☀ DAY·O·LITE

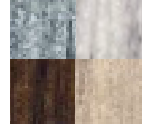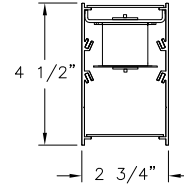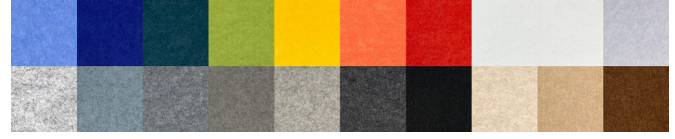## Compass Series | COML-24-DI Acoustic
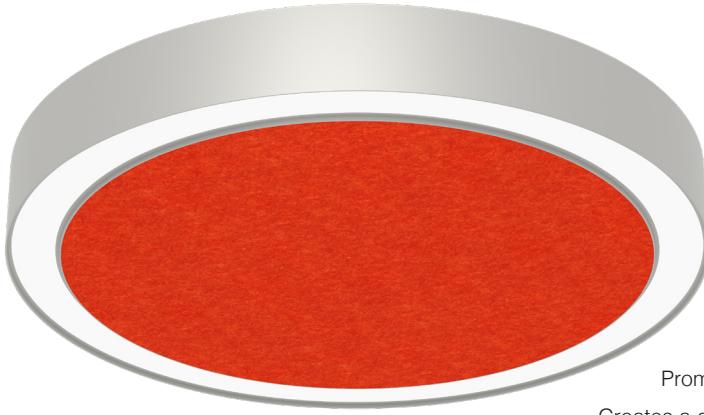
Acoustic Options
and details page 4.

Features

Combines noise control and illumination in a simple solution.

Promotes an inviting space for personal wellbeing, focus and concentration.

Creates a decorative floating ceiling in otherwise open-ceiling interior applications.

Boosts human performance by reducing distracting noise levels and reverberations.

Improves privacy during sensitive communcation by reducing echoes and reflected sound.

A **Declare** Red List Approved product.

4 1/2"
2 3/4"

BAA & BABA COMPLIANT • DLC LISTED • Declare. • bios ILLUMINATED • cETLus • CSA • made in USA

Ordering Guide

MODEL	OPTICS	CCT[1]	LUMENS[4]	DIAMETER	MOUNTING[4]	FINISH	OPTIONS
COML-24-DI	**DP**						
COML-24-DI Direct/Indirect Acoustic	DP = Diffuse Polycarbonate (lay-in) 2 ft, 3 ft, and 4 ft diameters include a one piece lens. All other diameters consist of multiple lenses that match their respective section size and count.	**STATIC WHITE[1]** 27 = 2700K 30 = 3000K 35 = 3500K 40 = 4000K 50 = 5000K **BIOS SkyBlue[2]** Spectrally optimized circadian solutions. **TUNABLE WHITE[3]** (2700K-6500K) 2DIM10 = for 0-10V 2DMX = for DMX 2ESN = for Philips 2CAS = for Casambi **DIM-TO-WARM[3]** (2700K-6500K) DTW = Dim-to-Warm **RGB + WHITE[3]** RGB = RGB RGBW = RGBW RGBWW = RGBWW (X' diameter and up) **ADVANCED COLOR[3]** 125mm incremental pixel color control for chase and animated effects.	**STANDARD[4]** See table page 4 for lumen for all diameters. **CUSTOM LUMENS[4]** For custom lumens specify < HO.	2 = 2' (23") 3 = 3 ft. (35") 4 = 4 ft. (47") 5 = 5 ft. (5") 6 = 6 ft. (6") 8 = 8 ft. (8") 10 = 10 ft. (10") 12 = 12 ft. (12") 16 = 16 ft. (16") 20 = 20 ft. (20") For custom sizes please enter diameter.	AC = Aircraft Cable PD = Pendant Stem ACM = Mono Point (2'-5' only)	**FIXTURE HOUSING** W = White CC = Custom Color AMW = Anti Microbial White	**ACOUSTIC SOLUTIONS** See page 4 for all options **DIMMING DRIVERS** DIM10 = 0-10V (1%) - **Standard** D2O = 0-10V (Dim-to-Off) DIMST = 0-10V Step Dimming 347 = 0-10V (347V) DIMSR = DALI Sensor Ready (5.0%) DALI = DALI (5.0%) DMX = DMX **LUTRON™ DIMMING DRIVERS** LDE1 = Hi-Lume™ 1% EcoSystem™ L3DA3W = Hi-Lume™ 1% 3-Wire **SMART LIGHTING SOLUTIONS[6]** ESN = EasySense Sensor AWNS = Lutron Athena Sensor AWNR = Lutron Athena Node CAS = Casambi Wireless Control **EMERGENCY & OTHER** EMC = Emergency Circuit EPC4 = 4W Emergency Battery Pack EPC6 = 6.5W Emergency Battery Pack EPC10 = 10W Emergency Battery Pack EPC12 = 12W Emergency Battery Pack FWH = Flexible Whip Harness TCW = Two Circuit Wiring

