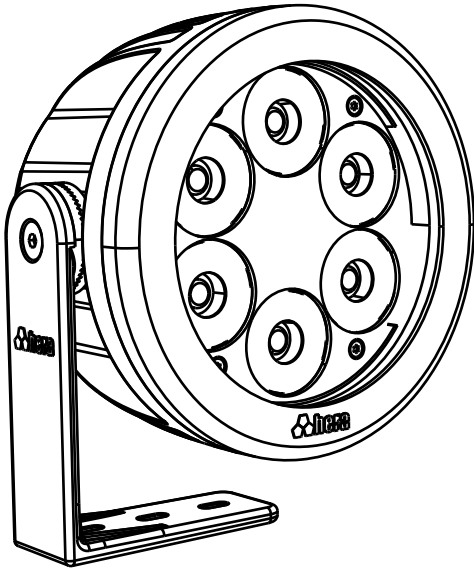


Date _____
 Company _____
 Project _____



Explanation

Procolor®AC RGBW-DW Series is a powerful and outdoor rated floodlight with high lumen output and excellent color consistency. Procolor®AC RGBW-DW floodlights are excellent solution for accent lighting, spot lighting, wall washing, façade lighting applications and widely used in illuminating historical places, monuments in parks and other areas.

Procolor®AC Series is produced in 2 types; Procolor®AC 60RGBW consists of 6 High Power RGBW LEDs (4 in 1 Chip). Procolor®AC 60DW Series consists of 12 pcs 2700K, 12 pcs 6500K LEDs and their arrays are 4 in 1 Chip. Available at 3 different beam angles. Procolor®AC RGBW-DW Series has a sturdy die-cast aluminium body. It works at universal power input 90 ~ 264VAC to ensure connections over long distances. Procolor®AC RGBW-DW Series provides easy setup and programming with standard DMX 512 and RDM protocols without special or complex communication protocols.

- Procolor®AC RGBW-DW provides compatible communication with other fixtures using standard DMX 512 and RDM protocols without requiring any other special communication protocol or production ID. They are remotely addressable in group via RDM protocol. This feature allows for easy pixel mapping and addressing after all installations have been completed.
- Procolor®AC RGBW-DW floodlights enable flexible application using very long starter and jumper cables, since they operate in 90 ~ 264VAC 50/60HZ universal voltage range.
- Through RDM monitoring and software, it is possible to follow and determine: whether the fixtures are working properly, voltage input and output warnings, serial number and display of regional temperature values and DMX address. The user is informed by e-mail according to incoming data thus, automatic interventions are possible based on received data.
- Procolor®AC RGBW-DW Series work through Madrix® software and hardware in coordination. Pixel mapping can be made easily by selecting fixtures in Madrix® library.
- The mounting apparatus, which can move on the fixture, is oriented and secured with a stable gear system at 6° angles, thus maintaining its position with a sturdy lock.
- IP67 class Procolor®AC RGBW-DW floodlights, are designed to meet the challenging requirements of exterior applications with their robust and durable structure. It is resistant to shock, vibration and other harsh conditions through die-cast aluminium body and tempered glass cover.
- Input and output is delivered through a cable and requires an extra junction box. This function allows cable connection between distances. Jumper cables can be determined according to the desired length of cable.
- Procolor®AC RGBW-DW Series is produced in RAL9005-black color as standard, and is also available in different colors in RAL code upon request.

RGBW

DW

Output

Light Source:	6 High Power 4 in 1 Chip RGBW LEDs	24 High Power LEDs (12x 2700K, 12x 6500K)
Lumen Maintenance:	60.000 > hours L70 @ 50° C (full output)	
Color Range:	16.7 Million additive RGB colors, white CCT 6500K	Color temperatures ranging from 2700 K to 6500 K
Ra(CRI):	RGBW Full on 81CRI	DW Full on 74CRI
Beam Angle:	10° / 25° / 35°	10° / 25° / 35°
Luminous Flux:	1564 lm	2160 lm
Luminous Intensity:	9411 cd	13853 cd
Efficacy (lm/W):	50,7 lm/W	68 lm/W

*The values above are measured data in RGBW-DW "Full ON" mode and using a 10° lens. Please see IES/LTD files and photometric measurements for different lens beam angles.

