

AMBIANE® HP111 SURFACE MOUNT

Surface mount version of Ambiane is ideal for mid-throw application onto a levelled ceiling. Same light source specification hidden inside of the beautiful design makes this fixture an ideal add-on to lighting design of Ambiane series. Giving designers and installers a choice of 20, 40, 60 or 80-degree optical beam spreads, the Ambiane HP111 provides an endless array of positioning options across an entire installation. The incorporation of our L3 (Low Light Linearity) dimming system allows seamless fades to black even when mixed with traditional sources. With no UV or IR emissions which make it ideal for museums as well, the fixture is easily controlled via DMX or DALI and is RDM compatible.



KEY FEATURES

LED Output

Available in wide range of colour configurations (RGBW, PW, TW, TD), the Ambiane HP111 Surface Mount utilises highly efficient LED modules with CRI 90+ ensuring you can always see every colour as it should be. Equally homogenised light output is secured by precisely designed output optics with the highest possible luminous flux 3239 lm and a 90,000 LED lifetime which guarantees low maintenance cost and long light output. The fixture offers many different beam spreads (20°, 40°, 60° and 80°) for the precise light needed in your lighting installation.

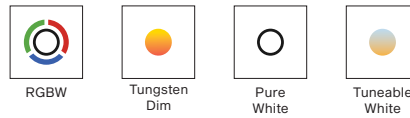
Control

Thanks to our unique L3 (low light linearity) 18-bit dimming system, exceptionally smooth fade to black and colour mixing are now possible. The fixture's remote setting and device management is realised through DALI and DMX512 control protocols with RDM support and intelligent power balancing (always 75 W output in any mixed colour).

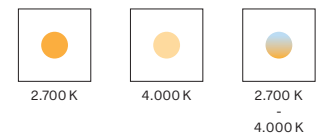
Installation

An ideal replacement for an outdated AR111 fixture, the Ambiane HP111 Surface Mount offers the possibility of a backup power connection to protect against any unexpected blackout and operate as emergency lighting.

COLOURS



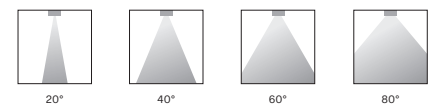
COLOUR TEMPERATURE



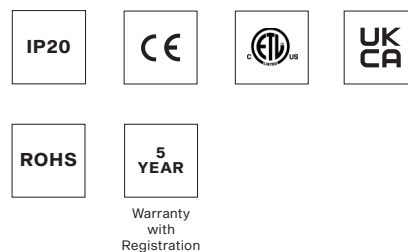
CONTROL & PROTOCOLS



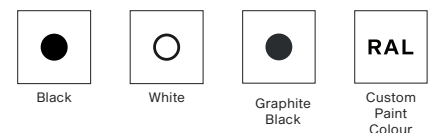
OPTIC OPTIONS



STANDARD & SPECIFICATION



FINISH OPTIONS



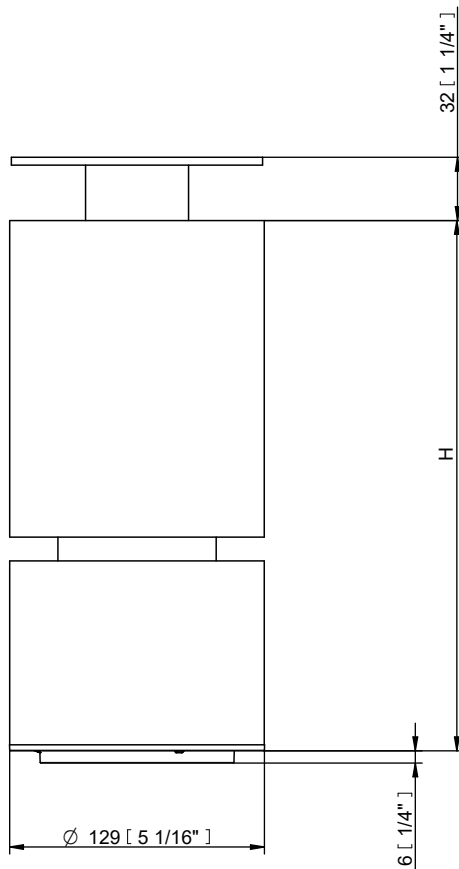
AMBIANE HP111 SURFACE MOUNT SPECIFICATION

