

AkuDisc

24VDC

AkuDisc is a fully configurable, circular, disc shaped, LED acoustic pendant luminaire available in 4 diameters: 21.65", 29.53", 37.40" and 45.28" and either a 24VDC or 48VDC version. The disc is made of recycled PET felt with excellent acoustic & fire properties, and is available in 6 standard felt colors, and 4 standard ring colors.



Fixture Dimensions - see page 2

TECHNICAL DATA

Wattage	62W, 87W, 113W, 138W
Power Supply	Remote 24VDC, not included. See page 2. Integral Casambi PWM Control Unit
Construction	Ring: High-grade Aluminum Acoustic Disc: Fire-rated Recycled PET Felt
CCT	Tunable White 2200K-6500K
CRI	>90
Delivered Lumens	3519 lm (62W, 3500K) 4937 lm (87W, 3500K) 6356 lm (113W, 3500K) 7777 lm (138W, 3500K)
Efficacy	57 lm/W (3500K)
Optics	Diffused
Felt Colors	6 Standard, see below
Ring Colors	4 Standard, see below
Fixture Dimensions	Ø21.65", Ø29.53", Ø37.40", Ø45.28"
Lumen Maintenance	90,000 hrs L80 (Ta 25°C) - 24VDC version
Color Consistency	3-Step MacAdam

ORDERING INFORMATION

Example: Aku-750-TW-B-C-D.US. Power Supplies ordered separately.

Aku	-		-	TW	-		-		.		US
Model No.	Diameter	CCT	Ring Colors	Felt Colors	Control System						
Aku	550 - 21.7 in 750 - 29.6 in 950 - 37.5 in 1150 - 45.4 in	TW - Tunable White (2200K-5000K)	A - Aluminum Matte B - Black Matte S - Silver G - Gold	M - Marble Gray S - Sand C - Coconut N - Night Blue A - Anthracite B - Black	D - Dali C - Casambi	US					

Job Name/Date:

Fixture Type Designation:

SUGGESTED POWER SUPPLIES

Remote 24VDC - Integral Casambi PWM Control Unit

Part Number	Description	Input/Output	# of Fixtures			
			62W	87W	113W	138W
PPLT00681	Non-Dim	120-277VAC to 24VDC, 90W, Class 2, IP67	1-1			
PPLT00543	0-10V Dimming to 15% (-40°C / -40°F cold weather start)	120-277VAC to 24VDC 100W Class 2	1-1			

DRIVERS IN NEMA ENCLOSURE

Remote 24VDC - ELV / TRIAC / 0-10V

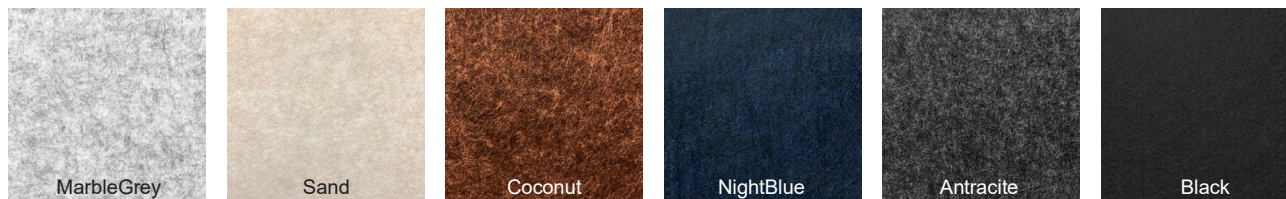


PPLT00715

Part Number	Description	Input/Output	# of Fixtures 62W
PPLT00715	ELV / TRIAC / 0-10V Dimming	120-277VAC to 24VDC, 96W, Class 2, WET/DAMP	1-1

For other power supply options, and for AkuDisc 750, 950 and 1150, consult factory.

FELT COLORS



RING COLORS

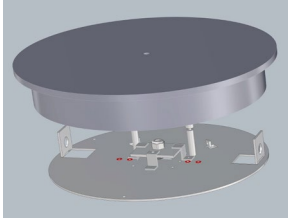


Job Name/Date:

Fixture Type Designation:

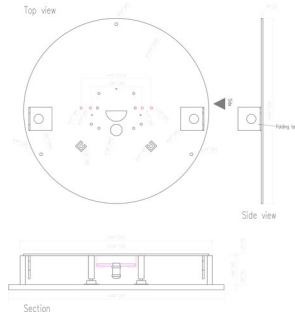
ACCESSORIES

Installation



CEILING ROSE

Ceiling Rose - Gear Tube



Optional

CASAMBI APP

Casambi App & Power Supply
(required for Casambi version)

