DAY-O-LITE

Compass Series | COML-44-D

4 1/2"
[114.300mm]

4"
[101.600mm]

Aircraft Cable Mount
Shown. See page 3 for
additional mounting options.

Direct
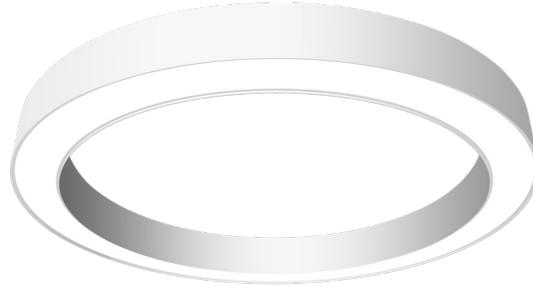
Features

Suitable for damp locations.

Custom-rolled extruded aluminum housing.

LED optimized optics for smooth illumination along entire lens.

Suspension mount for any ceiling type. Creates architectural rings of light.

Programmable driver for custom lumen packages. 0-10V dimming to 1% standard.

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

Ordering Guide

MODEL	OPTICS	CCT[1]	LUMENS[2]	DIAMETER[3]	MOUNTING[4]	FINISH	OPTIONS
COML-44-D	**DP**						
COML-44-D Direct	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.	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 WHITE[1]** See all options page 4. Please consult factory, not all options available or integral depending upon fixture diameter.	See table page 2 for lumen packages for all diameters. Consult factory for custom lumen packages. All values nominal.	2 = 2 ft 3 = 3 ft 4 = 4 ft 5 = 5 ft 6 = 6 ft 8 = 8 ft 10 = 10 ft 12 = 12 ft 16 = 16 ft 20 = 20 ft	AC = Aircraft Cable PD = Pendant Stem ACM = Mono Point (2'-5' only) S = Surface Mount F = Flange TRL = Trimless	W = White CC = Custom Color AMW = Anti-Microbial White	**DIMMING DRIVERS** DIM10 = 0-10V (1%) - **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 CAS = Casambi Bluetooth control **EMERGENCY** EMC = Emergency Circuit GTD = Generator Transfer Device EPC4 = 4W Emergency Battery Pack EPC7 = 7W Emergency Battery Pack EPC10 = 10W Emergency Battery Pack EPC12 = 12W Emergency Battery Pack Please consult factory, not all options available or integral depending upon fixture diameter.

[1]Tunable white, tunable color and RGB/W options detailed on page 4.

[2]Delivered Lumens are Standard Output (SO) and Low Output (LO) at 80+CRI 4000K CCT. Use multipliers to estimate delivered lumens at other CCTs: 2700K = 0.94, 3000K = 0.96, 3500K = 0.98, 5000K = 1.02.

[3]See page 2 for actual dimensions per diameter, and section information.

[4]See page 3 for mounting details and full specifications.

made in USA   c(UL)us   RoHS Compliant   LUTRON 2016 OEM ADVANTAGE ACCOUNT

Size Options & Odering Instructions

The Compass Series may be ordered in a variety of standard diameters outlined below. Diameters from 2'-5' consist of a single fully welded assembly shipped in a single carton. Diameters of 6'-20' consist of sections that ship as a set in multiple cartons. For all sizes use only the **SIZE ORDER CODE** below. Do not order sections separately.