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

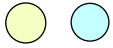[2]BIOS SkyBlue Biological Static & Dynamic page 3.

[3]Tunable White, Dim-to-Warm, RGB+White and Advanced Color ordering codes page 2.

[4] Standard lumens for all diameters page 4. Custom lumens may be specified at an level below HO.

[5]See page 5 for suspension option details.

[6]Additional Smart Lighting Solutions page 6.

☀ DAY-O-LITE

TUNABLE WHITE - Fixture Level Control

Day-O-Lite offers Tunable White in a range from 2700K-6500K CCT @ 80+CRI and 3SDCM color accuracy for a range of two-channel control options. Consult factory for 90CRI, electrical specifications and other details for each option below.

Applications:
- Spaces occupied overnight (~ 7pm to 7am)
- 24-hour spaces
- Shiftwork & Hospitals
- Senior Living, Alzheimer's Dementia & Assisted Living
- Higher Education, including student and staff
- Workplaces, including areas occupied after 7pm

Ordering Codes:
2DIM10 = 0-10V
2DMX = DMX
2CAS = Casambi Wireless
2ESN = Philips EasySense Wireless
      (Occupancy/Daylight Harvesting and Tunable White)

DIM-to-WARM - Fixture Level Control

Dim-to-Warm mimics incandescent dimming by warming the CCT from 6500K to 2700K as light levels are dimmed. 0-10V driver is standard.

Applications:
- Hospitality
- Entertainment
- Living Facilities

Ordering Code:
DTW = Dim-to-Warm

RGBW & RGBWW - Fixture Level Control

and

For color effects with LO/SO/HO white CCT's for **general illumination** in a host of applications. All options require DMX control (by others). 80CRI w/3SDCM color accuracy is standard. May not be compatible with all diameters of COML-24. Consult factory for details when ordering.

Applications:
- Entertainment Spaces
- Hospitality & Banquet
- Theatre & Stage
- Seasonal Applications
- Branding
- Wayfinding

Ordering Codes:
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

ADVANCED COLOR - 125mm Pixel Level Control

Day-O-Lite's Advanced Color options combine RGB or RGBW with multi-pixel control for advanced **chases**, animated **visual effects** and other programmable scenes with **125 mm pixel** granularity. Choose from a vibrant color palette with RGB or RGBW LEDs for seamless color mixing and dimming - the perfect replacement for glass neon with improved reliability and durability.

Requires configuration with a remote proprietary digital drive power supply. Auto-addressing makes setup and commissioning quick and easy.DMX (by others) required for control. May not be compatible with all fixture variations of - consult factory for all details when ordering.

Applications:
- Architectural Installations
- Digital Signage
- Arcades, Clubs
- Theatre & Stage
- Film & TV sets
- Indoor/Outdoor (IP66)

Ordering Codes:
ACRGB = RGB only
AC27 = RGB w/2700K*
AC30 = RGB w/3000K*
AC40 = RGB w/4000K*
*White limited to 100L/ft.

BIOS SkyBlue

BIOS SkyBlue biological technology brings the benefits of blue skies inside. BIOS SkyBlue is the only spectrally optimized circadian solution to pin-point 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.

BIOS Biological Static - Daytime Solution

BIOS Biological Static solutions are designed for daytime applications. BIOS Static Biological LED features key BIOS SkyBlue™ (490nm) for maximum daytime circadian impact. BIOS Static Biological LED Light Engines are available in 3000K, 3500K, and 4000K. Lighting controls are easy; simply switch the lights on/off or the lights can be dimmed using a single-channel constant current (CC) LED driver with any standard dimming interface.
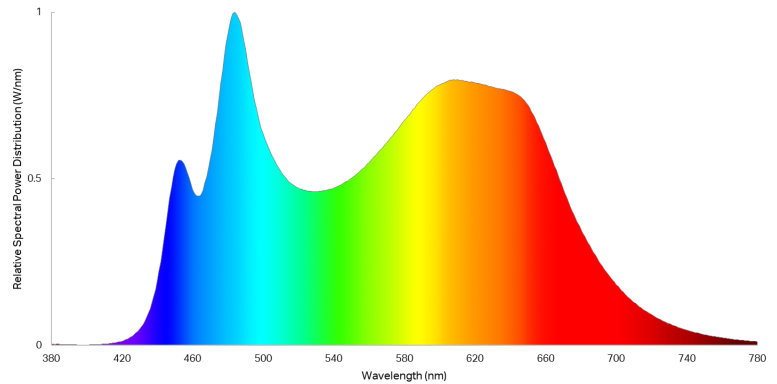
Applications:

- Spaces occupied during the daytime ~7am – 7pm
- K-12 Schools / Higher Education
- Offices
- Daytime Adult Care Facilities
- Medical Offices

BIOS Biological Static
Ordering Codes:

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

BIOS Biological Static 3500K

BIOS Biological Dynamic - Day & Night Solution A

BIOS Biological Dynamic solutions are 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™ altogether, providing a minimal circadian stimulus after hours. Available in 3000K-2700K, 3500K-3000K and 4000K-3500K. Simply dim the lights in the evening to remove the daytime SkyBlue wavelengths (490nm) and convert your lights from day mode to night mode via a single controller (0-10V, ELV, DMX, Wireless).

BIOS Biological Tunable White - Day & Night Solution B

BIOS Biological Tunable solutions are designed to transition from daytime to evening in a dim-to-warm protocol. The daytime CCT includes full BIOS SkyBlueTM (490nm) for maximum daytime circadian impact, while the evening spectrum removes BIOS SkyBlueTM altogether, providing a minimal circadian stimulus after hours. Available in 3000K-2700K, 3500K-3000K and 4000K-3500K. Simply dim the lights in the evening to remove the daytime SkyBlue wavelengths (490nm) and convert your lights from day mode to night mode via a single controller (0-10V, ELV, DMX, Wireless).

BIOS Biological Tunable is also compatible with two-channel color tuning systems. Simply dim the lights in the evening to convert your lights from day mode to night mode via a multi-channel controller (0-10V, ELV, DMX, Wireless). 3000K, 3500K and 4000K CCTs all dim to 2700K.

