

# AMBIANE® MP111 RECESSED

As the mid-size luminaire in the Ambiane series, the new Ambiane MP111 Recessed is designed for lower ceiling installations or to cover areas where the power of the Ambiane HP111 is not necessary. Using the same light source specification as all other Ambiane series members, the fixture is an ideal add-on to lighting designs using a host of Ambiane luminaires. Giving designers and installers a choice of 20°, 40°, 60° or 80-degree optical beam spreads, the Ambiane MP111 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 MP111 Recessed utilises highly efficient LED modules with CRI 90+ ensuring you can always see every colour without colouring distortion. Equally homogenised light output is secured by precisely designed output optics with the highest possible luminous flux 2.206 lm and a 90,000 LED lifetime which guarantees low maintenance cost and long-lasting light output. The fixture offers four different beam spreads (20°, 40°, 60° and 80°) for precisely defined light output, required in a lighting installation.

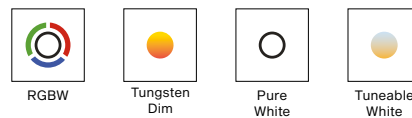
### Control

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.

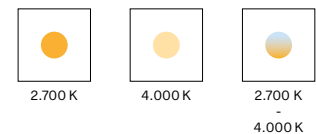
### Installation

Mounting via holders into false ceiling as an ideal replacement for an outdated AR111 fixture.

## COLOURS



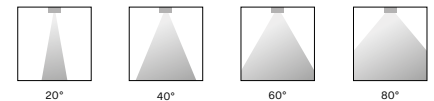
## COLOUR TEMPERATURE



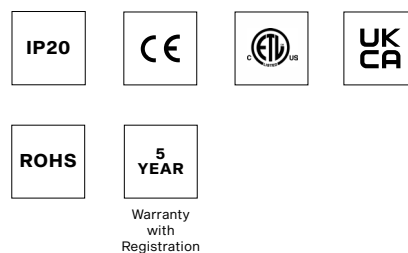
## CONTROL & PROTOCOLS



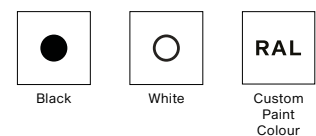
## OPTIC OPTIONS



## STANDARD & SPECIFICATION



## FINISH OPTIONS



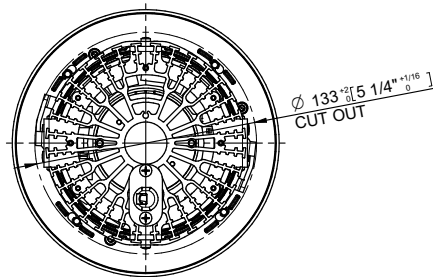
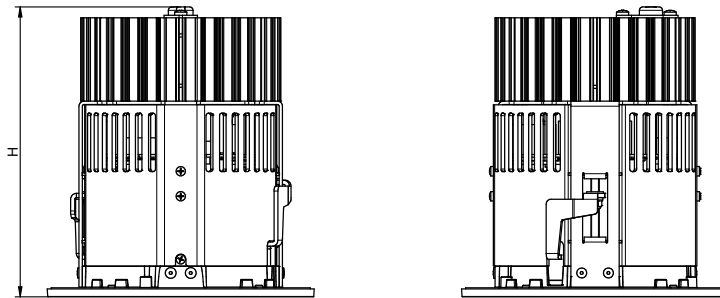
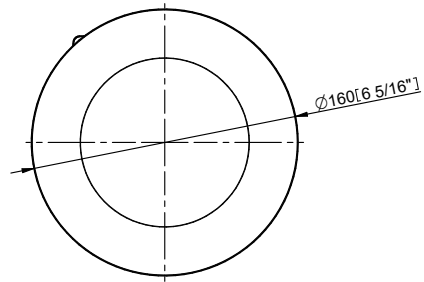
**SPECIFICATION**