Mounting Diameters 2'-5' may be ordered with either a 3-into-1 monopoint aircraft assembly or parallel aircraft cables or pendant stems. Diameters 6'-20' may ordered with only parallel aircraft cables or pendant stems. See following page for suspension details. All sizes may also be surface ceiling mounted or recessed in plaster ceilings (trimless only).
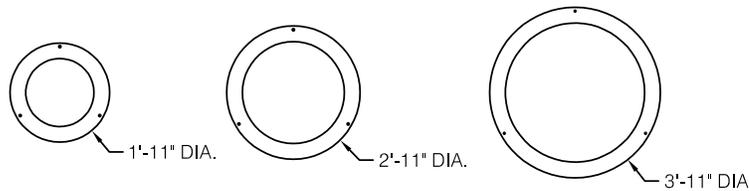
SIZE ORDER CODE	NOMINAL DIAMETER	ACTUAL DIAMETER	SECTION COUNT	SECTION LENGTH	MOUNTING POINTS	LO LUMENS	LO WATTS	LO EFFICACY	SO LUMENS	SO POWER	S0 EFFICACY
2	2'	23"	1	23"	3	3,150	29	98	3,360	38	95
3	3'	35"	1	35"	3	4,875	47	98	5,940	63	95
4	4'	47"	1	47"	3	6,900	65	98	8,250	87	95
5	5'	60"	1	60"	3	8,925	83	98	10,560	111	95
6	6'	72"	2	72"	4	10,950	99	98	12,540	132	95
8	8'	96"	3	83 1/8"	6	14,700	133	98	16,830	177	95
10	10'	120"	4	84 7/8"	8	18,450	167	98	21,120	223	95
12	12'	144"	6	72"	12	22,500	203	98	25,740	271	95
16	16	192"	6	96"	12	29,050	282	98	35,640	376	95
20	20'	240"	8	91 7/8"	16	39,225	335	98	44,880	473	95

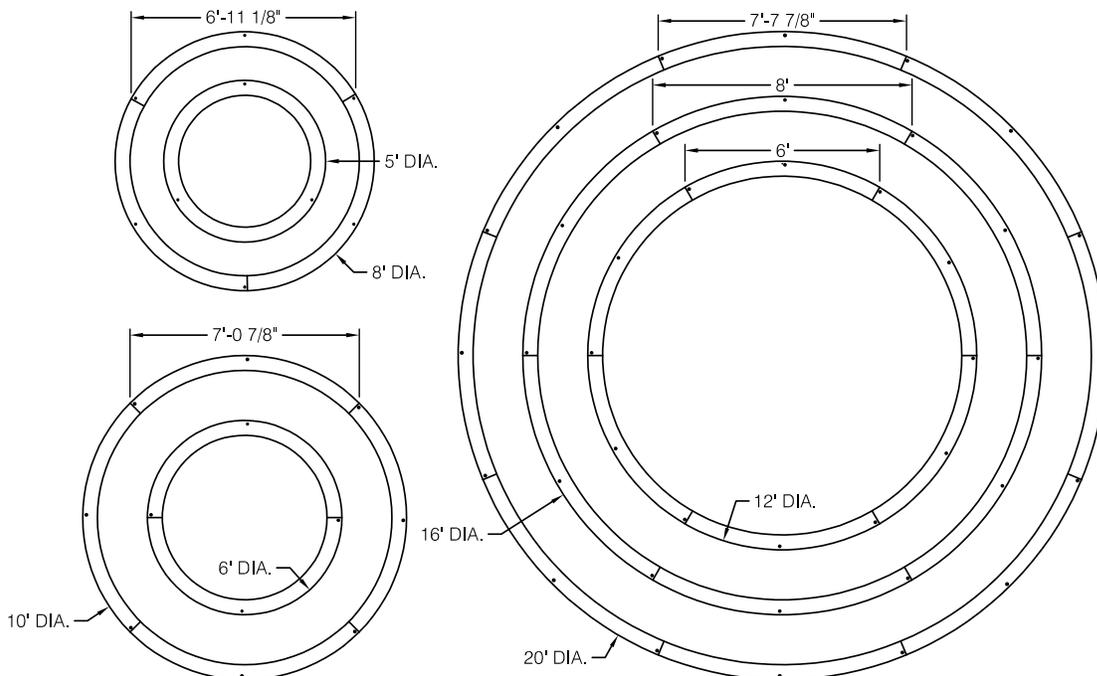Standard fully assembled, one-piece housing and lens size shown immediately below.

COML-44-DI-2'   COML-44-DI-3'   COML-44-DI-4'

1'-11" DIA.   2'-11" DIA.   3'-11" DIA

For diameters larger than 5' the section count and length is shown below.

