HybridAIR - Matrix Downlight

Product number 801-1090-SP-2.4+4K

GENERAL

Operating Temperature	-10 to + 45°C when correctly installed
IP Rating	IP 44
Dimensions H x DIA	162mm x Ø190mm approx
Weight	1.4 kg approx. LED Light Head only

ELECTRICAL

Supply Voltage	220-240VAC, 50/60Hz
Max Wattage (incl driver)	28W (@ 100% intensity)
Compliance	CE
Efficiency	PSU: 82-87%, Driver: 97%
Control	DMX 512 / RDM Option
DMX connetion	RJ45
Data Isolation	2kV Optical C Isolation
Remote On/Off Control	Dry Contact Closure
Thermal Protection	Active management by AIRLED driver
LED Driver Current	Multiple Channels & Currents: 350, 500, 700mA
Output Connection	Plug in wiring loom

OPTICAL

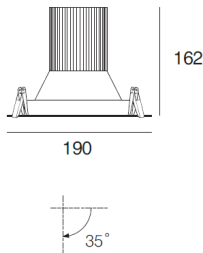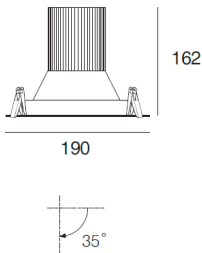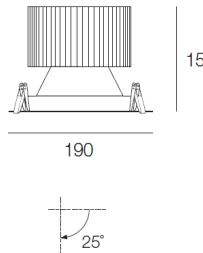|	
Output	Up to 3480lm (@ 100% intensity depending on Optics Configuration)
Chromaticity tolerance	(MacAdam step) - 2
CRI	≥ 85
Colour Temperature	Available in 3K, 4K and 5K with low colour shift over time

KIT CONTENTS

	HybridAIR - Matrix Downlight 28W
	HybridAIR - Matrix Downlight Extension Cable 6m
	HybridAIR Driver
	HybridAIR PSU

ACCESSORIES

1x LDOH001-24-006	DMX Termination Jumper

GENERAL INFORMATION

APPLICATIONS

- Theatres and Concert Halls
- Multi-purpose Conference and Exhibition Venues
- Entertainment Venues and Architectural Installations

FEATURES

- Recessed LED adjustable or fixed downlight
- Trim is constructed in steel and finished in satin white, matte black or bright silver powder coat paint
- Housing constructed in die cast aluminium alloy and finished in powder coated paint
- Adjustable or fixed LED downlight has very high lumen output due to the brilliant optical control maintaining an ultra low glare performance
- Clear tempered glass providing IP44 protection
- Premium quality Japanese LED Module with high lumen output per watt

BENEFITS

- No heat output
- Low power consumption
- Long life without maintenance: >65,000 hours lifespan (L70)
- Reflector and customised heatsink provides premium
- Efficient optical control in various beam angles with no harsh cut off and ultra low glare
- Reflector and customised heatsink provides premium optical and thermal performance

1090 - 28W	1092- 45W	1091 - 60W
162 / 190 / 35°	162 / 190 / 35°	150 / 190 / 25°

28/45W (kg)	60W (kg)	3K and 4K	5K						
1.4	1.5	CRI >85	CRI >75	180	F	III SELV	□	CE	IP44

TOTAL SYSTEM POWER CONSUMPTION = 28W /45W /60W

CODE ORDERING GUIDE:
PRODUCT CODE /MODEL SUFFIX/DIMMING SUFFIX (if required) – COLOUR SUFFIX
Example: 1090-SP-3K-28W/FX-01 or 1090-SP-3K-28W/AD1/DALI-01

WATT	COLOUR TEMP.	24° SP	36° FL	47° WFL	55° VWFL	HOT LED LUMENS
		PRODUCT CODES				
28W	3K	1090-SP-3K	1090-FL-3K	1090-WFL-3K	-	3312
	4K	1090-SP-4K	1090-FL-4K	1090-WFL-4K	-	3480
	5K	1090-SP-5K	1090-FL-5K	1090-WFL-5K	-	3552
45W	3K	1092-SP-3K	1092-FL-3K	1092-WFL-3K	-	5340
	4K	1092-SP-4K	1092-FL-4K	1092-WFL-4K	-	5610
	5K	1092-SP-5K	1092-FL-5K	1092-WFL-5K	-	6269
60W	3K	1091-SP-3K	-	-	1091-VWFL-3K	7605
	4K	1091-SP-4K	-	-	1091-VWFL-4K	8010
	5K	1091-SP-5K	-	-	1091-VWFL-5K	8213

MODEL OPTIONS: ADD SUFFIX AFTER THE CODE

/AD1	1 Way Adjustable
/FX	Fixed
/FD	Frosted Diffuser

DIMMING OPTIONS: ADD SUFFIX AFTER THE CODE		28W	45W	60W
/DALI	Dali Dimming	✓	✓	✓
/DSI	Digital Dimming	✓	✓	✓
	Switch Dim	✓	✓	✓
/AD	Analogue Dimming 1-10V	✓		
/DIM	Leading & Trailing edge mains dimming	✓		
	Non-dimmable	STANDARD	STANDARD	STANDARD

TRIM COLOUR OPTIONS: ADD SUFFIX AFTER THE CODE

-01	Satin White
-06	Matte Black (INTERNAL COLOUR IS ALSO BLACK)
-10	Bright Silver

Data Sheet 801-1090-SP-4+4K   160620