ELECTRICAL	Input Voltage	48 V DC		
	Input Voltage range	44-50 V DC		
	Max. Power Consumption (Primary power Secondary power)	75 W 20 W		
	Max. Operating time for Sec. power	3 hours		
OPTICAL	Light Source	High Power LED module		
	Colour Variants	RGBW (W 2700 K or 4000 K)	Pure White	Tunable White Tungsten Dim
	Colour Temperature of White	PW 2700 K or 4000 K TW 2700-4000 K TD 3200 K		
	CRI	90+		
	Beam Angle	20° 40° 60° 80°	20° With Ring Louver for Ambiane HP111	
	Lumen Output Delivered	2.289 lm (RGBNW at 20° 4000 K)		3.239 lm (RGBNW at 60° 4000 K)
		3.024 lm (RGBNW at 40° 4000 K)		3.145 lm (RGBNW at 80° 4000 K)
Projected Lumen Maintenance	L90B10 >90.000 hrs, Ta = 25°C / 77°F			
CONTROL	Interface Protocol	USITT DMX512, RDM, DALI 2, 0-10 V		
	DALI 2 Device Type	DT 8		
	Control System	ArcControl Range or any Third Party Controller		
	DMX Modes DNX Channels	5 (for RGBW version) 4, 3, 12, 3, 6		
	Settings / Addressing	DIP Switch		
	Power Supply	Ambiane Power HP (48 V / 100 W)	Ambiane Power Rack (CE/US)	
PHYSICAL	Width x Height x Depth Weight	Ambiane HP111 Surface Mount 20° - ø129 x 302 mm (ø5.08 x 11.9 in.)		3.1 kg 6.8 lbs @ 20°
		Ambiane HP111 Surface Mount 40° - ø129 x 298 mm (ø5.08 x 11.73 in.)		3.1 kg 6.8 lbs @ 40°
		Ambiane HP111 Surface Mount 60° - ø129 x 285 mm (ø5.08 x 11.22 in.)		3 kg 6.6 lbs @ 60°
		Ambiane HP111 Surface Mount 80° - ø129 x 268 mm (ø5.08 x 10.55 in.)		3 kg 6.6 lbs @ 80°
	Housing	High Pressure Extruded Aluminium Body		
	Finish Options	Standard Color - White RAL9016 Black RAL9005 Graphite Black RAL9011		
		Cost Option - Custom RAL		
	Cables / Connections	Terminal block (Power In, DMX In/Out, DALI In/Out, Secondary Power Input)		
	Mounting Method	Via Mounting Adaptor		
	Protection Factor	IP20 / Dry location only		
	Cooling System	Convection		
	Operating Ambient Temperature	-20 °C / +40 °C (-4 °F / +104 °F)		
	Max. Operating Temperature	+75°C (167°F)		
CERTIFICATION	Listings	ETL / cETL, RoHS, CE (including ČSN EN 60598-2-22 / Emergency lighting, ISO17067), UKCA		
ACCESSORIES	Included Items			
		Control Unit		
	Not Included Items			
		Ring Louver 20° (Factory Fitted)		
		Ambiane Power Rack (CE/US)		
	Ambiane Power HP (MeanWell ELG-100-48-3Y)			

