



DECO | LIGHTING

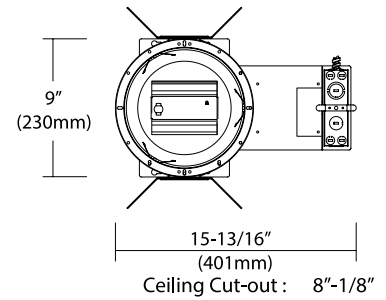
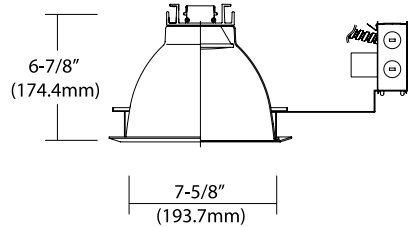
DLED-AFK8

8" NON-IC Architectural Frame-in LED Kit



Job Information

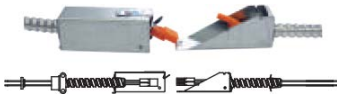
Type:	
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Project:	
Comments:	
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Description

8" Architectural frame-in kits combined with LED module and integral reflector. This is designed for use in non-insulated ceiling. Insulation material must be kept a minimum of 3" from fixture. Provided in high efficacy LED with dimmable driver and the special optical diffusion allows high lumen transmission and light uniformity.

Optional: Easy-quick connector case (patent pending)



Ordering Information

Example: (DLED-AFK8-14A-50-DLEDT-R822-UNV-DM)

DLED-AFK8

Series	Wattage/Lumens	Color Temp.	Trim	Voltage	Options
8" NON-IC Architectural Frame-in Kit	14A 14W/960	30 3000K	See page 3	UNV 120-277V ¹	DM Dimmable ² ECQ Easy-Quick Connector case
	23 23W/1760	35 3500K			
	30 30W/2280	40 4000K			
	45 45W/3340				

¹Triac 120V low voltage electronic dimmer switches
²0-10V dimmer switches



Deco Lighting practices a program of continuous product development, and as a result product specifications change frequently. We reserve the right to change product specifications without notice. Contact Deco for the latest product information.

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Rev Date: 8/03/16 #1

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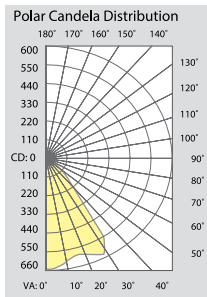
8" NON-IC Architectural Frame-in LED Kit

Features

- Mounting Frame**
 20-gauge CRS mounting ring, black-painted. 1-5/8" deep collar may use for various thickness of ceiling materials.
- LED module & Trim**
 Aluminum extruded Heat sink designed to facilitate heat dissipation to reduce LED junction temperature for maintaining constant light output, color and life of solid state components.
 Module construction includes LED, heat sink and lens.
 Heavy gauge aluminum reflector anodized in clear, haze, gold, champagne and pewter color finish.
 Reflectors may provide with black and white milled groove baffle collar.
- Junction Box**
 Listed for through branch circuit wiring. (Max. 8 No 12 AWG 90°C branch circuit conductors. (4 in, 4 out) (5) 1/2" knockouts with true pry-out slots and (4) knockouts with Romex cable clamp.
 Ground wire provided on J-box.
- Mounting Channel Bracket**
 Commercial mounting kit provided up to 5" vertical adjustment, which accommodates 1/2" EMT conduit,

- optional HB-24 or HBC-24 bar hanger or lathing channels for T-bar grid or concealed spline ceiling.
- Electrical**
 120-277V input high efficacy drivers with the capability to dim by 1a Triac 120V low voltage electronic dimmer switches, or 2b 0-10V dimmer switches.
 Driver feature power factor >.90, THD <20% and has integral thermal protection to sense over temperature or internal failure.
 Driver mounts externally to the module, allowing future replacement, if needed.
 Consult with factory for optional 0-10V analog dimmable driver.
- Options**
 Emergency battery back-up: Available in mounted to fixture or remote adjacent to luminaire (consult with factory for exact application).
- Warranty**
 50,000hrs of lamp life.
- Listing**
 ETL Listed. CA Title 24.