*Photometric performance is measured in compliance with IESNA LM 79-08

*The dynamic power-boost feature enables the light to display the maximum brightness at all times and intensify non-white colors.

Control & Programming

Color Resolution:	4 x 14-bit (Gamma correction)	2 x 14-bit (Gamma correction)
Addressing:	RDM (Group of Remote Addressable Systems)	
Monitoring:	Voltage Monitoring, Temperature Monitoring, Status Monitoring, Power Cycle Monitoring, Lumen-Maintenance Life Monitoring	
PWM Frequency:	1,600Hz flicker free dimming to 0.1%	
DMX Compliance:	USITT DMX512-1990	
RDM Compliance:	ANSI/ESTA E1.20-2010	

Electrical

Operating Voltage:	90 ~ 264VAC 50/60Hz Universal AC input	
Power Consumption:	40W	35W
Connections:	Wire	

Physical

Housing:	Die-Cast Aluminium
Front Material:	Clear Tempered Glass
Installation Brackets:	Die-Cast Aluminium 6° Multi-positional, locking hinges
Hardware:	Stainless Steel
Gasket:	Silicon
Surface Finish:	RAL 9005 Electrostatically polyester powder coat (standard) or Custom Any RAL (optional)

Measurements:

Weight:	1,8Kg (3,96lb)	1,8Kg (3,96lb)
Dimensions: (H x W x D)	173x149x115mm 7x5,8x4,5in	173x149x115mm 7x5,8x4,5in

Environmental

Storage Temperature:	-40°C - 85°C - (-40°F - 185°F)
Start-up Temperature:	-25°C - 50°C - (-13°F - 122°F)
Operating Temperature:	-40°C - 50°C - (-40°F - 122°F)
Thermal Protection:	Automatic over temperature protection
Cooling:	Cooling by free air convection
Vibration Resistance:	Complies with ANSI C136.31-2010
Corrosion Resistance:	Complies with ASTM B117 standard only painted models
Ingress Protection Rating:	IP67
Impact Resistance Rating:	IK09
Humidity (max.):	0 to 98%, non-condensing

Testing:

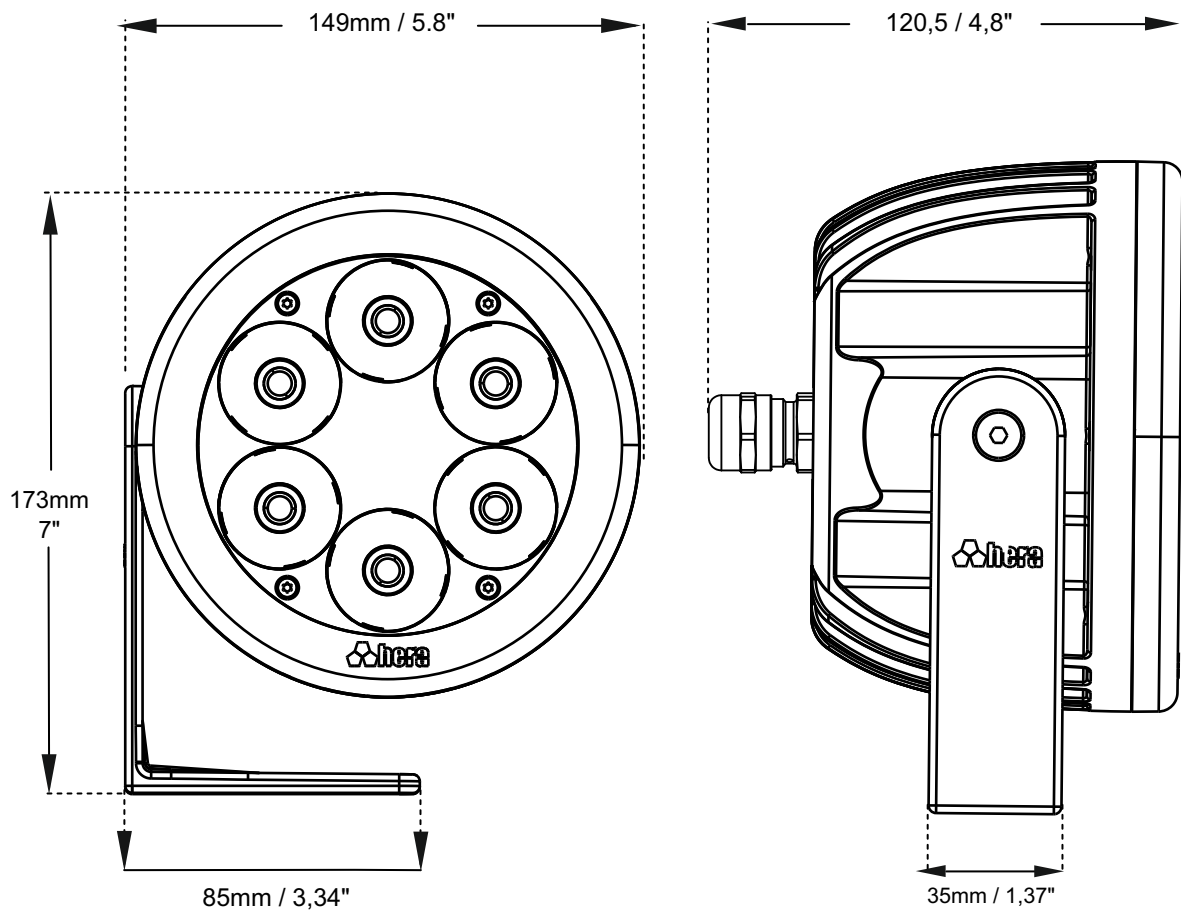
All Hera LED products are assessed by a stringent 100 hour test, above and beyond what they would come across in the real world. This can be seen from our advanced RDM Monitoring System as well, leaving no place for doubt. This strict testing, builds trust, when your reputation is on the line. It is our company's culture and heritage, also our way of securing our worthwhile Customers.