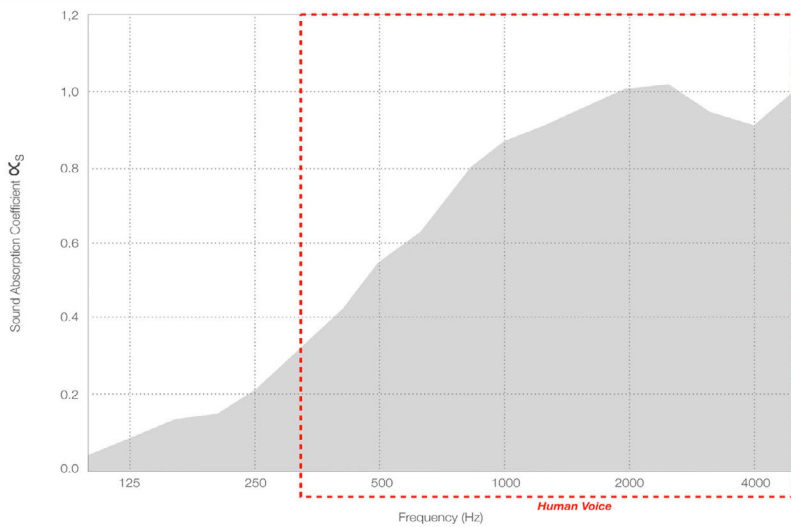
CASAMBI WALL SWITCH

Casambi Wall Switch
(optional)

DALI

DALI - AC/DC Power Supply + Dali Converter for 24VDC
(required for DALI version)

ACOUSTIC PERFORMANCE



α_w (ISO 11654) = 0,50 (MH)

NRC (ASTM - C423) = 0,65



LOW FREQUENCY
22% Noise Reduction



MID FREQUENCY
78% Noise Reduction



HIGH FREQUENCY
91% Noise Reduction

Job Name/Date:

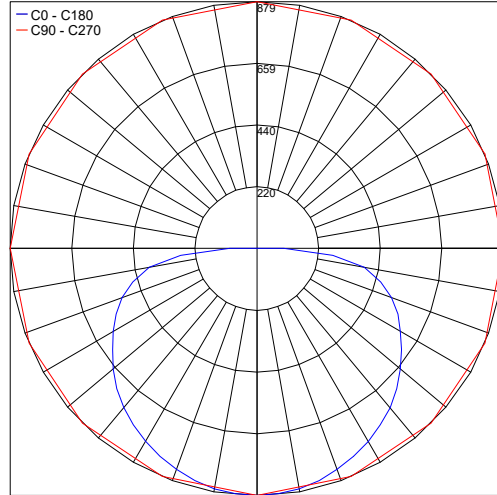
Fixture Type Designation:

PHOTOMETRIC DATA

Note: All photometry is 3000K

AkuDisc 550

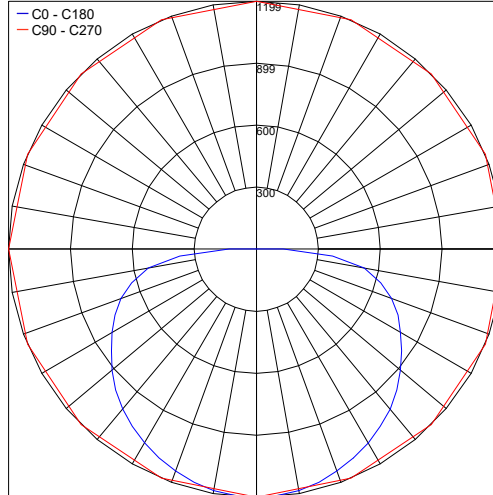
Maximum Candela = 879.1



PHOTOMETRIC FILENAME : AKUDISC-550-24V-TW-MAX.IES

AkuDisc 750

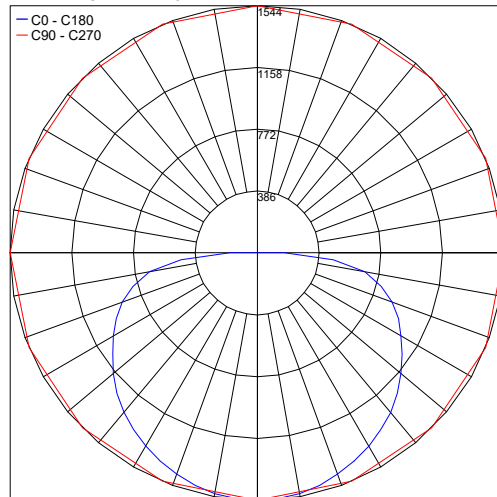
Maximum Candela = 1199.3



PHOTOMETRIC FILENAME : AKUDISC-750-24V-TW-MAX.IES

AkuDisc 950

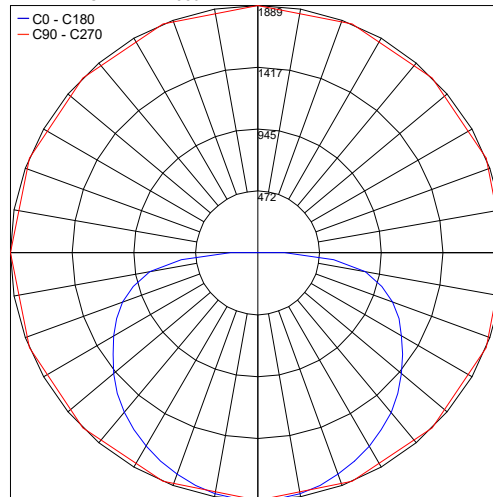
Maximum Candela = 1544



PHOTOMETRIC FILENAME : AKUDISC-950-24V-TW-MAX.IES

AkuDisc 1150

Maximum Candela = 1889.2



PHOTOMETRIC FILENAME : AKUDISC-1150-24V-TW-MAX.IES

Job Name/Date:

Fixture Type Designation: