



LED SPHERE

WWW.DYDELL.COM



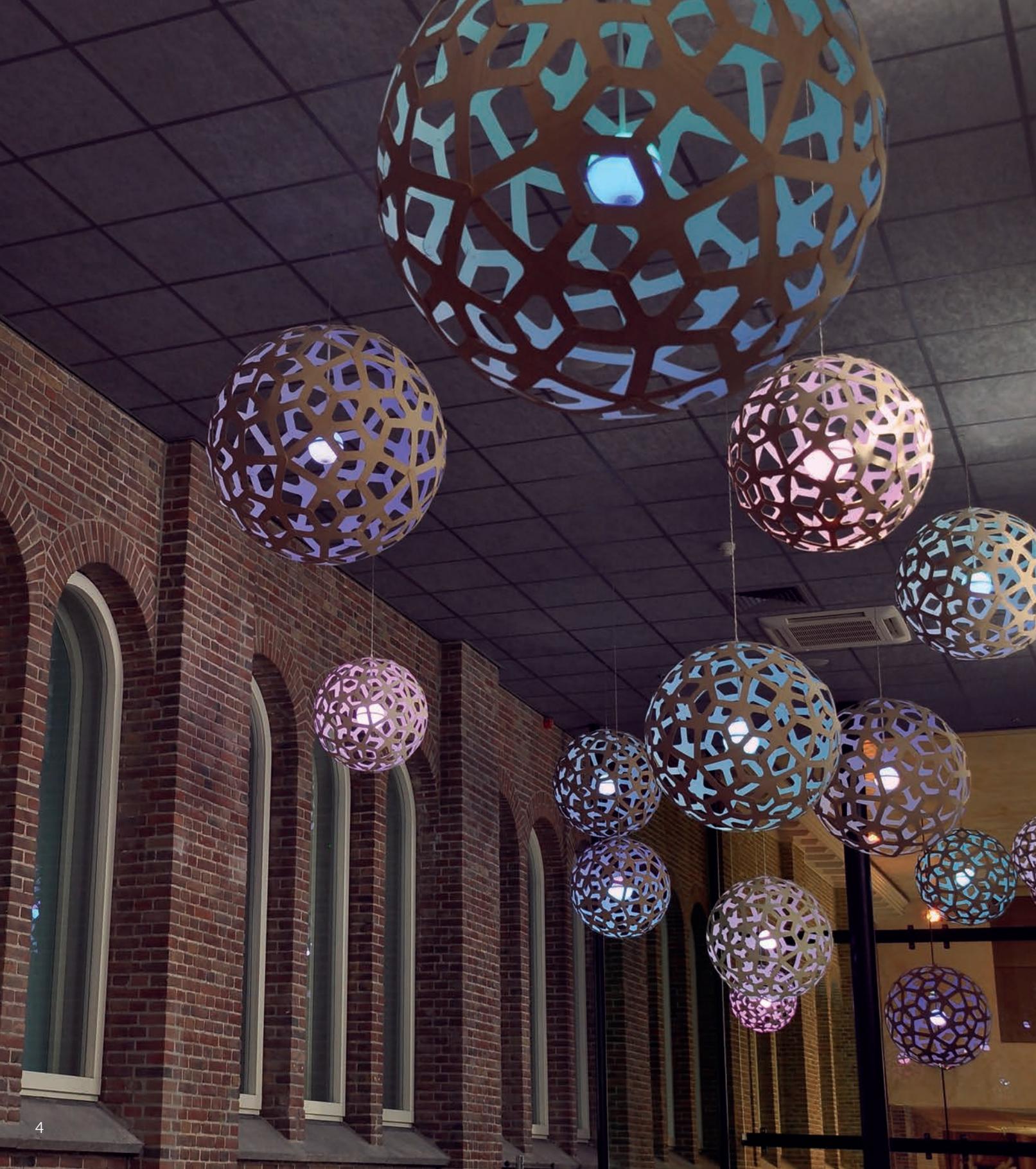


DYDELL

“ Imagine sitting in a room where the ceiling is indirectly lit to create an atmospheric ambiance, whilst the table is sufficiently lit for food to be presented. This can be achieved through the use of the unique LED Sphere.