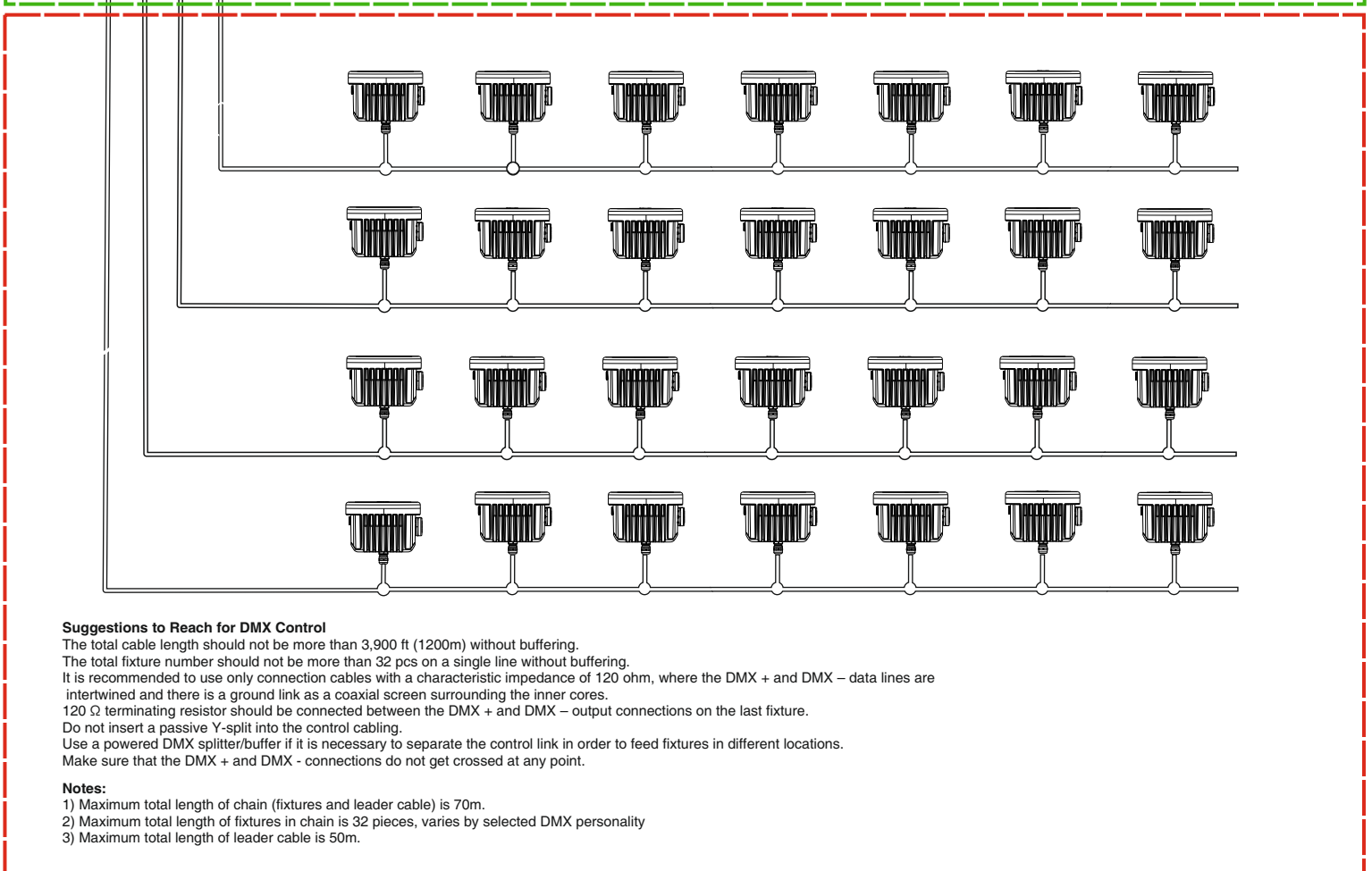
