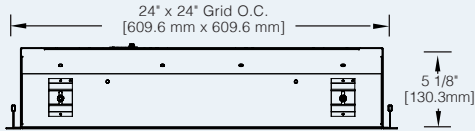


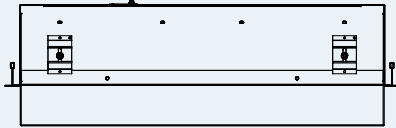


Affinity Series | AFNL 2x2

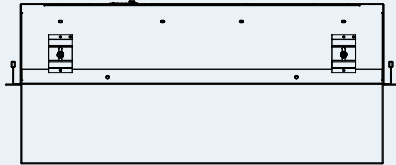
Date	Notes
Project	
Type	Qty



00 = Flush Lens



20 = 2" Drop Lens



30 = 3" Drop Lens



Direct

Features

Adjustable drop lens troffer. Flush to 7" drop in 1" increments. May be field adjusted to 1/2" increments.

LED optimized optics for smooth even illumination and high efficiency.

Installs in a variety of suspended grid ceilings, including Slot Grid and Tegular.

High efficiency programmable driver for custom lumen packages. 0-10V dimming to 1% standard.

High efficacy LEDs in 80 or 90 CRI; two or three channel tunable white; five channel tunable color.

Ordering Guide

MODEL	OPTICS	CCT ¹	LUMENS ²	SIZE	MOUNTING ³	FINISH	OPTIONS
AFNL-D	WOA			22			
AFNL-D Direct	WOA = White Opal Acrylic lens 00 = Flush 10 = 1" drop 20 = 2" drop 30 = 3" drop 40 = 4" drop 50 = 5" drop 60 = 6" drop 70 = 7" drop	27 = 2700K 80CRI 30 = 3000K 80CRI 35 = 3500K 80CRI 40 = 4000K 80CRI 50 = 5000K 80CRI For 90CRI add "9" prefix. Ex: 940 = 4000K @ 90 CRI TUNABLE WHITE¹ (2-Channel) 2DIM10 = for 0-10V 2DMX = for DMX 2DLM = for DLM TUNABLE WHITE¹ (3-Channel) 3DMX = for DMX 3DML = for DLM TUNABLE COLOR¹ (Lumenetix araya5) LX10 = for 0-10V LXDX = for DMX LXDL = for DLM LXDA = for DALI LXLT = for EcoSystem For RGB and RGB/W options please consult factory.	LO = 2235L (21W, 106LPW) SO = 2980L (28W, 106LPW) For lens in flush position. See page 2 for perfor- mance at other lens depths. Consult factory for additional lumen packages. All values are nominal.	22 = 2x2	G = Grid MG = Mini Grid SG = Slot Grid See all mount- ing options page 2.	W = White CC = Custom Color	DIMMING DRIVERS DIM10 = 0-10V (1.0%) DIMSR = 0-10V (5.0%) Sensor Ready DIMST = Step Dimming (40%/100%) DALI = DALI (5.0%) LUTRON™ DIMMING DRIVERS LDE1 = Hi-Lume™ 1%-H EcoSystem™ LDE5 = 5-Series 5% EcoSystem™ L3DAE = Hi-Lume™ 1% EcoSystem™ L3DA3W = Hi-Lume™ 1% 3-Wire LTEA2W = Hi-Lume™ 1% 2-Wire FFC SENSORS & CONTROLS ESN = Philips™ EasySense DAY = Daylight Harvesting OCC = Occupancy Sensor LVC = 2-Channel LV Controller EMERGENCY EPC4 = (4W) 400 Delivered Lumens EPC7 = (7W) 700 Delivered Lumens EPC10 = (10) 1000 Delivered Lumens EPC12 = (12W) 1200 Delivered Lumens GTD = Generator Transfer Device EMC = Emergency Circuit

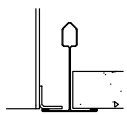
¹Tunable white, tunable color and RGB/W options detailed on page 3.

²Delivered Lumens are Standard Output (SO) and Low Output (LO) at 80+CRI 4000K CCT. Use the following multiplier to estimate delivered lumens at other CCTs: 2700K = 0.94, 3000K = 0.96, 3500K = 0.98, 5000K = 1.02. All values nominal. See page 2 for photometry for lens options

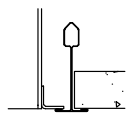
³See page 2 for ceiling mounting options details and full specifications.