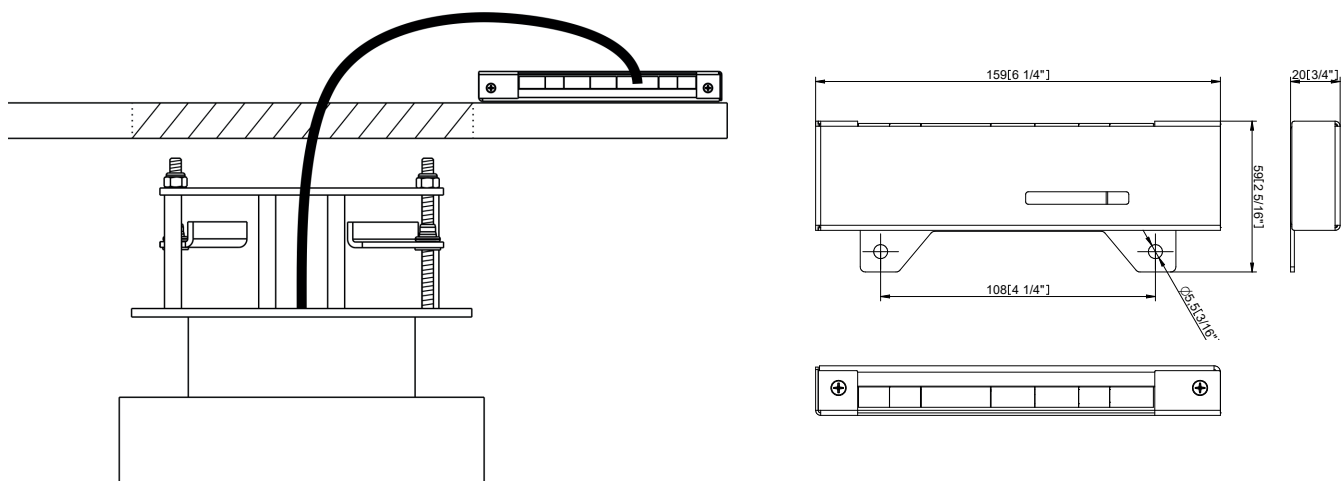
DIMENSIONS

Ambiane HP111 Surface Mount (with Ring Louver)

Ambiane HP 20° H = 302 mm [11 7/8 in.]
 Ambiane HP 40° H = 298 mm [11 3/4 in.]
 Ambiane HP 60° H = 285 mm [11 1/4 in.]
 Ambiane HP 80° H = 268 mm [10 9/16 in.]



Ambiane HP111 w/Connection Unit



DIAMETER OF CONDUCTORS

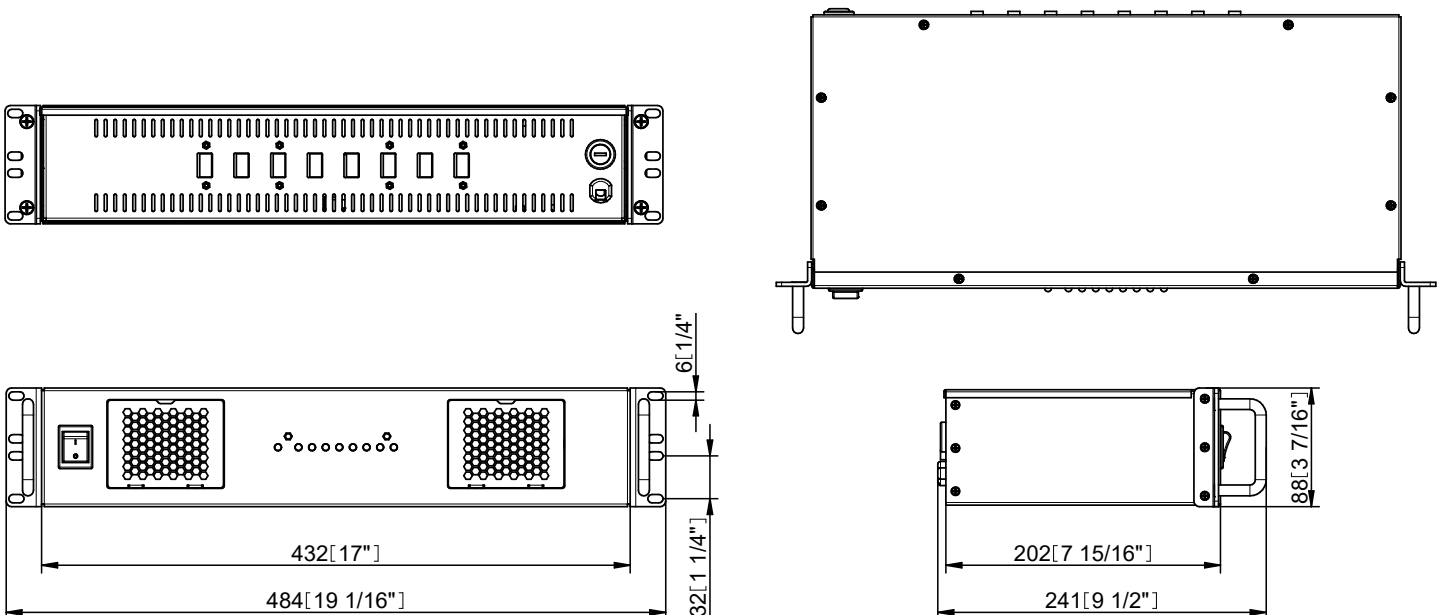
Recommended diameters of conductors with respect to distance between Fixture and Power supply.