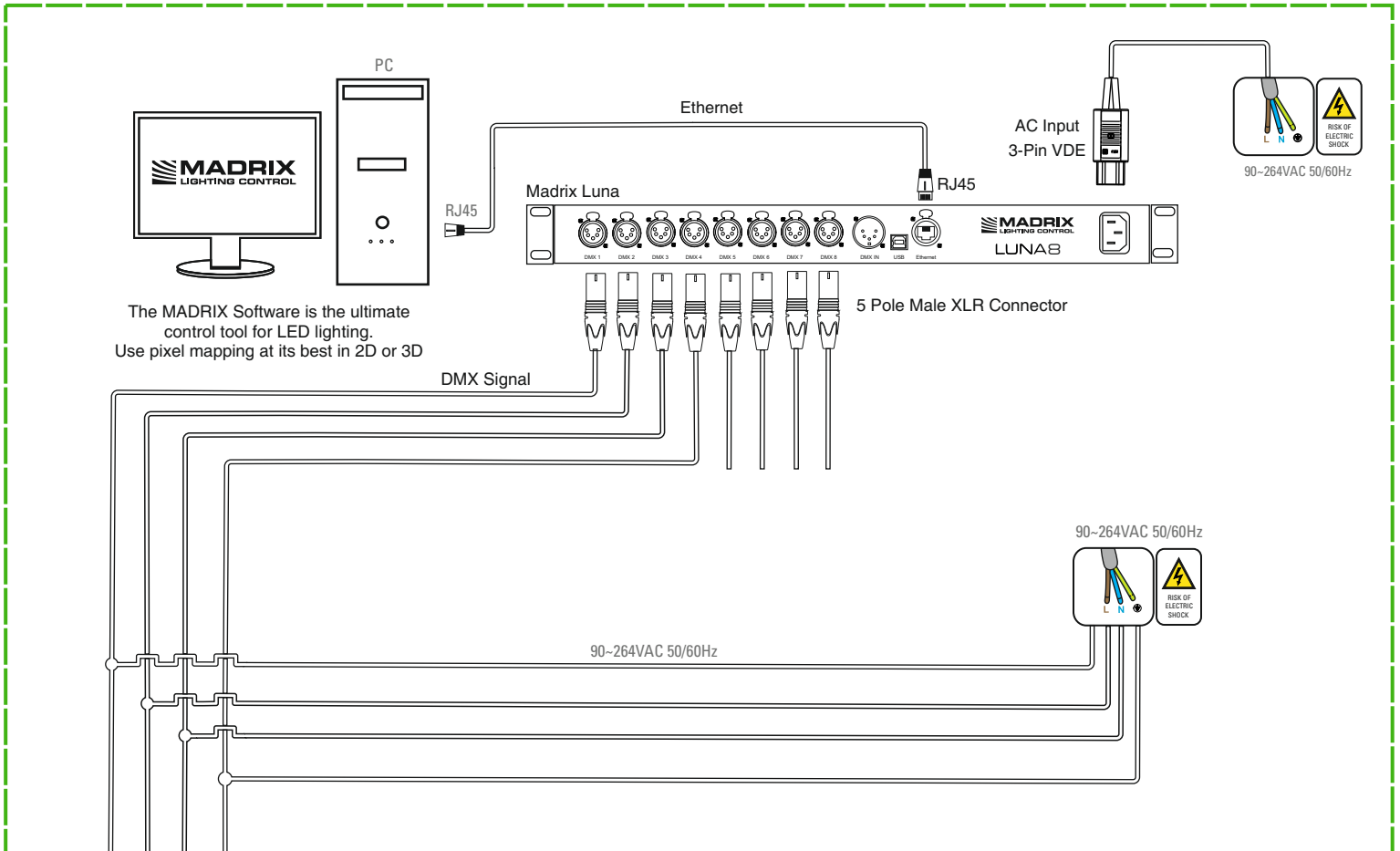
Certification

