# DAY-O-LITE

## Medical Series │ MEDL-PL-DI (Patient Light)

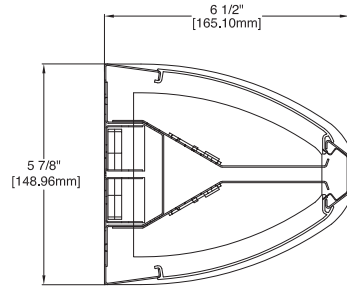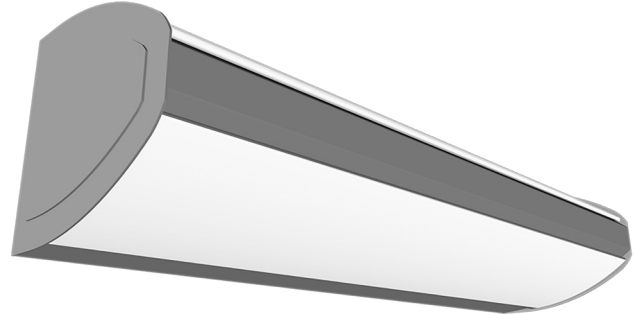| Date | Notes |
|------|-------|
| **Project** | |
| **Type** **Qty** | |

6 1/2"
[165.10mm]

5 7/8"
[148.96mm]

Direct/Indirect

## Features

Direct/Indirect patient headwall bed light.

Wall mount luminaire, smooth lenses for easy wipe-down.

High efficiency 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; tunable color.

## Ordering Guide

| MODEL | OPTICS | CCT[1] | LUMENS[3] | SIZE | MOUNTING | FINISH | OPTIONS |
|-------|--------|--------|-----------|------|----------|--------|---------|
| **MEDL-PL-DI** | **SI** | | | | **WM** | | |
| MEDL-PL-DI Direct/Indirect | SI = Satin Ice Acrylic | **STATIC WHITE** 27 = 2700K 30 = 3000K 35 = 3500K 40 = 4000K 50 = 5000K  **BIOS SkyBlue**[2] Spectrally optimized circadian solutions.  **TUNABLE WHITE** (2700K-6500K) 2DIM10 = for 0-10V 2DMX = for DMX 2ESN = for Philips 2CAS = for Casambi 2LUT = for Lutron  **DIM-TO-WARM** DTW = Dim-to-Warm  **RGB & WHITE** RGB = RGB RGBW = RGBW RGBWW = RGBWW (2700K-6500K) | LO = 1200/ft 600/ft Direct 600/ft Indirect (10W, 118LPW)  SO = 1650/ft 825/ft Direct 825/ft Indirect (14W/ft, 118LPW)  **CUSTOM** Specify value < HO. | 1 = 1' 2 = 2' 3 = 3' 4 = 4' | WM = Wall Mount | W = White  CC = Custom Color  AMW = Anti-Microbial White | **DIMMING DRIVERS** DIM10 = 0-10V (1%) Standard DTO = 0-10V (Dim-to-Off) DIMST = 0-10V Step Dimming DIMSR = DALI Sensor Ready (5.0%) DALI = DALI (5.0%) DMX = DMX  **LUTRON™ DIMMING DRIVERS** LDE1 = Hi-Lume 1% EcoSystem LD2 = Digital 1% (DALI-2) L3DA3W = Hi-Lume 1% 3-Wire  **SENSORS & CONTROLS**[4] AVO = Avi-On Sensor AWNS = Lutron Athena Sensor ESN = EasySense Sensor CAS = Casambi Wireless Control  **EMERGENCY & OTHER**[5] EMC = Emergency Circuit GTD = Generator Transfer Device EPC4 = 4W Emergency Battery Pack EPC6 = 6.5W Emergency Battery Pack EPC10 = 10W Emergency Battery Pack EPC12 = 12W Emergency Battery Pack LVC = Low Voltage Controller  **WIRING** FWH = Flexible Wiring Harness DWH = DMX Wiring Harness |

[1] CCT @ 80+CRI, 3SDCM. For 90CRI add prefix "9"; ex: 935 = 3500K, 90CRI.