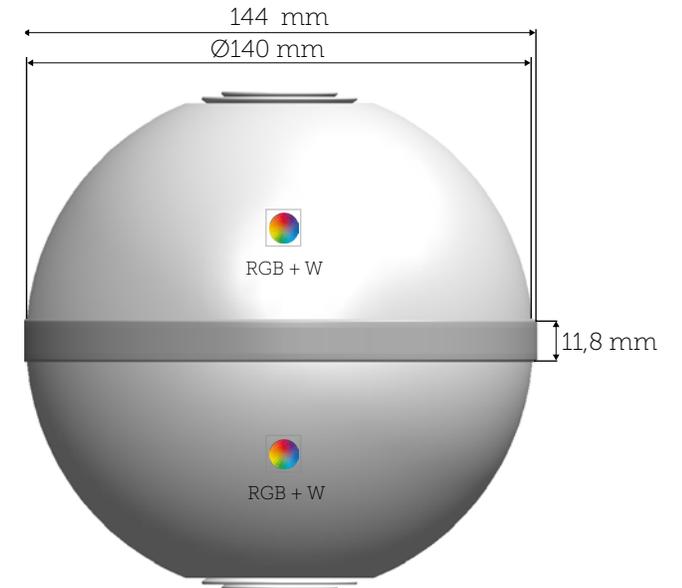
The powerful, diffuse, patented LED Sphere has a lumen output of more than 1555 lumen and consists of two half spheres that independently provide two types of lighting. The LED sphere will bring atmosphere to any room, or can be used as an eye-catcher in entrances and foyers.

”



ULTIMATE

RGBW + RGBW



RGB+W (2700K) + RGB+W (2700K)

ART. NR: S-RGBW-C

INTEGRATED CASAMBI CONTROL SYSTEM

RGB+W (2700K) + RGB+W (2700K)