EU Safety:	EN 60598-1, EN 60598-2-5, EN 62471, EN 60529, EN 62262
EU EMC:	EN 55015, EN 61000-3-2, EN 61000-3-3, EN 61547, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-8, EN 61000-4-11
US Safety:	UL 1598
US EMC:	FCC Part 15 Class A
Warranty:	5-year Limited Warranty

"IEC/TR 62778: Risk Group 2

Possibly hazardous optical radiation emitted from this product. Do not stare at operating lamp. May be harmful to the eye."



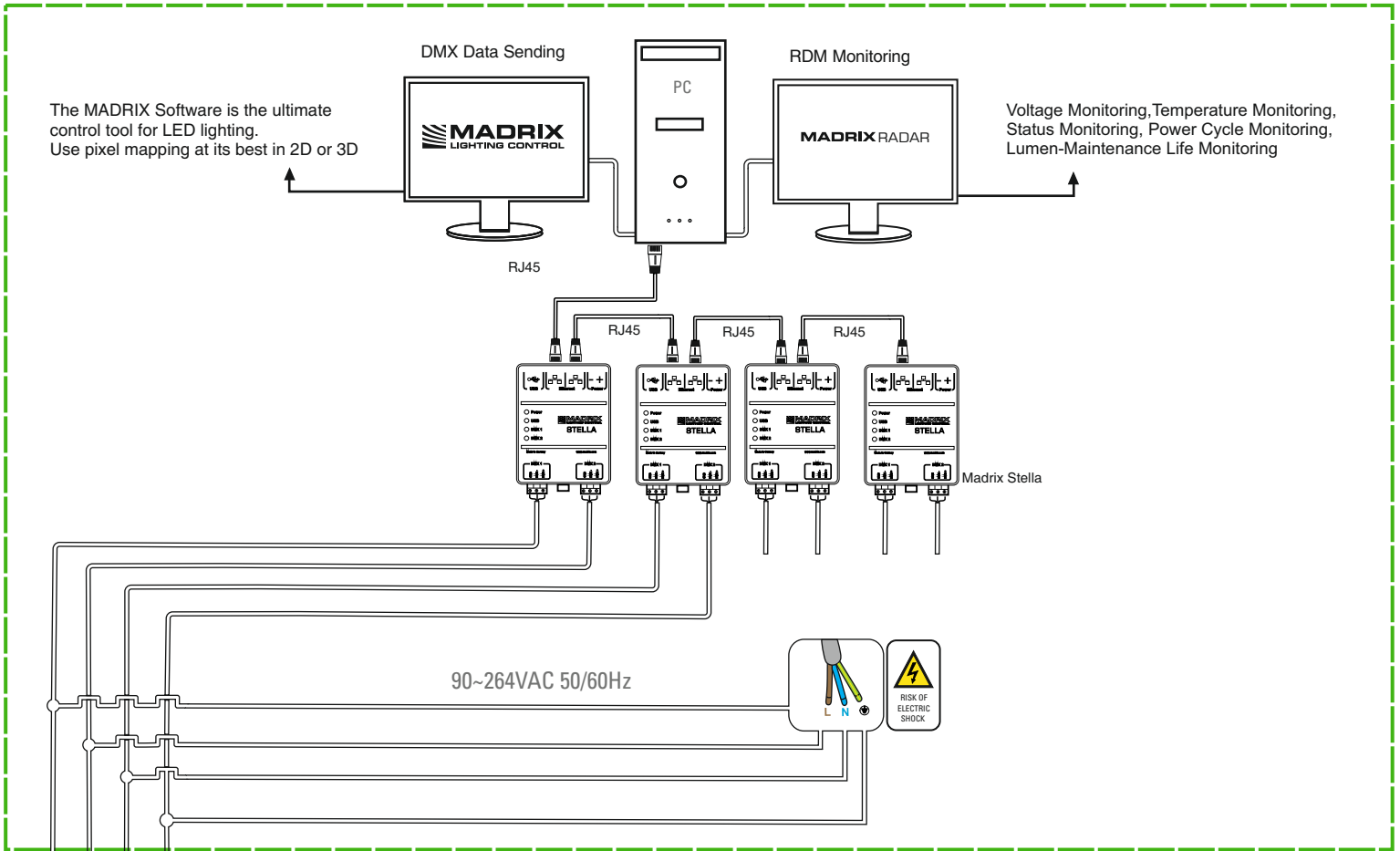


Suggestions to Reach for DMX Control

The total cable length should not be more than 3,900 ft (1200m) without buffering.
 The total fixture number should not be more than 32 pcs on a single line without buffering.
 It is recommended to use only connection cables with a characteristic impedance of 120 ohm, where the DMX + and DMX - data lines are intertwined and there is a ground link as a coaxial screen surrounding the inner cores.
 120 Ω terminating resistor should be connected between the DMX + and DMX - output connections on the last fixture.
 Do not insert a passive Y-split into the control cabling.
 Use a powered DMX splitter/buffer if it is necessary to separate the control link in order to feed fixtures in different locations.
 Make sure that the DMX + and DMX - connections do not get crossed at any point.

Notes:

- 1) Maximum total length of chain (fixtures and leader cable) is 70m.
- 2) Maximum total length of fixtures in chain is 32 pieces, varies by selected DMX personality
- 3) Maximum total length of leader cable is 50m.



RDM Explanation