Applications:

- Spaces occupied overnight (~ 7pm to 7am)
- 24-hour spaces
- Shiftwork & Hospitals
- Senior Living, Alzheimer's Dementia & Assisted Living
- Higher Education, including student and staff
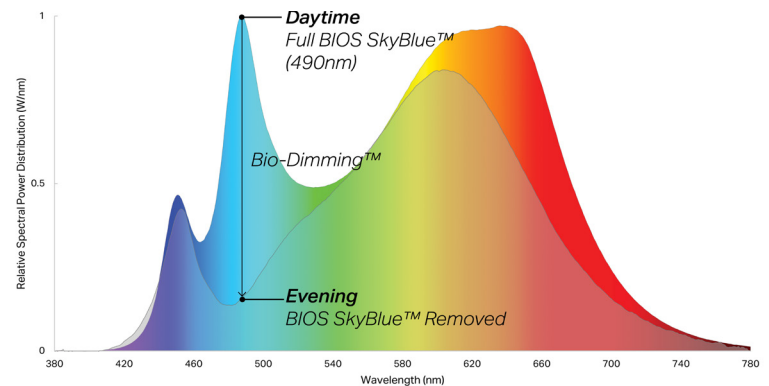- Workplace, including areas occupied after 7pm

BIOS Biological
Dynamic White
Ordering Codes:

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

BIOS Biological
Tunable White
Ordering Codes:

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

BIOS Biological Dynamic 3500K

DAY-O-LITE

Diameters

Compass may be ordered in diameters of 2', 3' & 4' consisting of a single fully welded assembly with a one piece lens. Larger diameters consist of equally sized sections joined in the field and ship with their own lens. Suspensions (page 5) include 3-into-1 monopoint, aircraft cable and stems.
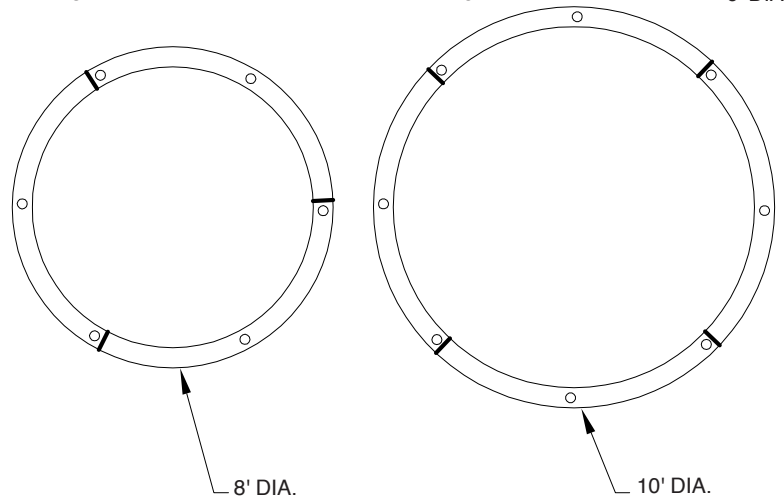
Key

○ Indicates suspension points.

✎ Indicates section breaks.

2', 3' 4' & 5' are single piece housings. 2', 3' & 4' w/single piece lens.

2' DIA.   3' DIA.   4' DIA.   5' DIA.   6' DIA.

8' DIA.   10' DIA.

12' DIA.
16' DIA.
20' DIA.
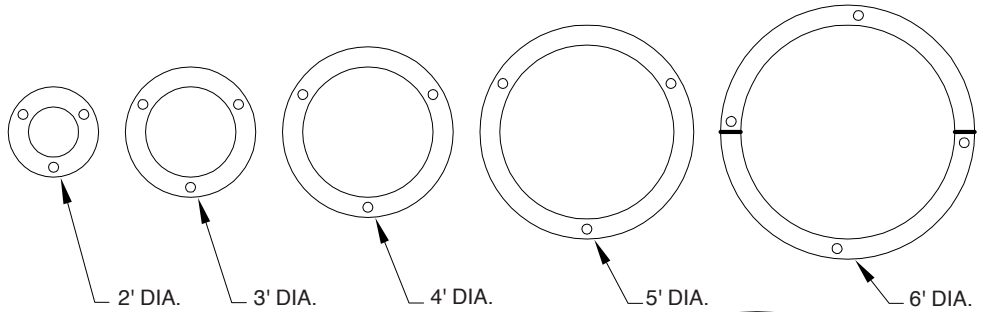
Lumens

DIA'	LO LUMENS	SO LUMENS	HO LUMENS
2	5,690	7,590	
3	9,400	12,540	
4	13,110	17,490	
5	17,820	23,760	
6	21,285	28,380	
8	27,473	36,630	
10	35,640	47,520	
12	43,065	57,420	
16	58,410	77,800	
20	73,260	97,680	