<b>ELECTRICAL</b>	Input Voltage	48 V DC			
	Input Voltage range	44-50 V DC			
	Max. Power Consumption	42 W			
<b>OPTICAL</b>	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 MP111		
	Lumen Output Delivered	1.559 lm (RGBNW at 20° 4000 K, w/o Louver)		2.206 lm (RGBNW at 60° 4000 K)	
		2.060 lm (RGBNW at 40° 4000 K)		2.142 lm (RGBNW at 80° 4000 K)	
Projected Lumen Maintenance	L90B10 >90.000 hrs, Ta = 25°C / 77°F				
<b>CONTROL</b>	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   DMX 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)	
<b>PHYSICAL</b>	Width x Height x Depth   Weight	Ambiane MP111 Recessed 20° - ø160 x 174 mm (ø6.3 x 6.85 in.)		1.25 kg   2.8 lbs @ 20°	
		Ambiane MP111 Recessed 40° - ø160 x 177 mm (ø6.3 x 7 in.)		1.25 kg   2.8 lbs @ 40°	
		Ambiane MP111 Recessed 60° - ø160 x 160 mm (ø6.3 x 6.3 in.)		1.35 kg   3 lbs @ 60°	
		Ambiane MP111 Recessed 80° - ø160 x 144 mm (ø6.3 x 5.7 in.)		1.35 kg   3 lbs @ 80°	
	Housing	High Pressure Extruded Aluminium Body, Metal cover			
	Finish Options	Standard Color - White RAL9016   Black RAL9005		Cost Option - Custom RAL	
	Cables / Connections	Terminal block (Power In, DMX In/Out, DALI In/Out)			
	Mounting Method	Recessed, Via mounted bracket. Cut-Out Diameter: 133 mm / 5.24 in			
		Recessed, Via Yoke			
	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)			
	<b>CERTIFICATION</b>	Listings	ETL / cETL, RoHS, CE		
<b>ACCESSORIES</b>	<b>Included Items</b>				
	Control Unit				
	<b>Not Included Items</b>				
	Ring Louver 20° (Factory Fitted)				
	Ambiane Power Rack (CE/US)				
Ambiane Power HP (MeanWell ELG-100-48-3Y)					

**DIMENSIONS**

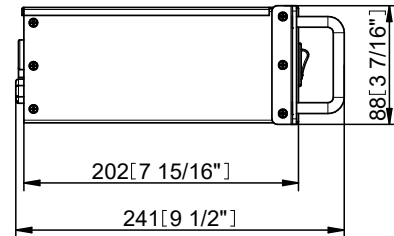
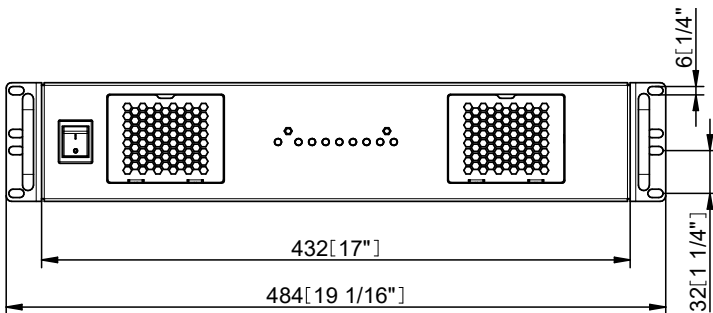
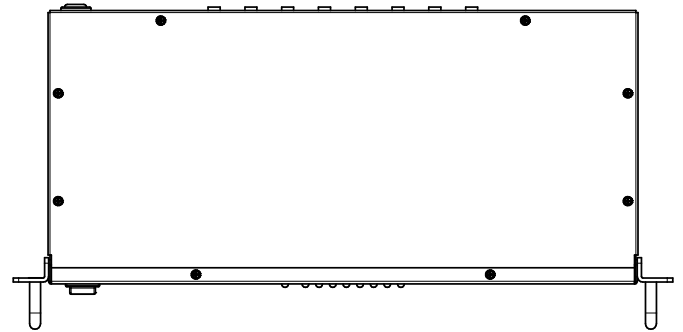
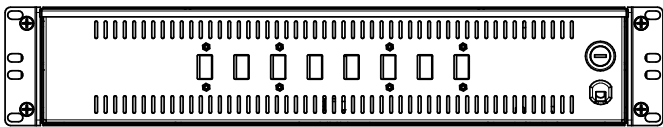
Ambiane MP111 Recessed

Ambiane HP 20° H = 174 mm [6 7/8 in.]  
Ambiane HP 40° H = 177 mm [6 15/16 in.]  
Ambiane HP 60° H = 160 mm [6 5/16 in.]  
Ambiane HP 80° H = 144 mm [5 11/16 in.]