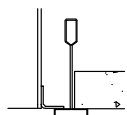
Mounting Options



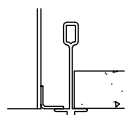
15/16" T-Bar (G)



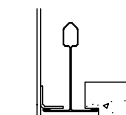
9/16" T-Bar (MG)



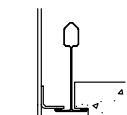
Slot Grid (SG)



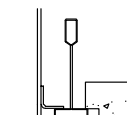
Interlude (XG)



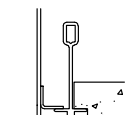
9/16" Tegular Flush (MTGF)



15/16" Tegular Flush (TGF)



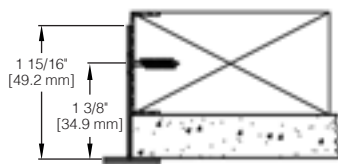
Slot Grid Flush (SGF)



Interlude Flush (XGF)

Drywall Ceiling

Mounting Detail



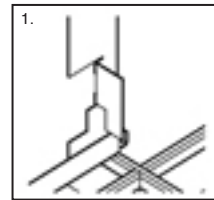
Flange Kit for drywall ceilings available:

FK-22 for 2x2

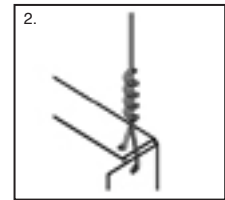
Grid Ceiling

Five-step Universal Installation Sequence.

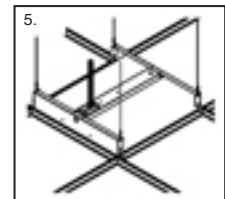
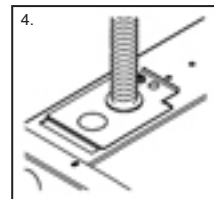
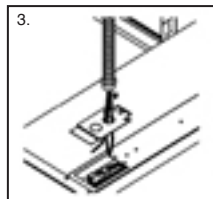
Complete Installation Instructions for grid and drywall ceiling types are available at: www.dayolite.com



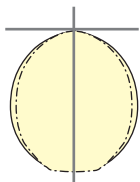
Position Fixture



Secure Tie Wire



Photometry



AFNL-D-00-40-SO-22 (flush lens)

CCT: 4000K
Watts: 28
Lumens: 2979
LPW: 106
Distribution: 100% Direct

AFNL-D-20-40-SO-22 (2" lens drop)

CCT: 4000K
Watts: 28
Lumens: 2863
LPW: 102
Distribution: 100% Direct

AFNL-D-50-40-SO-22 (5" lens drop)

CCT: 4000K
Watts: 28
Lumens: 2739
LPW: 98
Distribution: 100% Direct

AFNL-D-70-40-SO-22 (7" lens drop)

CCT: 4000K
Watts: 28
Lumens: 2669
LPW: 95
Distribution: 100% Direct

Specifications

CONSTRUCTION: Die-formed, 20-gauge, cold rolled steel.

REFLECTOR: Highly reflective, die-formed steel finished in baked white enamel is standard.

SHIELDING: LED optimized white opal acrylic. Specifiable in 1" drop increments. May be field adjusted to 1/2" increments if desired.

LEDS: LED modules¹ in 27/30/35/40 & 50K CCT, 80 CRI (90CRI available). Two, three and five channel White Tuning options available. Lumen maintenance minimum L_{70} = 50,000 hours. 3 SDCM color consistency. Zhaga™ compliant (Book 7). Field replaceable.

ELECTRICAL: Pre-wired Class 2 AOC electronic driver, 120/277V input, PF > 90%, THD < 20 @ 120V. 0-10V dimming to 1%.

MOUNTING: Standard installation is in an exposed inverted T-bar ceiling.

FINISH: Fixture housing and steel components are finished in baked white enamel.

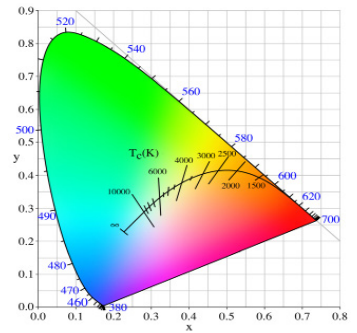
CERTIFICATION: Luminaires are cETLus listed conforming to UL STD. 1598 and certified to CSA STD C22.2 NO. 250.0. Inherently protected; suitable for insulated ceilings. Dry and damp location suitable. Union Made in the United States of America. I.B.E.W.

Tunable White & Tunable Color

Day-O-Lite offers a variety of white tuning options and control protocols for a range of human centric applications and budgets. It is recommended that a recognized authority on the benefits, best practices and control of white tuning be consulted. Contact Day-O-Lite for additional information.

As a rule fewer channels will provide a basic level of performance for budget conscious applications. Conversely, an increased number of channels, a wider CCT range, higher CRI and more precise color consistency may be more appropriate depending on the application and desired results.

