

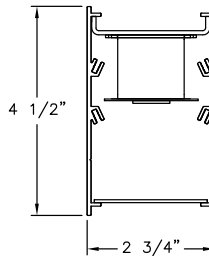


Compass Series | COML-24-D-F/TRL

Date		Notes
Project		
Type	Qty	

Features

- Custom rolled extruded aluminum housing.
- Diameters from 2 ft. to 20 ft. and custom sizes.
- LED optimized optics for smooth illumination end-to-end.
- Individual fixtures, continuous runs or custom patterns.
- High efficiency programmable driver for custom lumen packages.
- 0-10V dimming to 1% standard. Dim-to-off available.
- Options for 90CRI, Tunable White, RGB, RGBW, RGBWW and Advanced Color.
- Bios SkyBlue™ circadian solutions available.
- Declare** Red List Approved.



Ordering Guide



MODEL	OPTICS	CCT	LUMENS	DIAMETER	MOUNTING ⁵	FINISH	OPTIONS
COML-24-D	DP						
COML-24-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 page 4.	STATIC WHITE¹ 27 = 2700K 30 = 3000K 35 = 3500K 40 = 4000K 50 = 5000K BIOS SkyBlue² Spectrally optimized circadian solutions. TUNABLE WHITE³ (2700K-6500K) 2DIM10 = for 0-10V 2DMX = for DMX 2ESN = for Philips 2CAS = for Casambi DIM-TO-WARM³ (2700K-6500K) DTW = Dim-to-Warm RGB & WHITE³ RGB = RGB RGBW = RGBW RGBWW = RGBWW (X' diameter and up) ADVANCED COLOR³ 125mm incremental pixel color control for chase and animated effects.	STANDARD See table page 4 for lumens for all diameters. CUSTOM For custom lumens please specify any value < HO.	2 = 23" 3 = 35" 4 = 47" 5 = 5' 6 = 6' 8 = 8' 10 = 10' 12 = 12' 16 = 16' 20 = 20' 2', 3', 4', 5' sizes are single piece housings. See page 4 for larger diameter section count. Custom sizes please enter diameter > 2'	F = Flange TRL = Trimless	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 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 SENSORES & CONTROLS⁶ ESN = Philips EasySense Sensor AWNS = Lutron Athena Sensor AWNRR = 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 WIRING FWH = Flexible Wiring Harness DWH = DMX Wiring Harness

¹CCT @ 80+CRI, 3SDCM. For 90CRI add prefix '9'; ex: 935 = 3500K, 90CRI.
²BIOS SkyBlue Biological Static & Dynamic page 3. Minimum diameter X'.
³Tunable White, Dim-to-Warm, RGB & White and Advanced Color ordering codes page 2. Minimum diameter X'.
⁴Custom lumens may be specified at an level below SO.
⁵See page 6 for suspension option details.
⁶Additional Smart Lighting Solutions page 5.

TUNABLE WHITE - Fixture Level Control



Tunable White available in a range of 2700K-6500K CCT @ 80+CRI and 3SDCM color accuracy. Control via two 0-10V dimmers (one CCT, one intensity) controllers. 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



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.

Controls for all options by others.

BIOS SkyBlue

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

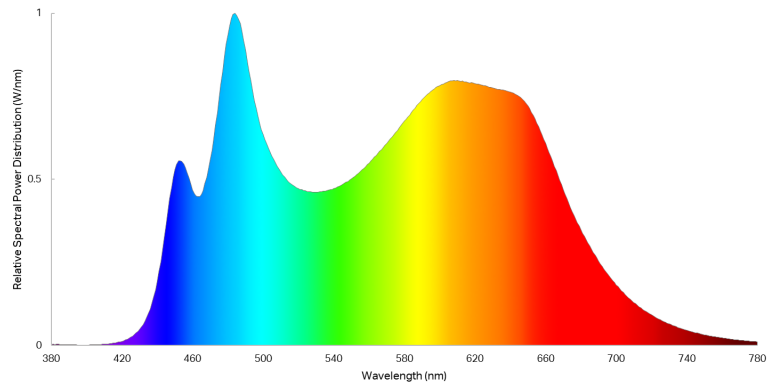
Applications:

- 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 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 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

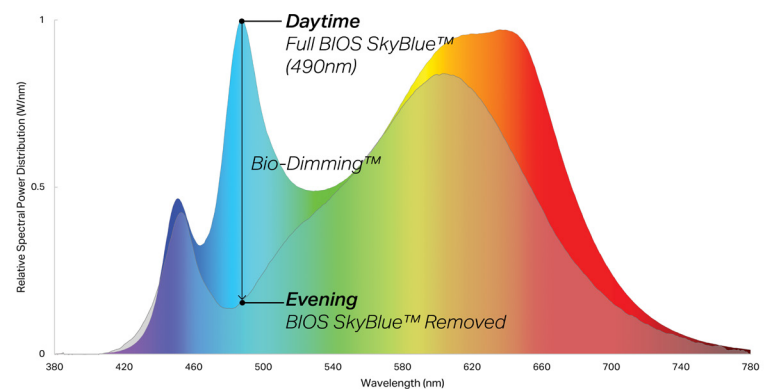
BIOS Biological
Dynamic White
Ordering Codes:

- 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



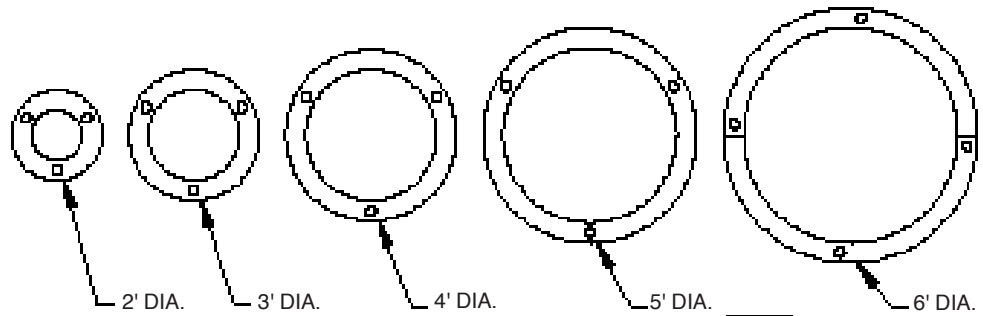
Diameters

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

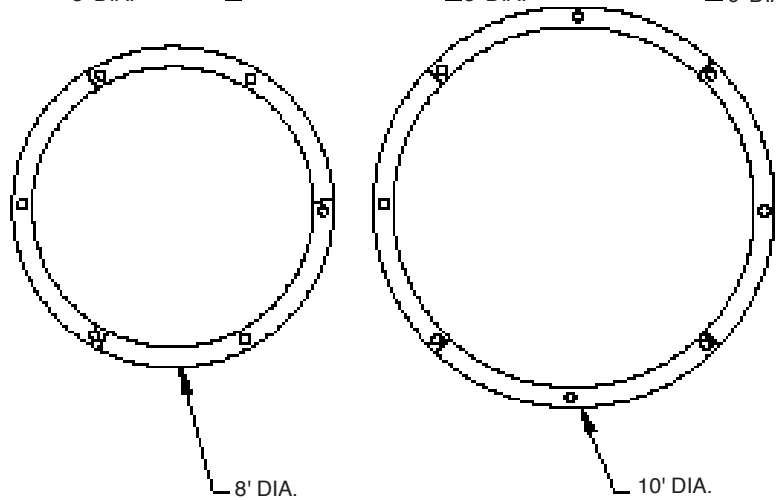
- Indicates suspension points.
- ◆ Indicates section breaks.

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



Lumens

DIA'	LO LUMENS	SO LUMENS	HO LUMENS
2	3,150	3,360	
3	4,875	5,940	
4	6,900	8,250	
5	8,925	10,560	
6	10,950	12,540	
8	14,700	16,830	
10	18,450	21,120	
12	22,500	25,740	
16	29,050	35,640	
20	39,225	44,880	