[2] BIOS SkyBlue Biological Static & Dynamic page 2.

[3] Photometrics page 3.

[4] All Sensor & Control options page 2. Sensors remote mount only.

[5] EPC6 is standard unless otherwise specified. EPC not for DMX drivers.

**BAA** letter of compliance available at www.dayolite.com.

## LED, BIOS, Sensor & Control Ordering Codes

### LED

**Static White**

30 = 3000K 80 CRI
35 = 3500K 80 CRI
40 = 4000K 80 CRI
50 = 5000K 80 CRI

927 = 2700K 90 CRI
930 = 3000K 90 CRI
935 = 3500K 90 CRI
940 = 4000K 90 CRI

**Tunable White[1]**
(2700K-6500K)

2DIM10 = 0-10V 80 CRI
2DMX = DMX 80 CRI
2CAS = Casambi Wireless 80 CRI
2ESN = Philips EasySense 80 CRI
2LUT = Lutron (LD2) 80 CRI

92DIM10 = 0-10V 90 CRI
92DMX = DMX 90 CRI
92CAS = Casambi Wireless 90 CRI
92ESN = Philips EasySense 90 CRI
92LUT = Lutron (LD2) 90 CRI

**Dim-to-Warm[2]**

DTW = 6500K-2700K 80 CRI
9DTW = 6500K-2700K 90 CRI

**RGB/W [3]**

RGB = RGB only
RGB27   = RGB w/2700K
RGB30 = RGB w/3000K
RGB35 = RGB W/3500K
RGB40 = RGB w/4000K
RGB50 = RGB w/5000K
RGBWW = RGB w/2700K-6500K

**Single Color**

RED = Red
BLU = Blue
GRN = Green
AMB = Amber

### BIOS SkyBlue

bios
ILLUMINATED

BIOS SkyBlue biological technology brings the benefits of blue skies inside. BIOS SkyBlue is the only spectrally optimized circadian solution to target the region that drives wellness benefits including: increased alertness, enhanced productivity, better mood, and better sleep. More information may be found at www.bioslighting.com or by contacting Day-O-Lite directly. All options for 0-10V control.

**BIOS Biological Static**
For daytime applications. BIOS Static Biological LED features key BIOS SkyBlue (490nm) for maximum daytime circadian impact.

B30 = 3000K
B35 = 3500K
B40 = 4000K

**BIOS Biological Dynamic White**
Designed to transition from daytime to evening in a dim-to-warm protocol. The daytime CCT includes full BIOS SkyBlue (490nm) for maximum daytime circadian impact, while the evening spectrum removes BIOS SkyBlue for minimal circadian stimulus after hours.

B30D = 3000K-2700K
B35D = 3500K-3000K
B40D = 4000K-3500K

**BIOS Biological Tunable White**
Designed to transition from daytime to evening in a tunable white protocol. The daytime CCT includes full BIOS SkyBlue (490nm) for maximum daytime circadian impact, while the evening spectrum removes BIOS SkyBlue for minimal circadian stimulus after hours.

B30T = 3000K-2700K
B35T = 3500K-2700K
B40T = 4000K-2700K

### Sensors & Controls

**Sensors**

AVO = Avi-On Occ/Day
AVM = Avi-On Occ (Microwave)
BNV = BubblyNet Occ/Day
ENC = Encelium Occ/Day
ENL = EnLighted Occ/Day/Temp
LEG = Legrand Occ/Day
ANW = Lutron Athena Occ/Day
VIVE = Lutron Vive Occ/Day
NLT = Acuity nLight Occ/Day
NXC = Current NX Occ/Day
ESN = Philips EasySense Occ/Day
WVL = Cooper WaveLinx Occ/Day