Procolor®AC 60RGBW-DW Series complies with the RDM Monitoring Command System. In order to use RDM Monitoring System, a compatible controller is required depending on the installation. Through DMX data connection, it is possible to control or change the fixture's settings, send commands and receive or monitor the fixture's data. The recommended RDM controller and the wiring diagram can be found on page 5. RDM command functions supported by Procolor®AC 60RGBW-DW are given in the list below list.

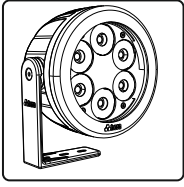
Device Management	Get	Set
Device Info	✓	
DMX Start Address	✓	✓
Identify Device	✓	✓
Device Model Description	✓	
Device Label	✓	✓
Software Version Label	✓	
DMX Personality	✓	✓
DMX Personality Description	✓	
Device Hours	✓	
Lamp Hours	✓	
Device Power Cycles	✓	
Status Message	✓	
Queued Message	✓	
Status ID Description	✓	
Supported Parameters	✓	
Parameter Description	✓	
Factory Defaults		✓
Sensor Definition	✓	
Sensor Value	✓	
Record Sensor		✓
Reset Device		✓
Power State	✓	✓
Perform Self Test		✓
Self Test Description	✓	
Language	✓	

* The command names and command functions used on different RDM controllers may vary.

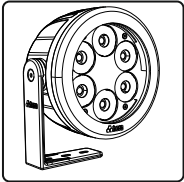
* Incompatible RDM controllers may cause drawbacks such as partial operation, no-operation, or incorrect fixture information.

* You can check the recommended RDM controllers on the www.heraled.com website.

Products



- P03004101 Procolor[®]AC 60RGBW 90~264VAC Floodlight Narrow Beam 8°
- P03004102 Procolor[®]AC 60RGBW 90~264VAC Floodlight Medium Beam 30°
- P03004103 Procolor[®]AC 60RGBW 90~264VAC Floodlight Wide Beam 45°



- P03004121 Procolor[®]AC 60DW 90~264VAC Floodlight Narrow Beam 8°
- P03004122 Procolor[®]AC 60DW 90~264VAC Floodlight Medium Beam 30°
- P03004123 Procolor[®]AC 60DW 90~264VAC Floodlight Wide Beam 45



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