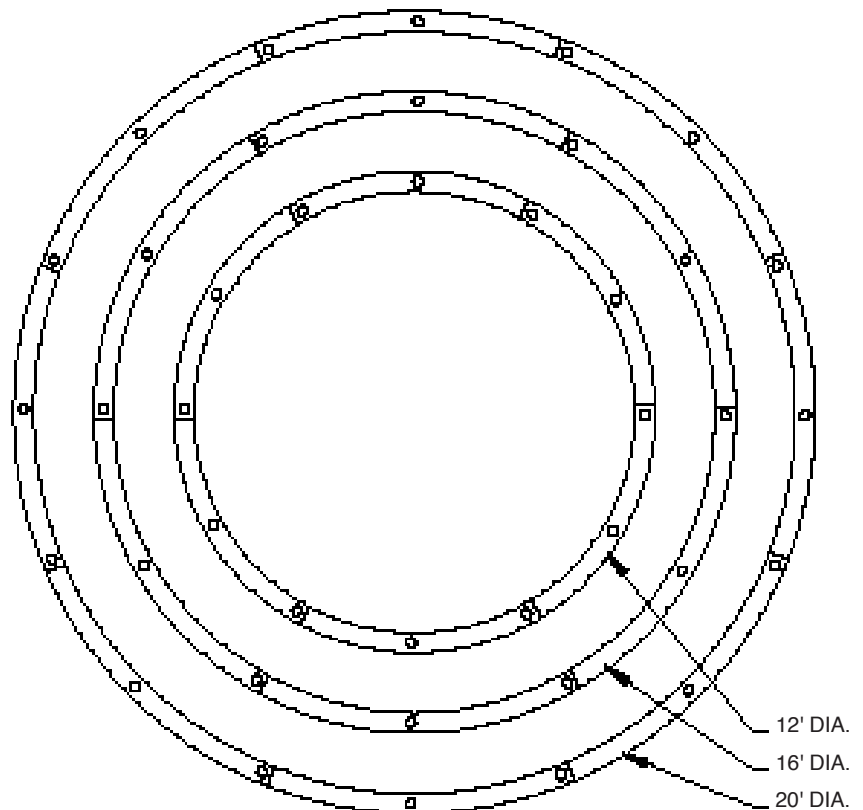


Electrical

DIA'	LO W	LO LPW	SO W	SO LPW	HO LPW	HO LPW
2	29	98	38	95		
3	47	98	63	95		
4	65	98	87	95		
5	83	98	111	95		
6	99	98	132	95		
8	133	98	177	95		
10	167	98	223	95		
12	203	98	271	95		
16	282	98	376	95		
20	335	98	473	95		

Mechanical

DIA'	DIA"	PCS.	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



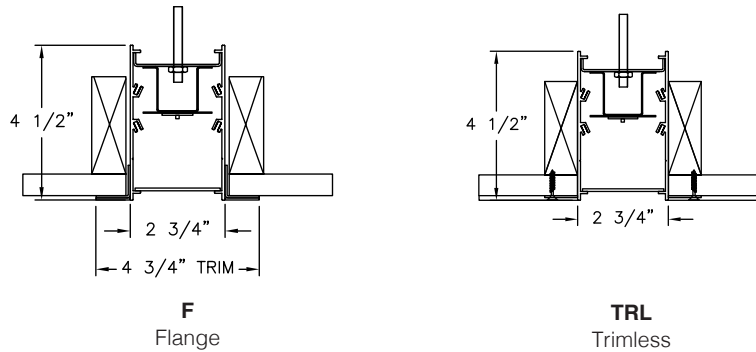
Smart Lighting Solutions offer energy savings & building code compliance for today's energy saving requirements; solutions that combine controls and sensors with features including occupancy sensing, daylight harvesting, reporting, tunable white, temperature sensing and HVAC integration. Smart Lighting Solutions require a compatible control system and are commissioned on site by qualified Individuals.

SMART SOLUTIONS ¹	MFG.	IMAGE ²	ORDER CODES	SENSING TYPE	DRIVER TYPE	NETWORK	FUNCTION	TUNABLE WHITE & RGBW
	Avi-on		AVP	PIR/PCell	0-10V	Av-ion Bluetooth Mesh	Occupancy	No
			AVM	Microwave			Occupancy Daylight	
	BubblyNet		BNV	PIR & Photocell	0-10V	BubblyNet Bluetooth Mesh	Occupancy Daylight	No
			BND		DALI			
	Casambi		CAS	NA	0-10V DALI DMX	Bluetooth Mesh	Wireless Control Only	Tunable RGBW
	Legrand Encelium		ENC	PIR & Photocell			Occupancy Daylight	Tunable White
	Enlighted		ENL	PIR & Photocell	0-10V	Enlighted Bluetooth Mesh	Occupancy Daylight Temp F/C	Tunable White
	Legrand Wattstopper		LEG	PIR/PCell		DLM Wireless	Occupancy	No
				Microwave			Occupancy Daylight	
	Lutron Athena		ANS	PIR & Photocell	0-10V DALI-2	Athena	Occupancy Daylight	Tunable White
	Acuity nLiGHT		NLT	PIR & Photocell	0-10V & LEDcode	nLight	Occupancy Daylight	No
	Current NX		NXC	PIR & Photocell	0-10V	NX Distributed Intelligence	Occupancy Daylight	Tunable White
	Philips EasySense		ESN	PIR & Photocell	Signify Sensor Ready	MasterConnect Zigbee	Occupancy Daylight	Tunable White
	Cooper Wavelinx		WVL	PIR & Photocell	0-10V	WaveLinx Lite & Pro	Occupancy Daylight	No

¹Not all options available in all markets.

²Images may not be representative of sensor ordered/delivered.

Mounting



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; field replaceable.

DRIVER: Standard driver is Class 2 AOC 0-10V to 1%, Dim-to-Off available. 120/277V input, PF > 90%, THD < 20 @ 120V. DMX, DALI & Lutron protocols available. All drivers prewired for connection to control system (by others); field replaceable.

MOUNTING: Standard installation is in dry wall ceiling via 1/4-20 rods (by others). Optional mounting yokes are available.

FINISH: Housing and components finished in baked white enamel. Canopies and pendant stems are white enamel unless otherwise specified. 5" Feed canopy w/2" Suspension canopies.

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 and BAA compliant. Declare Red List Approved.

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WEIGHT: Nominal 4' fixture weight xx lbs.