Distance / Cable length	25 m	50 m	75 m	100 m
Diameters of conductors	0.5 mm ²	1 mm ²	1.5 mm ²	2 mm ²

AMBIANE POWER RACK (CE / US) SPECIFICATION

ELECTRICAL	Input Voltage	100 – 240 V AC 50/60 Hz (Ambiane Power Rack) 100 – 277 V AC 50/60 Hz (Ambiane Power Rack US)
	Maximal Power Consumption	1350 W
	Output Voltage	48 V DC
	Outputs	8
	Max. Load per output	200 W
	Max. Total Load	1200 W
	PHYSICAL	Length x Height x Depth
Weight		5.4 kg 11.9lbs
Housing		Rack Standard - 2U or Wall Mounted Brackets
Finish Options		Standard Colour - Graphite Black (RAL 9011) Silver (RAL9006)
		Cost Option - Custom RAL
Cables / Connections		8 x Terminal Block (DC power Out)
		1x Main Power Cord (w/plug; CE/US)
Mounting Method		Designed to Rack Box Installation
Protection Factor		IP20 / Dry locations only
Cooling System	Fan Cooled	
Operating Ambient Temperature	-20 °C / +40 °C (-4 °F / +104 °F)	
CERTIFICATION	Listings	ETL / cETL, CE, RoHS , UKCA

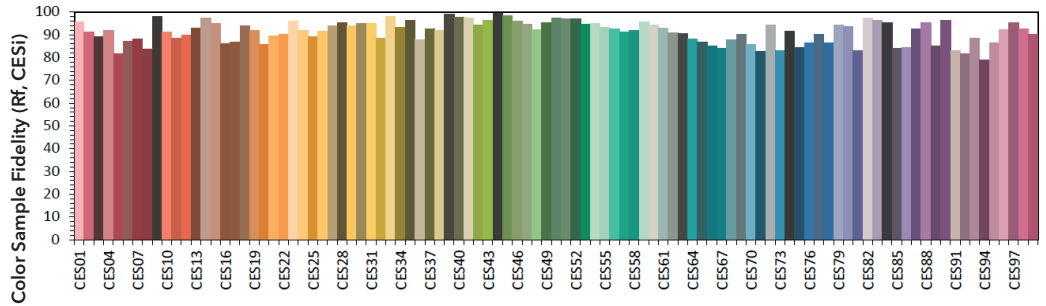
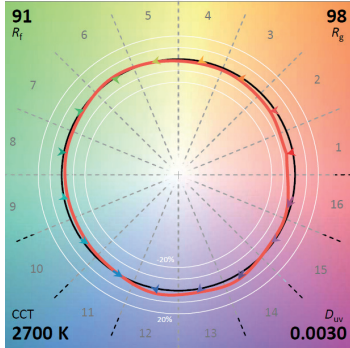
DIMENSIONS



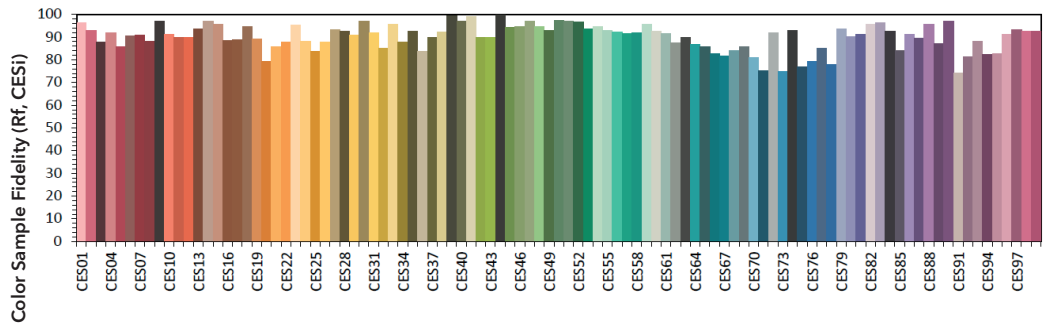
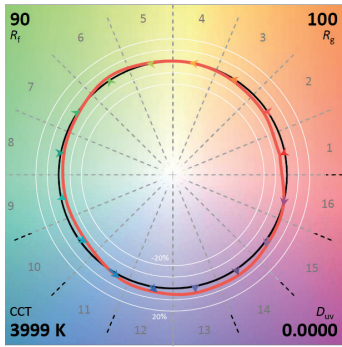
TM30 FOR AMBIANE HP111

NOTE: This is a recommended method for displaying ANSI/IES TM-30-18 information.