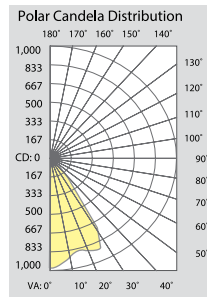
Photometry



Illuminance at a Distance

Center Beam FC	Beam Width
2.0ft: 163.9 fc	3.1 ft
4.0ft: 41.0 fc	6.3 ft
6.0ft: 18.2 fc	9.4 ft
8.0ft: 10.2 fc	12.5 ft
10.0ft: 6.6 fc	15.7 ft
12.0ft: 4.6 fc	18.8 ft

Beam Spread: 63°

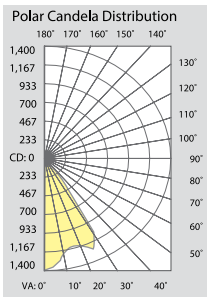


Illuminance at a Distance

Center Beam FC	Beam Width
2.0ft: 248.0 fc	3.1 ft
4.0ft: 62.0 fc	6.3 ft
6.0ft: 27.6 fc	9.4 ft
8.0ft: 15.5 fc	12.5 ft
10.0ft: 9.9 fc	15.6 ft
12.0ft: 6.9 fc	18.8 ft

Beam Spread: 63°

14W

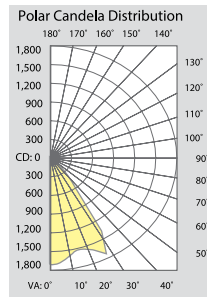


Illuminance at a Distance

Center Beam FC	Beam Width
2.0ft: 348.8 fc	3.2 ft
4.0ft: 87.2 fc	6.3 ft
6.0ft: 38.8 fc	9.5 ft
8.0ft: 21.8 fc	12.7 ft
10.0ft: 14.0 fc	15.8 ft
12.0ft: 9.7 fc	19.0 ft

Beam Spread: 63°

23W



Illuminance at a Distance

Center Beam FC	Beam Width
2.0ft: 417.7 fc	3.1 ft
4.0ft: 104.4 fc	6.2 ft
6.0ft: 46.4 fc	9.3 ft
8.0ft: 26.1 fc	12.4 ft
10.0ft: 16.7 fc	15.6 ft
12.0ft: 11.6 fc	18.7 ft

Beam Spread: 63°

30W

45W

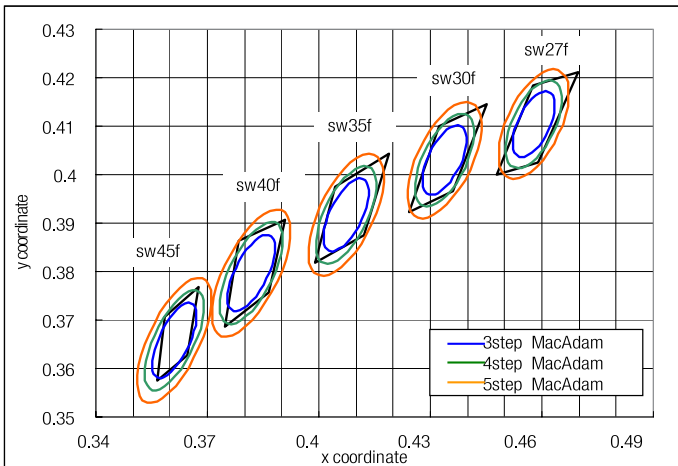
Trims

DLEDT-R84 Specular Open Reflector	DLEDT-R814 Baffle w/ Reflector	DLEDT-R841 Baffle w/ Regressed Lens
		
		
DLEDT-R822 Reflector w/ Regressed Lens	DLEDT-R836 Wall Wash w/ Kick-Off Plate	DLEDT-R840 Reflector w/ Frosted Floating Lens

All trims are rated for damp location and regressed lens trims are wet location listed.

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