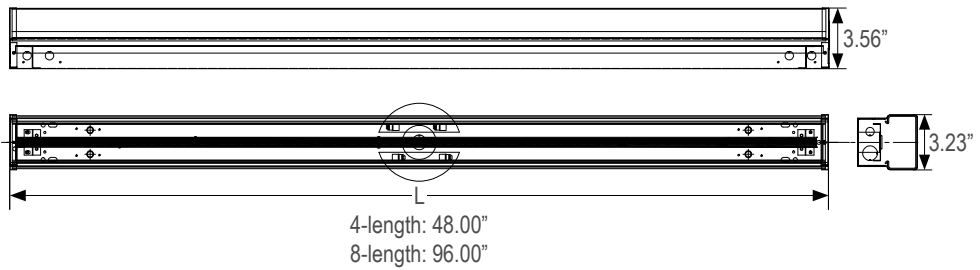
DECO® | LIGHTING

# DACH-LED Square Architectural LED Channel



## Job Information

Type:	
Catalog #:	
Project:	
Comments:	
Prepared by:	



## Description

The DACH-LED square luminaire is a functional and multi-purpose LED channel fixture that incorporates premium performance with durable construction. Next-generation performance (delivering up to 138 lumens per watt) and application versatility makes this fixture usable in nearly any interior lighting application. The DACH-LED square series can be the illumination solution in commercial, industrial, institutional and retail applications. The luminaire is designed to illuminate storage/utility areas, coves, display cases, shops, task areas and general area lighting.

## Ordering Information

Example: (DACH-LED-4-35-35-U-S-D-W-E)

DACH-LED

Series	Length		Wattage/Lumens		Color Temp		Voltage	Housing	Dimming	Body Type	Paint Finish	Options
Square Architectural LED Channel Luminaire	4	4'	35	35W/4600 <sup>2,5</sup>	35	3500K	U 120-277V	S Square	D 0-10V Dimming <sup>1</sup>	O One-Piece Lens (8-ft units only) <sup>3</sup>	W White	M E K Motion Sensor <sup>4</sup> Emergency ControlScope Connected
	8	8'	65	65W/8500 <sup>2,5</sup>	40	4000K						

<sup>1</sup> Standard for Fixture

<sup>2</sup> Delivered Lumens (4000K) - See full lumen chart on Page 2

<sup>3</sup> Only applies to 8-ft models. Indicates single 8-ft unit rather than two 4ft units connected together

<sup>4</sup> FSP-211 Motion Sensor (see Page 3 for more information on features and benefits)

<sup>5</sup> DLC Listed Wattage (see Page 3 for models currently listed)



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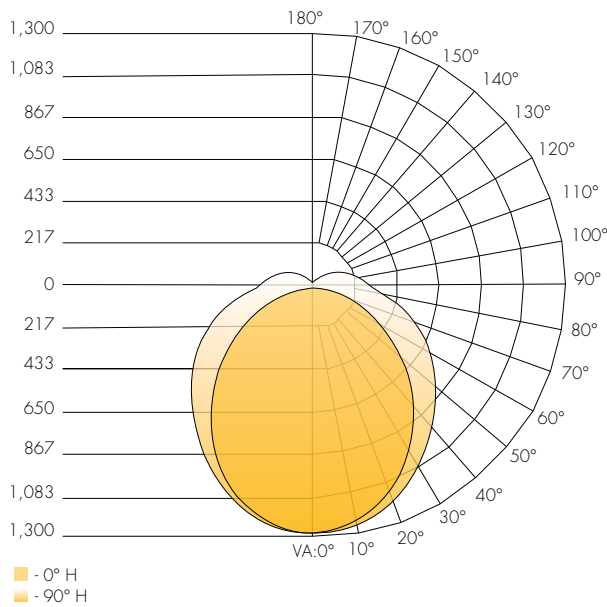
## Features

- DLC Premim listed for utility rebates (see Page 3 for models currently listed)
- Die formed channel with square shaped diffuser
- Powder coated white enamel finish after fabrication.
- Easy wireway access/wireway cover removed without tools.
- Numerous KOs for easy installation.
- UL listed, suitable for damp location
- LED driver is 0-10V dimming standard.
- OPTICS: Architectural frosted diffuse lens eliminates pixelation, improves uniformity and minimizes glare.
- Operating Temperature: -20°C to +50°C Ambient
- Performs at up to 138 lumens per watt; CRI: 83+
- L70 Lifetime Rating: 106,000 Hours
- E - Emergency backup to provide 16W (2000 Lumens) MAX load for 90 min.