ART. NR: S-RGBW-D

INTEGRATED DMX CONTROL SYSTEM

LIGHT OUTPUT



1555 lumen

COLOUR FASTNESS



RA 95

ENERGY USAGE



max. 24 Watt

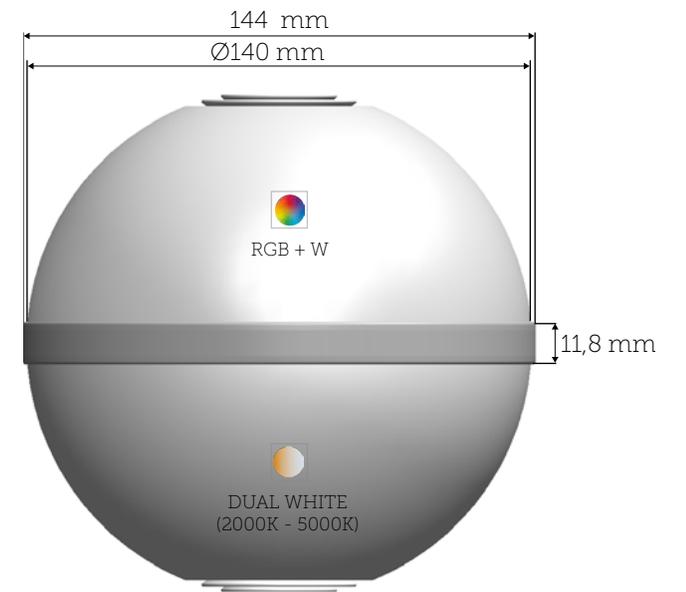
LIFESPAN



70% after
50,000 hours



PREMIUM RGBW + DUAL WHITE



RGB+W (2700K) + DUAL WHITE (2000K-5000K)
ART. NR: S-RGBW-DW-C
INTEGRATED CASAMBI CONTROL SYSTEM

RGB+W (2700K) + DUAL WHITE (2000K-5000K)
ART. NR: S-RGBW-DW-D
INTEGRATED DMX CONTROL SYSTEM

LIGHT OUTPUT



1565 lumen

COLOUR FASTNESS



RA 95

ENERGY USAGE



max. 24 Watt

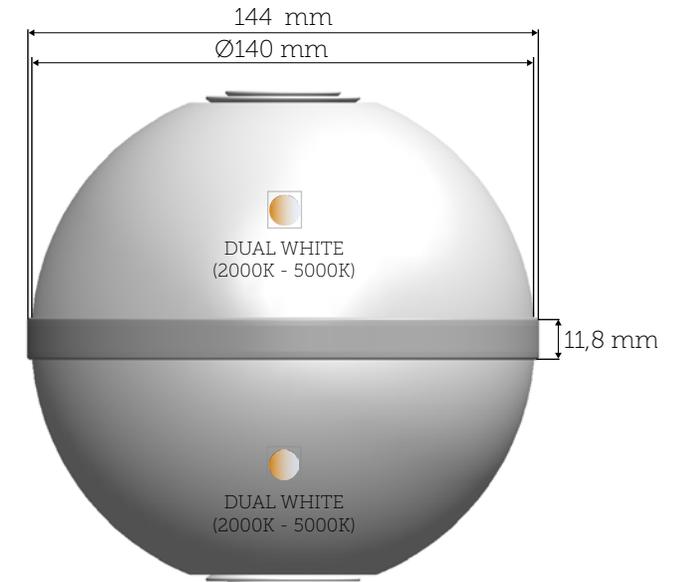
LIFESPAN



70% after
50,000 hours



BASIC
DUAL WHITE + DUAL WHITE



DUAL WHITE + DUAL WHITE (2000K-5000K)

ART. NR: S-DW-C

INTEGRATED CASAMBI CONTROL SYSTEM

DUAL WHITE + DUAL WHITE (2000K-5000K)

ART. NR: S-DW-D

INTEGRATED DMX CONTROL SYSTEM

LIGHT OUTPUT



1721 lumen

COLOUR FASTNESS



RA 95

ENERGY USAGE



max. 24 Watt

LIFESPAN



70% after
50,000 hours



MOUNTING SPECIFICATION

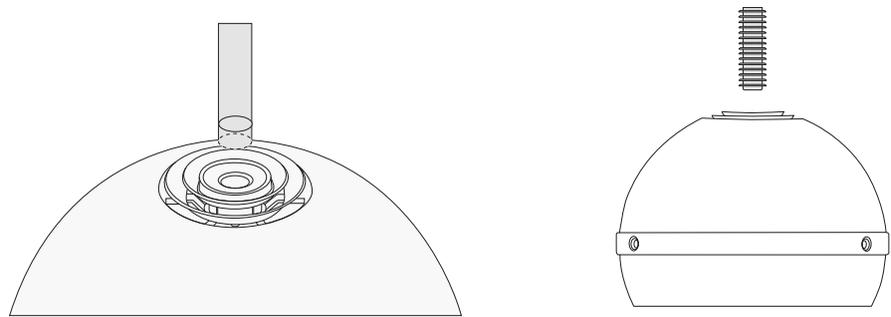
LED SPHERE

MOUNT OPTIONS LED SPHERE:

- 1 Via a thread tube on the top and/or bottom of the Sphere (underneath the centralised fan).
- 2 Via a panel mount in between the two half Spheres.
- 3 Via three M4 screw mounting holes in the middle ring of the Sphere.

THREAD TUBE TOP AND BOTTOM:

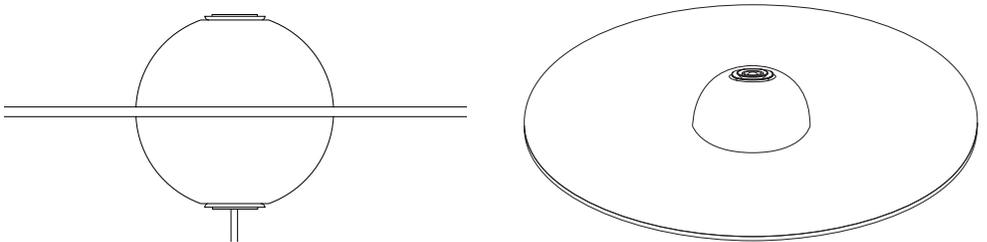
At the top and bottom sides of the LED Sphere, a **M10x1** thread tube can be screwed in up to **9mm**. Whilst the thread is only visible on one side of the sphere, you can also undo the centre of the plastic fan to access the M10x1 thread on the other side.



PANEL MOUNT BETWEEN TWO HALVES:

Divide the two half spheres by unscrewing the inbus bolt at the centre of the sphere and unplugging the connection. The half spheres can then be remounted on the top and bottom side of a panel. The panel needs to have a minimal thickness of 6.5 mm and the hole in the panel needs to be approx. 133.5 mm. Pay attention to the positioning pins and the connection between the half spheres, when remounting the sphere.