**AMBIANE POWER RACK (CE / US) SPECIFICATION**

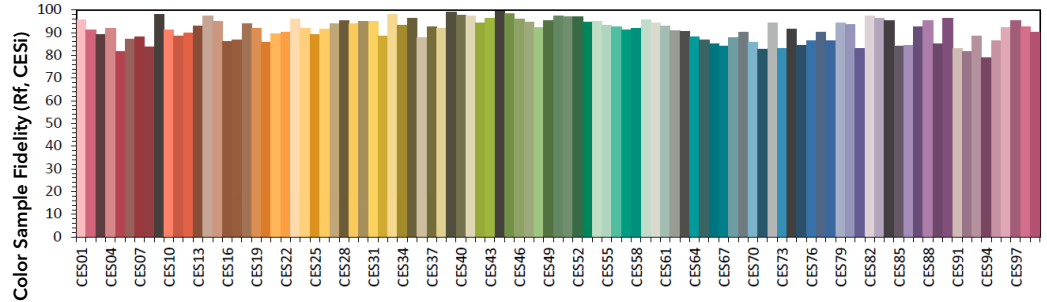
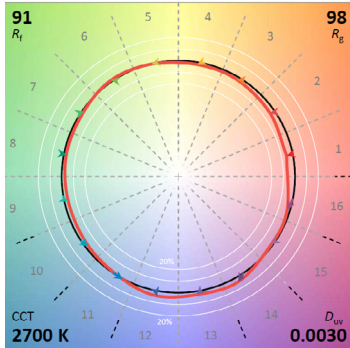
<b>ELECTRICAL</b>	Input Voltage	100 – 240 V AC 50/60 Hz (Ambiane Power Rack)
		100 – 277 V AC 50/60 Hz (Ambiane Power Rack US)
	Maximal Power Consumption	1350 W
	Output Voltage	48 V DC
	Outputs	8
	Max. Load per output	200 W
	Max. Total Load	1200 W
<b>PHYSICAL</b>	Length x Height x Depth	484 / 432 x 88 x 241 / 202 mm (19.05 / 17 x 3.46 x 9.48 / 7.95 in.)
	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)
<b>CERTIFICATION</b>	Listings	ETL / cETL, CE, RoHS , UKCA



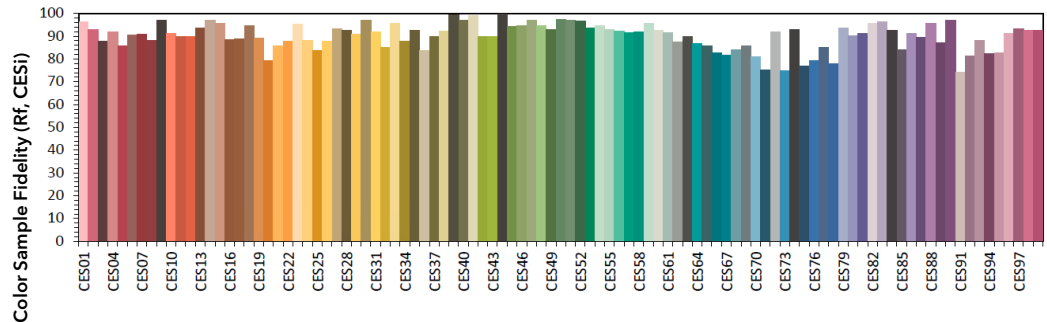
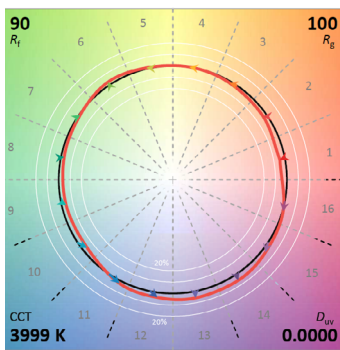
**TM30 FOR AMBIANE MP111**