## Photometric Data

### 4' 35W 4000K Model

Polar Candela Distribution



## Lumen Chart

Model	System Wattage	4000K	3500K
4' 35W	33.5	4600	4450
8' 65W	62.3	8500	8200

### Zonal Lumen Summary

Zone	Lumens	%Luminaire
0-30	984.0	21.5%
0-40	1,596.9	34.9%
0-60	2,829.3	61.9%
50-90	1,142.4	25%
70-100	818.1	17.9%
90-120	433.2	9.5%
0-90	3,971.8	86.9%
90-180	599.7	13.1%
0-180	4,571.4	100%

Coefficients of Utilization - Zonal Cavity Method  
Effective Floor Cavity Reflectance: 20%

RCC %:	80				70				50				30				10				0
RW %:	70	50	30	0	70	50	30	0	50	30	20	10	50	30	20	10	50	30	20	10	0
RCR: 0	1.16	1.16	1.16	1.16	1.12	1.12	1.12	.87	1.04	1.04	1.04	.97	.97	.97	.97	.90	.90	.90	.90	.87	
1	1.04	.98	.93	.89	1.00	.95	.90	.70	.88	.84	.81	.82	.79	.76	.76	.74	.74	.72	.72	.69	
2	.94	.85	.77	.71	.90	.82	.75	.57	.76	.71	.66	.71	.66	.62	.66	.62	.59	.56	.56	.56	
3	.85	.74	.65	.59	.82	.71	.64	.48	.67	.60	.54	.62	.57	.52	.58	.53	.49	.47	.47	.47	
4	.78	.65	.56	.49	.74	.63	.55	.41	.59	.52	.46	.55	.49	.44	.51	.46	.42	.39	.39	.39	
5	.71	.58	.49	.42	.68	.56	.48	.36	.53	.45	.40	.49	.43	.38	.46	.41	.36	.34	.34	.34	
6	.66	.52	.43	.37	.63	.51	.42	.31	.48	.40	.35	.45	.38	.33	.42	.36	.32	.30	.30	.30	
7	.61	.47	.38	.32	.59	.46	.38	.28	.43	.36	.31	.41	.34	.29	.38	.33	.28	.26	.26	.26	
8	.57	.43	.35	.29	.54	.42	.34	.25	.39	.32	.27	.37	.31	.26	.35	.30	.25	.23	.23	.23	
9	.53	.40	.31	.26	.51	.38	.31	.22	.36	.29	.24	.34	.28	.24	.32	.27	.23	.21	.21	.21	
10	.50	.36	.29	.23	.48	.35	.28	.20	.34	.27	.22	.32	.26	.21	.30	.25	.21	.19	.19	.19	

## Bi-Level Motion Sensor

### 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



## Performance Data

CRI:	83+
CCT:	3500K, 4000K
Warranty:	10 yr. Warranty w/Labor Allowance
Dimming:	0-10V Dimming Standard, 100% down to 10%
Operating Temperature:	-20°C to +50°C Ambient
Projected Lifetime Rating:	106,000 Hours (L70)
Power Factor:	> 0.90
Total Harmonic Distortion (THD):	< 15%

## Projected LED Maintenance

Operating Hours	0	25,000	50,000	75,000	100,000
Lumen Maintenance Factor	25°C Ambient Interior Temp (77°F)				
	1	0.93	0.85	0.78	0.72
	45°C Ambient Interior Temp (113°F)				
	1	0.91	0.82	0.73	0.66

## DLC Listed

	4'	8'
	35W	65W
3500K	X	X
4000K	X	X