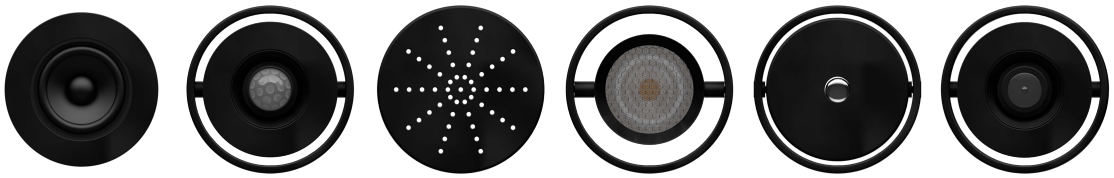
ZANIBONI® LIGHTING

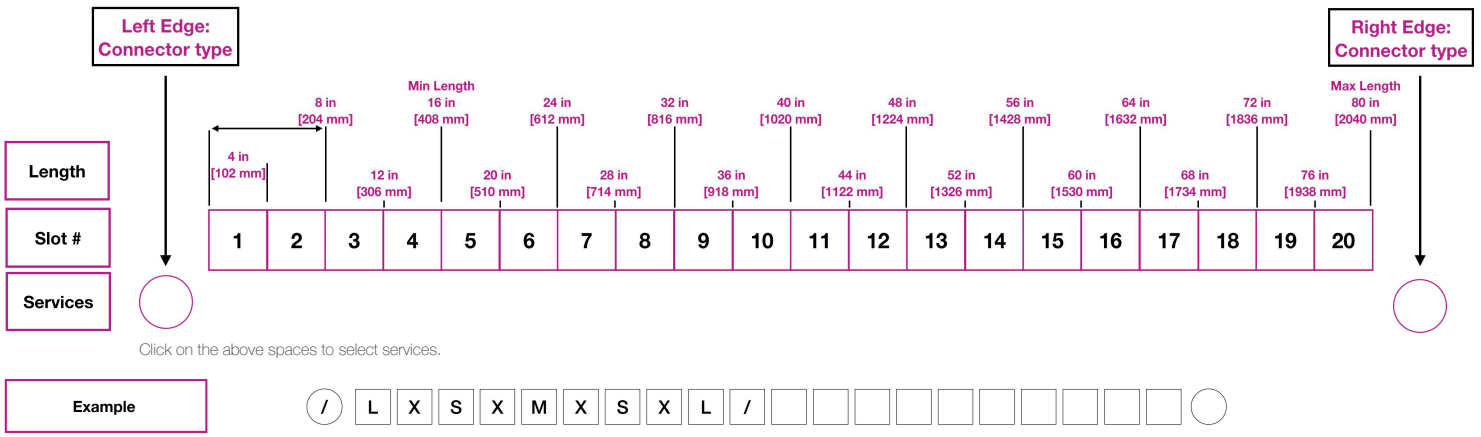
project	
Type	
Contact	

OMNI LP (LINEAR PENDANT)
OMNI L | LAYOUT CONFIGURATOR



X = Empty Slot		/ = No connectors	
L = Light		- = Straight connector	
S = Speaker		] = L connector to the left	
M = Occupancy Sensor	OC	[= L connector to the right	
D = Daylight Sensor	DL	& = T connector	
C = CO2 Sensor	CO_2	+ = Cross connector	+
V = Video			

Please attach layout of grid for any non-linear system.



Click on the above spaces to select services.

Example	/	L	X	S	X	M	X	S	X	L	/											

The example represents an OMNI L, 9 slots x 4" each. The OMNI has no connectors at the beginning or at the end.
This OMNI would consists of: Light, Empty Slot, Speaker, Empty Slot, Occupancy Sensor, Empty Slot, Speaker, Empty Slot, Light.
When there are multiple sources please use L1,L2,...,L# following the sequence of the lighting ordering code (page 1).