6'-11 1/8"   5' DIA.   8' DIA.

7'-7 7/8"   8'   6'   12' DIA.   16' DIA.   20' DIA.

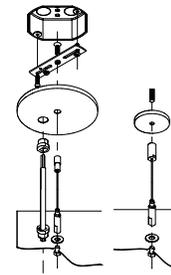7'-0 7/8"   6' DIA.   10' DIA.

Standard Suspensions

Standard suspension options include adjustable self-locking aircraft cables (AC), a 3-into-1 monopoint (ACM) and rigid pendant stems (PD). AC assembly is 48" x 1/16" with a 5" feed canopy and 2" suspension canopies. 60" 18 gauge power and 22 gauge dimming control SJT feed.

PD assemblies are 5/8" dia. (or 3/8" IP) hollow stem for power feed by others, 24" is standard. Consult factory for longer suspension lengths and other mounting options.
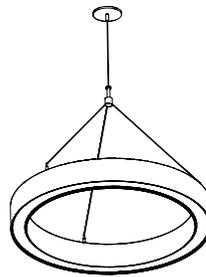
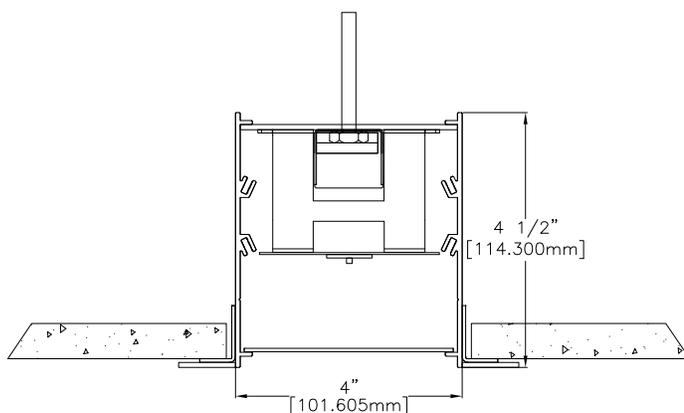**ACM** = Mono Point
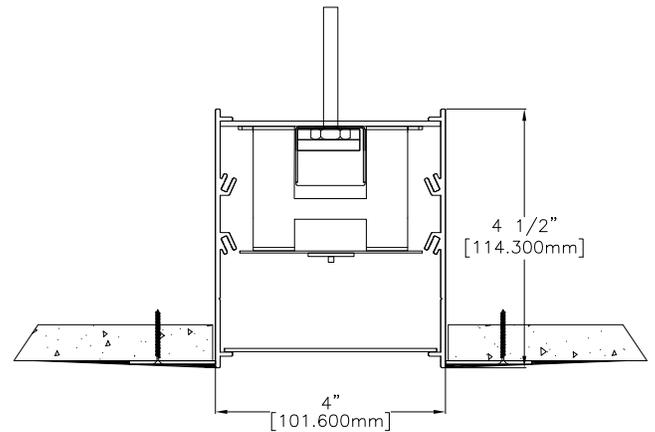(2'-5' diameter only)

AC = Aircraft Cable
(All diameters)

PD = Pendant Stem
(All diamters)

Additonal Mounting Options.

4 1/2"
[114.300mm]

4"
[101.605mm]

Flange (F)

4 1/2"
[114.300mm]

4"
[101.600mm]

Trimless (TRL)

Specifications

CONSTRUCTION Extruded aluminum housing, w/prefinished steel internal components.

REFLECTOR Extruded aluminum finished in highly reflective baked white enamel with pre-finished reflective LED tray.

OPTICS LED optimized diffuse polycarbonate (DP) lens standard.

LED LED modules in 30/35/40 & 50K CCT, 80/90CRI. Lumen maintenance minimum 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 options include adjustable self-locking aircraft cables (AC), 3-into-1 monopoint (ACM) 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.

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 wirelss 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 form 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 contoller (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.

[1]Please consult factory, not all options available or integral depending upon fixture diameter.

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