Electrical

DIA'	LO W	LO LPW	SO W	SO LPW	HO W	HO LPW
2	52	115	70	109		
3	86	115	115	109		
4	120	115	160	109		
5	162	115	216	109		
6	193	115	257	109		
8	250	115	334	109		
10	323	115	431	109		
12	391	115	522	109		
16	532	115	709	109		
20	668	115	890	109		
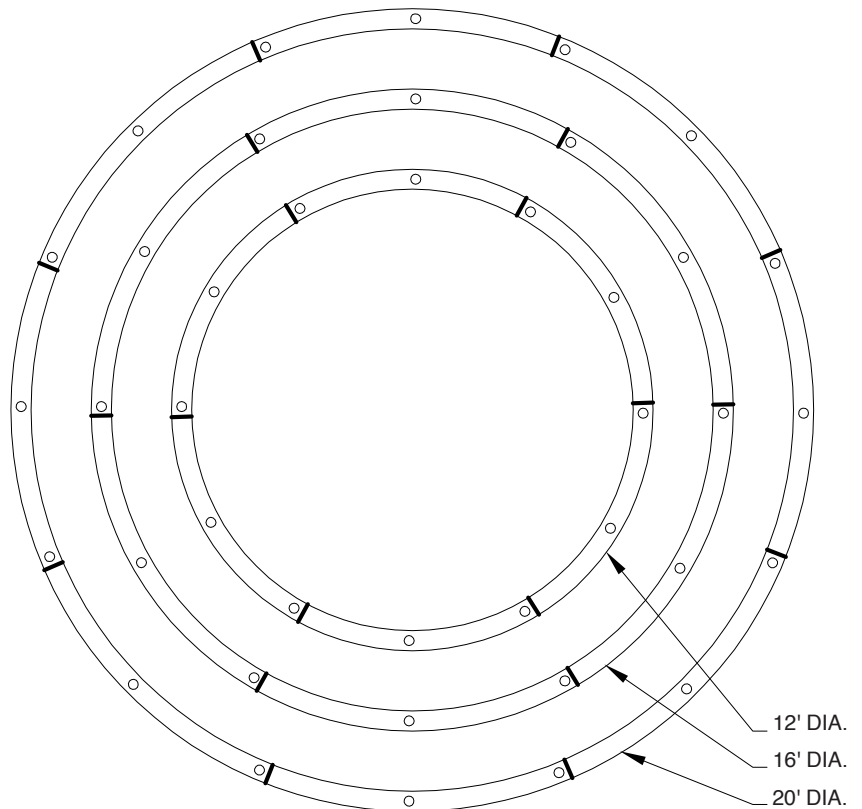
Mechanical

DIA'	DIA"	PCS	LGTH	MTG PTS
2	23"	1	23"	3
3	35"	1	35"	3
4	47"	1	47"	3
5	60"	1	60"	3
6	72"	2	72"	4
8	96"	3	83 1/8"	6
10	120"	4	84 7/8"	8
12	144"	6	72"	12
16	192"	6	96"	12
20	240"	8	91 7/8"	16

Sky = SK	CO = Cobalt	MK = Malachite	GS = Grass	SS = Sunshine	MD = Mandarin	OC = Ochre	IV = Ivory	FR = Frost	CH = Chambray
SM = Smoke	CA = Cadet	PW = Pewter	FO = Fossil	GR = Greige	SL = Slate	TR = Tar	LI = Linen	EC = Ecru	BK = Bark

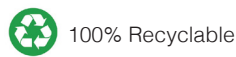|	
IB = Ironbark	EU = Eucalyptus
MB = Merbau	SG = Spotted Gum

HOW TO SPECIFY

1) Select color code from color swatches.