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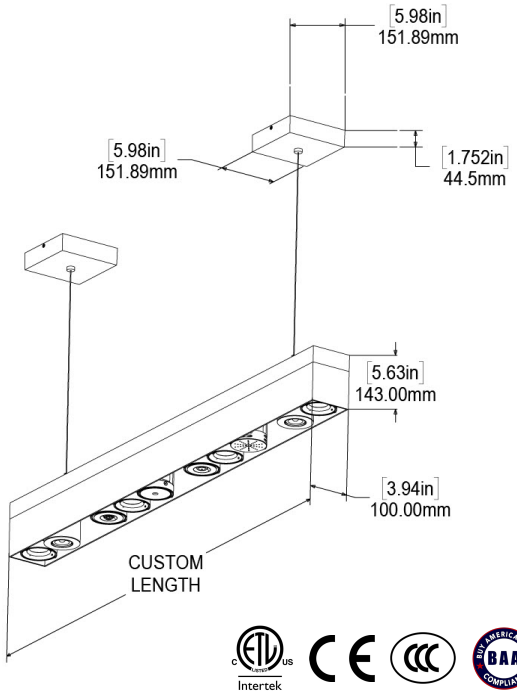
OMNI LP

Custom Light Sources 2 inch | 1191lm per light | Source Square | Adjustable 20° | AirCraft		
Performance Options	9W	13W
Source Lumens	1188 lm	1563 lm
Delivered Lumens	893 lm	1191 lm
Lumens / Watt	99.2 lm	91.6 lm
Current	500 mA	700 mA

CRI/CCT Multiplier	2700°K	3000°K	3500°K	4000°K
80 CRI	0.93	1.00	1.00	1.07
95 CRI	0.69	0.75	0.81	0.87



Lighting ordering code

NOTE: For different sources use multiple codes as below.

M2	___	___	___	___	___	___	_
Source	**Quantity**	**Wattage**	**Kelvin**	**CRI**	**Beam**	**Lens**	**Color**
M2	01:1 02:2 03:3 ..... 20:20	9:9W 13:13W	27:2700k 30:3000k 35:3500k 40:4000k TD:Tunable White TH:Tunable White RW:RGBW WD:Warm Dim	A:80 B:95	1:10° 2:24° 3:36° 6:60°	F:Frosted X:Hex Louver + Solite L:Cross Louver + Solite P:Prismatic S:Solite C:Clear	WS:Matte White BK:Matte Black CC:Custom Color

Fixture ordering code

NOTE: Add 3-Digit code for selected accessories only.

Case **Sound** **Air Quality** **Daylight** **Occupancy** **Video**

MA-LP	__	__	-	__	__	-	__	__	-	__	__	-	__	__	-	__	__	-	__	__	__
Type	**Slots #**	**Installation**		**Speaker**	**Speaker #**	**Type**		**Air Quality**	**Sensor #**	**Type**		**Daylight**	**Sensor #**	**Type**		**Occupancy**	**Sensor #**	**Type**		**Camera**	**Camera #**	**Type**
MA-LP	04:4 05:5 06:6 ..... 20:20	RD:Remote Driver		S:Speaker	0 1 2 3 9	A:5W		C:C02 P:PM2.5	0 1 2 3 9	B:Bubbly net		D:Day light	0 1 2 3 9	B:Bubbly net		M:Occupancy	0 1 2 3 9	B:Bubbly net		V:Camera	0 1 2 3 9	B:Bubbly net

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SPECIFICATIONS

Lighting

LED source
Tool-free field-replaced LED module. Propriety high performance aluminum die cast heatsink for maximum LED life.

Source
Computer-optimized reflector design. High reflected finish aluminum. Tool-free field-interchangeable reflectors and lens. 0-20° adjustability.

Body
Die-cast aluminum frame and body.

Trim
Die-cast aluminum CNC machine finished Minimal thickness. White can be field painted to match adjacent finishes.

Life
Rated for 50,000 hours at 70% lumen maintenance.

Label
ETL listed for US Canada. CE labeled. CCC label available on request.

Warranty
5 years limited warranty on light sources only.

IP Rating
Interior install, Dry Location only.

CO2 Sensor

CO2 NDIR (Non-Dispersive Infra-Red) sensors detect carbon dioxide absorption in a gaseous environment. To ensure the room stays within safe C02 concentration to enhance energy and productivity to all the occupants. This sensor includes control over temperature, humidity and VOCs.

Temperature :	32 F to 122 F +/- 1 F
Humidity :	0-100% +/- 3%
Pressure range	300-1100 spa +/-0.6hpa
Ambient Light Resolution	100mLux
Name	NDIR CO2 Sensor
Range	400ppm-10.000ppm
Dimensions	3" dia

PM2.5

It gives you accurate information about indoor air quality such as Particle concentration (PM2.5), volatile organic compounds (VOC), Humidity, Temperature, Atmospheric pressure & Ambient light level.