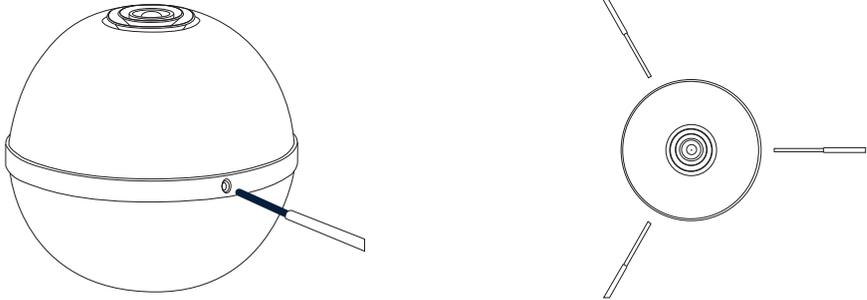
When the luminaire is using the LED Sphere as a mounting device on the ceiling, make sure the maximum weight of the luminaire is 5





SCREW MOUNTING HOLES IN MIDDLE: RING:

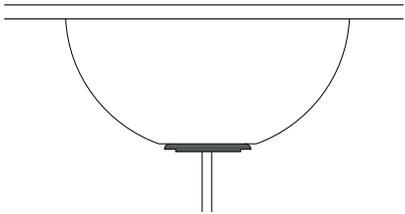
The middle ring of the DYDELL LED Sphere provides three M4 mounting connections. The mounting connections are equally divided over 360 degrees. The thread in the mounting holes starts at a depth of 45mm and ends at a depth of 60mm.



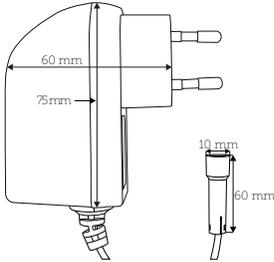
Power Supply

The LED sphere must be supplied with 24V. We can provide a power supply in 3 varieties:

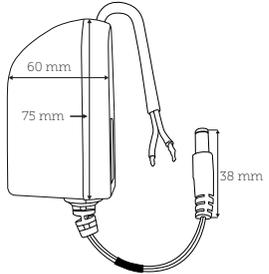
1. custom ceiling rosette with integrated power supply



2. a plug-in power supply



3. an adapter that can be connected to existing 230 wiring.



ARTICLE NUMBER:

Create your own article number

Article number: _-_____-100_-_-____mm

LIGHT ENGINE	CONTROL OPTIONS	LUMINAIRE RING	COLOUR WIRING	LENGTH
S-DW= Dual white	D = DMX (Loxone / KNX)	1000 = Standard White	T = Semi transparent	3000 mm
S-DW-RGB+W = Dual white 2000K-5000K + RGB+W (2700K)	C = Casambi	1001 = Wooden ring oak	W =White	5000 mm
D-RGBW = RGB+W (2700K) + RGB+W (2700K)		1004 = No ring	B = Black	10000 mm
		1005 = Customized	C = Customized	15000 mm

DATASHEET:

MEASUREMENTS

MEASUREMENTS	
Dimensions	140 X 140 X 140 mm
weights	1450 Grams
Material	PC / PE / Aluminium
Finish	Matte Finish
Colour	White
Ingress protection rating	IP20

SAFETY AND ENVIRONMENT SPECIFICATIONS:

PROTECTION	
Over Voltage	24 ~ 26 VDC
Short Circuit	No Protection
Safety	CE approved
ENVIRONMENT	
Operating temperature	Operating: -15°C ~ 70°C
Humidity	Operating: 5% ~ 90% RH (Non condensing)
LED lifetime	70% after 50.000h

INPUT / LIGHT SPECIFICATIONS:

	RGBW/RGBW	DW/RGB+W	DW/DW
Input voltage	24V	24V	24V
Current	1A max	1A max	1A max
Lumen output	1575 Lumen	1565 Lumen	1555 Lumen
Warm white Colour temperature	2700 K	2000K / 2700K	2000 K
Cool white Colour temperature	-	5000K	5000 K
RGBW	YES	YES	-
CRI	> 95 Ra	> 90 Ra	> 90 Ra



SPHERE



ENGINE



DYDELL
.COM

DYDELL BV

The Netherlands

info@dydell.com

www.dydell.com

T +31 (0) 23 529 28 88