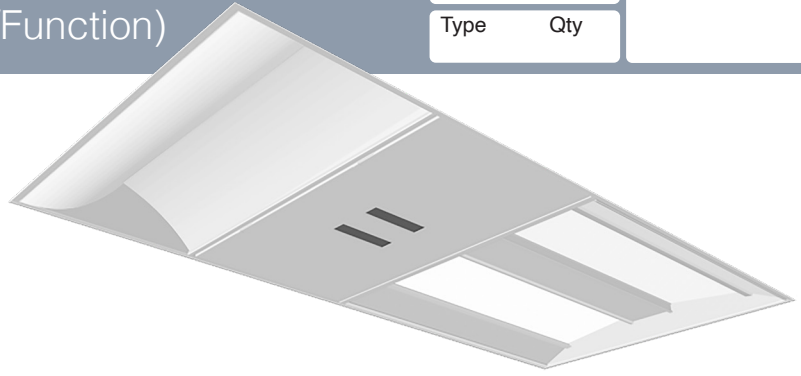
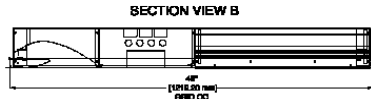
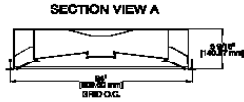
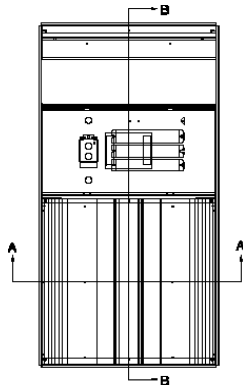




Medical | MEDL-MF-D (Multi-/Function)

Date	Notes
Project	
Type	Qty



Direct Exam/Ambient Reading/Nurses Lights

Features

- Multi-function medical fixture incorporating Exam, Ambient, Reading and Nurses light.
- LED optimized optics in all functions for smooth even illumination without glare.
- For installation in a wide variety of suspended grid and plaster/drywall ceilings.
- High efficiency driver for custom lumen packages. 0-10V dimming to 1% standard.

Ordering Guide

MODEL	OPTICS	CCT ¹	LUMENS ²	SIZE	MOUNTING ³	FINISH	OPTIONS
MEDL-MF-D	SI			24			
MEDL-MF-D Direct Ambient/Exam Reading/Nurses Light	SI = Satin Ice Acrylic	27 = 2700K 80CRI 30 = 3000K 80CRI 35 = 3500K 80CRI 40 = 4000K 80CRI 50 = 5000K 80CRI 90 CRI add *9" Ex: 940 = 4000K @ 90 CRI	LO = Exam = 3660 Ambient = 2160 Reading = 725 SO = Exam = 4900 Ambient = 2880 Reading = 970 Consult factory for additional lumen packages. All values nominal.	24 = 2x4	G = Grid MG = Mini Grid SG = Slot Grid F = Flanged (recessed) S = Surface See all mounting options page 2.	W = White CC = Custom Color AMW = Anti-Microbial White	DIMMING DRIVERS DIM10 = 0-10V (1.0%) - Standard DIMSR = 0-10V (5.0%) Sensor Ready DIMST = Step Dimming (40%/100%) DALI = DALI (5.0%) LUTRON™ DIMMING DRIVERS LDE1 = Hi-Lume™ 1% EcoSystem™ LDE5 = 5-Series 5% EcoSystem™ L3DA3W = Hi-Lume™ 1% 3-Wire LTEA2W = Hi-Lume 1% 2-Wire 120V SENSORS & CONTROLS ESN = Philips™ EasySense DAY = Daylight Harvesting OCC = Occupancy Sensor LVC = 2-Channel LV Controller EMERGENCY EPC4 = 4W Emergency Battery Pack EPC7 = 7W Emergency Battery Pack EPC10 = 10W Emergency Battery Pack EPC12 = 12W Emergency Battery Pack GTD = Generator Transfer Device EMC = Emergency Circuit TCW = Two Circuit Wiring
	TUNABLE WHITE & COLOR¹						
	2-Channel White 2DIM10 = for 0-10V 2DALI = for DALI 2DMX = for DMX 2PSQ = for Lutron 2SNS = for Signify 2CAS = for Casambi						
	3-Channel White 3DML = for DLM						
	3-Channel Color RGB						
	4-Channel Color/White RGBW						
	5-Channel Color/Warm White/Cool White RGBWW						

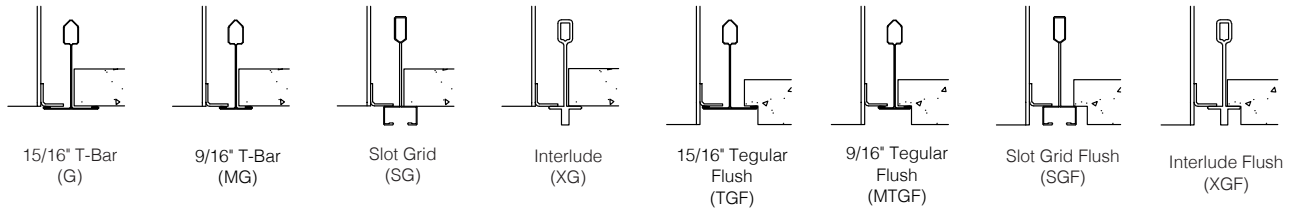
¹Tunable white, tunable color and RGB/W options detailed on page 3.

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.

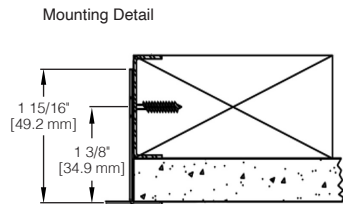
³See page 2 for ceiling mounting options details and full specifications.



Mounting Options



Drywall Ceiling



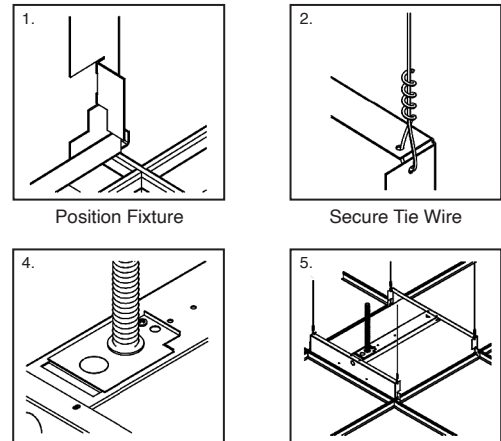
Flange Kit for drywall ceilings available:

FK-24 for 2x4

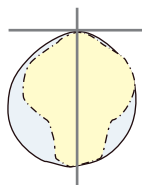
Grid Ceiling

Five-step Universal Installation Sequence.

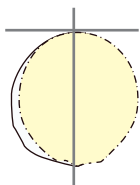
Complete Installation Instructions for grid and drywall ceiling types are available at: www.dayolite.com



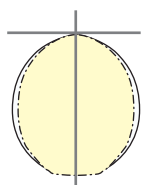
Photometry



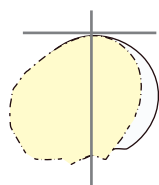
MEDL-MF-SI-40-40-SO-4
(Exam only)
CCT: 4000K
WATTS: 42
LUMENS: 4833
LPW: 115
Distribution:
100% Direct



MEDL-MF-SI-40-40-SO-4
(Ambient only)
CCT: 4000K
WATTS: 32
LUMENS: 2879
LPW: 90
Distribution:
100% Direct



MEDL-MF-40-40-40-40-G
(Exam & Ambient)
4000K CCT
WATTS: 72
LUMENS: 7667
LPW = 106
Distribution:
100% Direct



MEDL-MF-40-40-40-40-G
(Reading Light only)
4000K CCT
WATTS: 14
LUMENS: 967
LPW = 69
Distribution:
100% Direct

Specifications

CONSTRUCTION: 20 gauge CRS housing and internal components.

OPTICS: Standard shielding is LED optimized Satin Ice (SI) acrylic.

LED: LED modules in 30/35/40 & 50K CCT, 80 CRI (90CRI available). Lumen maintenance L_{70} = 50,000 hours. 3 SDCM color consistency.

DRIVER Standard driver is Class 2 AOC 0-10V to 1%, 120/277V input, PF > 90%, THD < 20 @ 120V. Additional dimming protocols available. All drivers prewired from factory for connection to control system (by others). Field replaceable.

MOUNTING: Standard installation is in an exposed inverted T-bar ceiling. Fixtures are supplied with four support brackets for additional support to T-bar. May also be installed in a plaster ceiling (F/TRL mounting option with Flange).

FINISH: Housing and components finished in baked white enamel. Canopies and pendant stems are white enamel unless otherwise specified.

CERTIFICATION: Luminaires are cETLus listed conforming to UL STD. 1598 and certified to CSA STD C22.2 NO. 250.0. Suitable for dry & damp locations. Union Made in the United States of America. I.B.E.W. RoHS compliant.

Day-O-Lite offers a variety of tunable white and tunable color options for a range of human centric applications and budgets. It is recommended that a recognized authority on the benefits and best practices of tunable white be consulted prior to specification. 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.

HOW TO SPECIFY

Select from the various channel/control options below 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 include the chosen protocol.

2-CHANNEL TUNABLE WHITE OPTIONS

- 2700K - 6500K CCT range
- 1000L/ft LED modules @ 4000K
- 80+ CRI w/3SDCM color accuracy
- 10W/ft. nominal power

Ordering Codes

- 2DIM10** for 0-10V control
- 2DALI** for DALI control
- 2DMX** for DMX control
- 2PSQ** for Lutron Quantum control
- 2SNS** for control via Signify SNS sensors
- 2CAS** for control via Casambi BLE wireless devices

LEGRAND BLANCO MULTI-CHANNEL OPTIONS

Blanco-2

Blanco-2 mixes two channels of white LEDs to approximate the blackbody curve for tunable white applications. CCT and intensity may be adjusted with controls by others.

- 3000K-5000K CCT range
- 1000L/ft LED modules @ 4000K
- 90+ CRI w/2SDCM color accuracy
- 10W/ft. nominal power

Ordering Codes

- B2DLM** for DLM control

Blanco-3

Blanco-3 mixes three channels of white LEDs across a wider range of color temperatures for more demanding tunable white applications. CCT and intensity may be adjusted with controls by others.

- 2700K-6500K CCT range
- 1000L/ft. LED modules @ 4000K
- 90+ CRI w/SDCM color accuracy
- 10W/ft. nominal power

Ordering Codes

- B3DLM** for DLM control

RGB & RGBW TUNABLE COLOR

- RGB = Red, Green, Blue color mixing LEDs
- RGB/W = Red, Green, Blue + White of chosen CCT
- Dimming from 100% to 1%.
- 90+ CRI w/3SDCM color accuracy
- 10W/ft. nominal power

Notes:

- RGB requires an RGB DMX or DALI controller (by others)
- RGBW requires an RGBW DMX or DALI controller (by others)
- All channels on one driver is standard, if isolating the White from the RGB channels is desired please consult factory.
- RGB and RGBW are not recommended for tunable white applications.

Ordering Codes

- RGB** for DMX control
- RGB27** for DMX control w/2700K white
- RGB30** for DMX control w/3000K white
- RGB35** for DMX control w/3500K white
- RGB40** for DMX control w/4000K white
- RGB50** for DMX control w/5000K white
- RGB65** for DMX control w/6500K white
- Add Suffix **DAL** for DALI Control to codes above.

5-CHANNEL TUNABLE WHITE AND COLOR

- RGBWW = Red, Green, Blue, Warm White, Cool White.
- Consult factory for RGBWW tunable white/color options.

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