Resolution	0.3µg/m3
Max Error	+/-15%

Daylight Sensor

Daylight with Passive Infrared sensing capabilities. An automated lighting management method in which interior electric lighting adjusts to maintain a preset level, therefore lowering energy costs. It is particularly effective in locations that receive ample natural light, such as illumination near windows or near skylights.

Sensor Type	PIR Occupancy Sensor
Input Voltage | Current Consumption	12-24VDC | 25mA
Mounting Height	10ft (3m)
Max Detection Area	12ft Diameter (3.66m)
Photocell Sensitivity	30 Lux to Daylight
Operating Temperature	22°F to 158°F (-30°C to 70°C)
Storage Temperature	-40°F to 176°F (-40°C to 80°C)
Relative Humidity	90-95% non-condensing at 30°C
Dimensions	3.66" diameter (93 mm)

Occupancy Sensor

Occupancy Sensor with Passive Infrared Sensor. The sensor will automatically turn on luminaires to the set dimming level when motion is detected and turn lights off automatically after the area is vacated. End users can program length of time delays, light level sensitivity, sensor range and other settings

Sensor Type	PIR Occupancy Sensor
Input Voltage/Current Consumption	12-24VDC | 25mA
Mounting Height	10ft (3m)
Max Detection Area	12ft Diameter (3.66m)
Operating Temperature	22°F to 158°F (-30°C to 70°C)
Storage Temperature	-40°F to 176°F (-40°C to 80°C)
Relative Humidity	90-95% non-condensing at 30°C
Dimensions	2.68" diameter (68 mm)

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Speaker

2" full-range ported speaker thanks to its low resonant frequency the frequency response starts already at 120 Hz. Thanks to multirooms technology same music could be reproduced in different rooms.

RMS Power	5 W
Maximum Power	8 W
Nominal Impedance	8 Ohm
Frequency Response	150-20,000 Hz
Sound Pressure Level (SPL)	84 dB
Resonance Frequency	290 Hz
Voice Coil Diameter	0.55"
Driver Diameter	2"
Type of Cabinet	Ported
Type Of Port	0.5" ID
Cabinet Material	Aluminum
Cabinet's Volume	22.14 sq. inch
Type of connection	Bluetooth-Multi-rooms
Amplifier Power	50W+50W

Camera

A Full-hd (1080p) camera with motion detection technology. Perfect to be used for conference meeting and as security camera.

Image Sensor	1/2.9" 2Megapixel progresive CMOS
Effective Pixels	1920(H)x1080(V) or greater
Scanning System	Progressive
S/N Ratio	More than 50dB
Electronic Shutter Speed	Auto/Manual, 1/3~1/100000s
Lens Type	Fixed .9 f-stop
Focal Length	2 mm
Angle of View	H:145°
Max. Aperture	F2.0
Focus Control	Fixed
Close Focus Distance	0.2m(0.66ft)
Resolution	1080p (1920x1080)
Frame Rate	2M(1 ~ 20fps)
Motion Detection	On

Bluetooth-Low Voltage Led driver

4 CH CC RGBW LED Driver is a wireless device that controls via Bluetooth an RGBW fixture and does not require the use of a gateway.

DC Input Voltage	24VDC
DC Output Voltage	7-20VDC
Programmable Dimming Curves	Soft ON/OFF
Wireless 2.4GHz	Constant Current LED Driver
Class	2
Protections	Over Current, Short Circuit, Over Temperature
Dimensions	102 x 44.5 x 28.6 mm

Remoted Power Supply

AC/DC Transformer to power OMNI with 24vdc low voltage power. It will be required an extra traformer for every 6 lighting fixtures.

DC Input Voltage	120-277VAC
DC Output Voltage	24VDC
Power	96W
Output Current	4100mA
Class	2
Efficiency	84%
Dimensions	159 x 97 x 38mm

Bluetooth Mesh

BubblyNet does not require a connection to WiFi or Internet and can be deployed 100% stand alone. There is no connection between your building system and your data system so no intruder can use the lighting system to access the business information. As Bluetooth Mesh IoT devices can be battery operated or powered with low voltage, they can added to an existing project quickly and easily, as monitoring and safety requirements change over time. BubblyNet uses the Bluetooth Mesh open standard, BubblyNet components on an installed project can be replaced with similar Bluetooth Mesh products from other manufacturers, giving the customer maximum freedom.For more information about Bluetooth Mesh go to https://bubblynet.com

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