**Wireless Control**

CAS = Casambi

Sensors and control options to be commissioned wirelessly in the field by qualified controls personnel with applicable apps (by others).
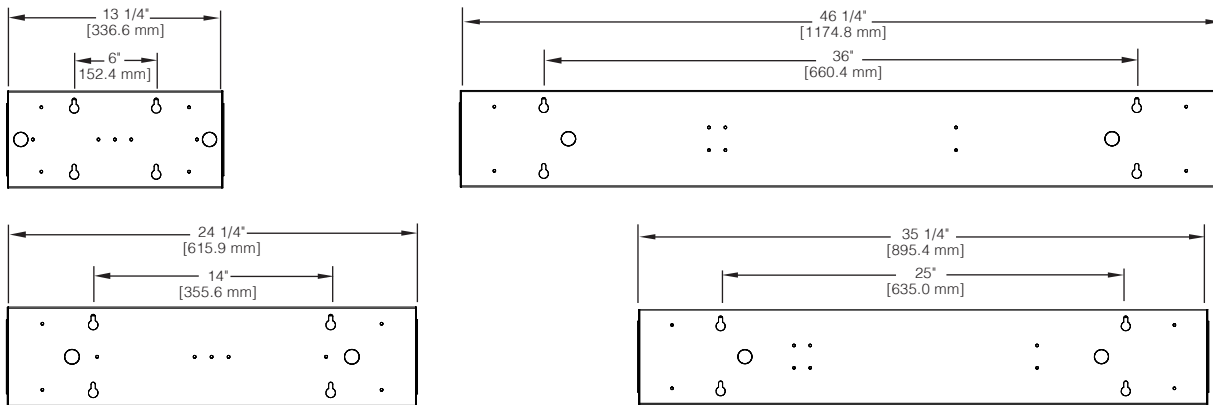
**Other Options**

Other sensor and wireless control options are available. Contact factory for details.

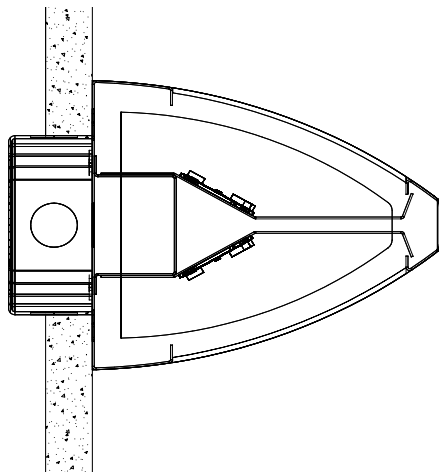[1]Tunable white may be controlled by a number of dimming protocols as shown.

[2]Dim-to-Warm mimics incandescent dimming by warming the CCT from 6500K to 2700K as light levels are dimmed.

[3]All RGB, RGBW and RGBWW options for DMX control (by others). 80 CRI standard.

## Linear Sections and Mounting Locations



13 1/4"
[336.6 mm]

6"
[152.4 mm]

46 1/4"
[1174.8 mm]

36"
[660.4 mm]

24 1/4"
[615.9 mm]

14"
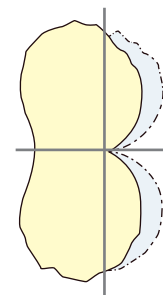[355.6 mm]

35 1/4"
[895.4 mm]

25"
[635.0 mm]

## Installation Preparation



Standard installation is direct to junction box or conduit feed.  Mounting holes provided for additional supporting hardware (supplied by others).

## Photometry



MEDL-PL-DI-SI-40-**LO**-4-WM

CCT: 4000K
WATTS: 42
LUMENS: 4950
LPW: 117
Distribution:
50% Direct
50% Indirect

MEDL-PL-DI-SI-40-**SO**-4-WM

4000K CCT
WATTS: 56
LUMENS: 6601
LPW = 117
Distribution:
50% Direct
50% Indirect

## Specifications

**CONSTRUCTION:** 20 gauge CRS housing and internal components.

**OPTICS:** Standard shielding is LED optimized Satin Ice (SI) acrylic.  Diffuser is lift and shift style for easy maintenance.

**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:** 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 wall mount.

**FINISH:** Housing and components finished in baked white enamel.

**CERTIFICATION:** 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, BAA compliant, Declare Red List Approved.

**LEGAL:** Day-O-Lite, a division of SCW Corporation. All rights reserved. The Day-O-Lite logo is a registered trademark of SCW Corporation.
Day-O-Lite reserves the right to change specifications without notice for product improvement.