This becomes apparent when considering the black body curve within the standard CIE chromaticity diagram. Two connected CCT points, one high and one low will define a line drawn beneath the black body locus. Colors on the locus above the line will not be generated by a two channel system. In contrast, three or more channels will more accurately match the locus, resulting in greater color accuracy from the high to the low end of the range.



2-CHANNEL WHITE TUNING OPTIONS

2DIM10 = 0-10V 2-channel driver (1%)
 1000 lumens/ft. @ 4000K, 8W/ft. nominal
 2700K-6500K white tuning range
 80+ CRI, 3 SDCM color accuracy

2DMX = DMX 2-channel driver (1%)
 1000 lumens/ft. @ 4000K, 9W/ft. nominal
 80+ CRI, 3 SDCM color accuracy

2DLM = Wattstopper® Digital Lighting Management
 Blanco-2® 2700K-6500K (4000K mid-point)
 1000 lumens/ft. @ 4000K, 10W/ft. nominal
 80+ CRI 3 SDCM color accuracy

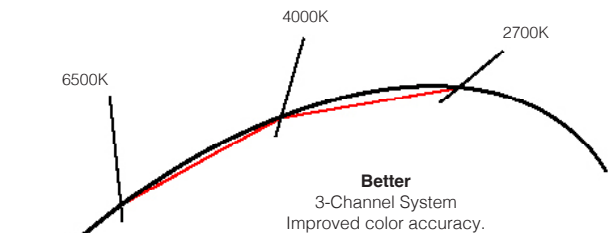
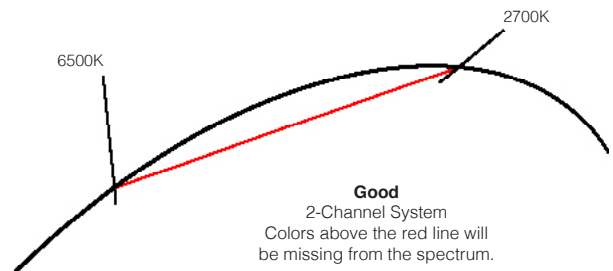
HOW TO SPECIFY

1. Select from the various channel/control options to the left and insert desired ordering code into the **COLOR TEMP** column of the Ordering Guide on page 1. No need to add a dimming option as the codes to the left include the chosen protocol.
2. Select the **SO** option in the **DELIVERED LUMENS** column.
3. Your luminaire will be built to the chosen system and control protocol. Controls available by Others.

3-CHANNEL WHITE TUNING OPTIONS

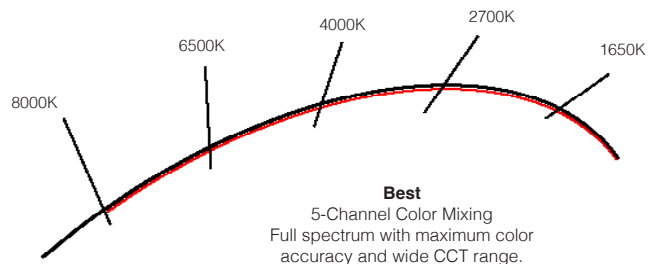
3DMX = eldoLED® POWERdrive™ 561/M Driver
 Luxtech® LED array 2700K-6500K (variable)
 1000 lumens/ft. @ 4000K, 9W/ft. nominal
 80+ CRI, 3 SDCM color accuracy

3DLM = Wattstopper® Digital Lighting Management™
 Blanco-3® 2700K-6500K (4000K mid-point)
 1000 lumens/ft. @ 4000K
 9W/ft. nominal
 90+ CRI, 2 SDCM color accuracy



5-CHANNEL TUNABLE COLOR

LX10 = Lumenetix® araya⁵™ system, Bluetooth & 0-10V compatible
LXDX = Lumenetix araya⁵ system, Bluetooth & DMX compatible
LXDL = Lumenetix araya⁵ system, Bluetooth & DLM* compatible
LXLT = Lumenetix araya⁵ system, Bluetooth & Lutron® EcoSystem™
 Lumenetix araya⁵ Tunable Color System
 RGB/W+ color mixing
 1650K-8000K color temperature range
 CCT, intensity, hue and saturation control
 1000 lumens/ft. @4000K
 10W/ft. nominal
 92+ CRI
 2 SDCM color accuracy
 ALM - araya⁵ logic module (120/277V)
 Bluetooth equipped for use w/araya⁵ iOS App (free)
 *Wattstopper® Digital Lighting Management



Day-O-Lite makes no claims as to the psychological or physiological efficacy of the white color tuning options offered herein.