RGBWW VERSION



RGBNW VERSION



PHOTOMETRIC OVERVIEW

Lumen Output (lm)

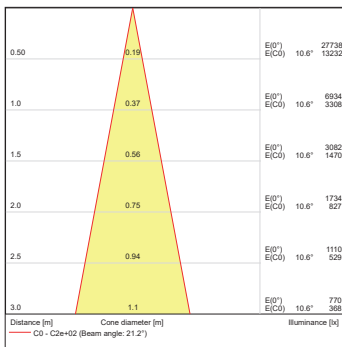
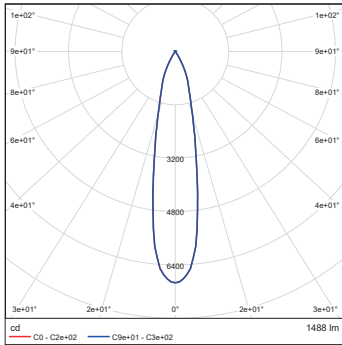
	RGBWW (2700 K)	RGBNW (4000 K)	PW (2700 K)	PW (4000 K)	TW (2700 - 4000 K)	TD (3200 K)
20° with Louver	1 109	1 488	1 526	1 911	1 109 - 1 488	1 500
20° without Louver	1 705	2 289	2 347	2 940	1 705 - 2 289	2 307
40°	2 253	3 024	3 101	3 884	2 253 - 3 024	3 048
60°	2 413	3 239	3 321	4 160	2 413 - 3 239	3 265
80°	2 343	3 145	3 225	4 039	2 343 - 3 145	3 170

UNIFIED GLARE RATING (UGR)

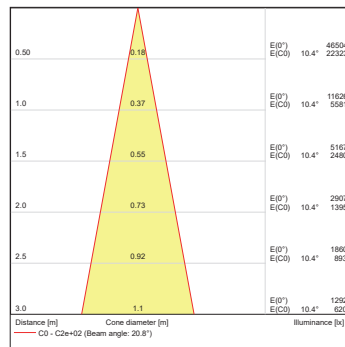
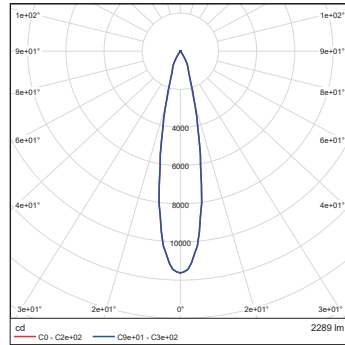
20° with Louver	<7 UGR
20° without Louver	<17 UGR
40°	< 21 UGR
60°	< 22 UGR
80°	< 25 UGR

PHOTOMETRIC DATA

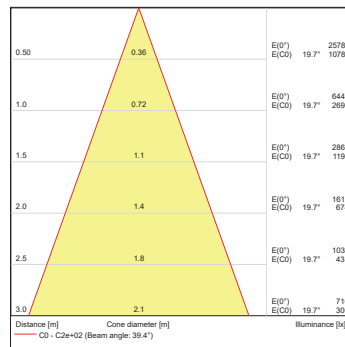
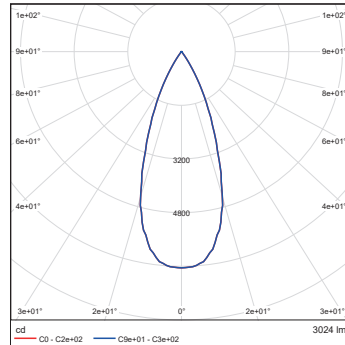
Ambiane HP111 RGBW 20dg with Ring Louver



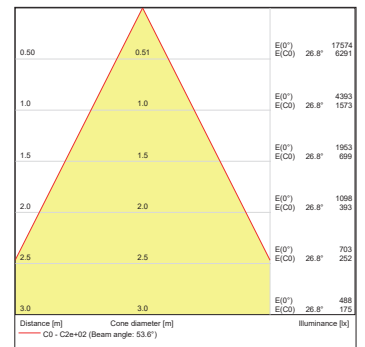
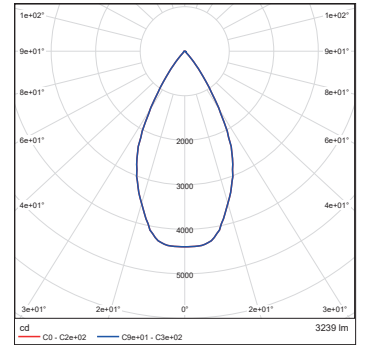
Ambiane HP111 RGBW 20dg without Ring Louver



Ambiane HP111 RGBW 40dg



Ambiane HP111 RGBW 60dg



Ambiane HP111 RGBW 80dg