2) Enter color code in Options section of Ordering Guide on page 1.

SPECIFICATIONS

Class A Fire Rating

1.6 Noise Reduction Coefficient (NRC)

Moisture and Mold Resistant

UV Fade Resistant

♻ 100% Recyclable

ADDITIONAL INFORMATION

Smoke, Pewter and Slate are standard colors; consult factory for lead-times on other colors including wood grains. Acoustic panels ship affixed to luminaires and are held in place by stop-blocks and double-sided tape to prevent bowing. Onsite removal may result in damage and void warranty. Fixtures must be stored and installed in an interior dry location at a minumum of 52F.

A NOTE ON SOUND ABSORPTION

Per ASTM C423 there is no standard way to calculate sound absorption coefficients of non-standard shapes, sizes or spacing of material. Day-O-Lite's acoustic fixtures are tested using ASTM E795-16 Standard "Practices for Mounting Test Specimens During Sound Absorption Test", resulting in a noise reduction coefficient (NRC) unique to the test setup. When comparing sound suppressing materials those with a higher NRC will absorb more sound than those with a lower NRC, assuming the same test method is employed. Full Acoustic Test Report, Certified Letter of Apparent NRC and Storage, Cleaning and Care information is available at www.dayolite.com.
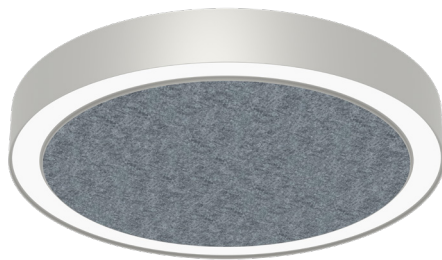
CA = Cadet
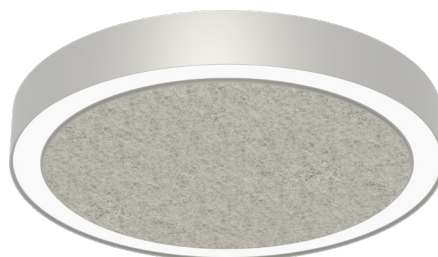
GR = Greige
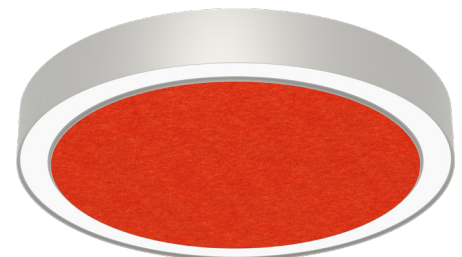
OC = Ochre

Specifications

CONSTRUCTION: Extruded aluminum housing. 20 gauge cold rolled steel internal components.

REFLECTOR: Die-formed steel finished in highly reflective baked white enamel with pre-finished reflective LED tray.

OPTICS: LED optimized diffuse polycarbonate (DP) lay-in lens.

LED: Static white LED modules in 30/35/40 & 50K CCT, 80/90CRI. Lumen maintenance minimum L_{70}= 50,000 hours. 3 SDCM color consistency. BIOS SkyBlue, RGB, RGBW, RGBWW. Tunable White and Dim-to-Warm options available.

DRIVER: Standard driver is Class 2 AOC 0-10V to 1%, Dim-to-Off available. 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 options include adjustable self-locking aircraft cables (AC), and rigid pendant stems (PD). AC assembly is 48" x 1/16" with a 5" feed canopy and 2" suspension canopies. 18 gauge power and 22 gauge dimming control SJT feed. 3-into-1 monopoint suspension available on diameters from 2' to 5'.

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. BAA & BABA 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.

WEIGHT: Nominal x fixture weight xx lbs.