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

**RGBWW VERSION**



**RGBNW VERSION**



**UNIFIED GLARE RATING (UGR)**

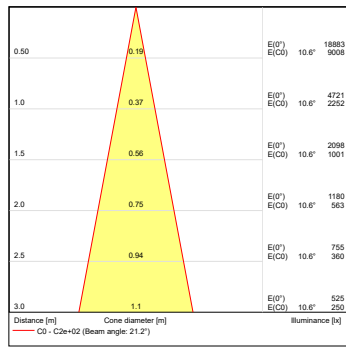
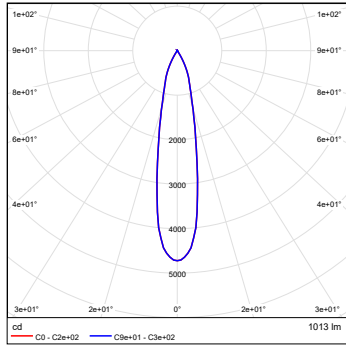
UGR	
<b>20° (with Louver / without Louver)</b>	<6 UGR / <15 UGR
<b>40°</b>	< 20 UGR
<b>60°</b>	< 21 UGR
<b>80°</b>	< 23 UGR

**PHOTOMETRIC OVERVIEW**

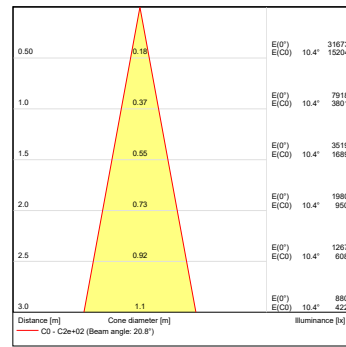
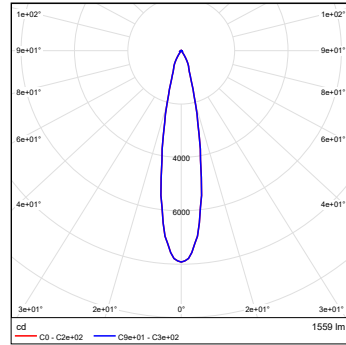
	Lumen Output (lm)	
	RGBWW (2700 K)	RGBNW (4000 K)
<b>20° with Louver</b>	755	1013
<b>20° without Louver</b>	1161	1559
<b>40°</b>	1534	2060
<b>60°</b>	1643	2206
<b>80°</b>	1596	2145

PHOTOMETRIC DATA

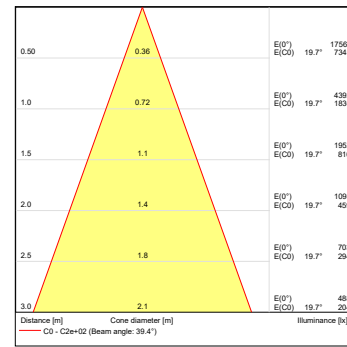
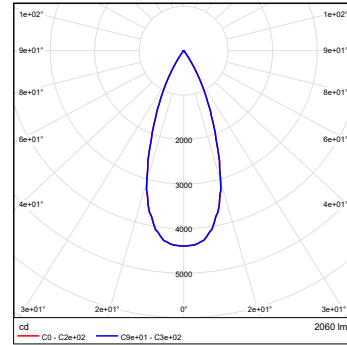
Ambiane MP111 RGBNW 20dg with Ring Louver



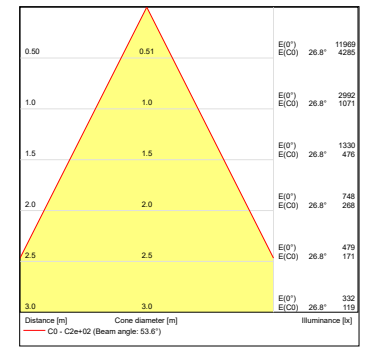
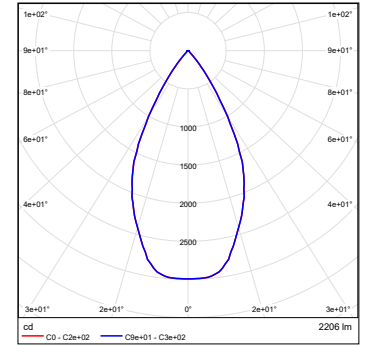
Ambiane MP111 RGBNW 20dg without Ring Louver



Ambiane MP111 RGBNW 40dg



Ambiane MP111 RGBNW 60dg



Ambiane MP111 RGBNW 80dg

