



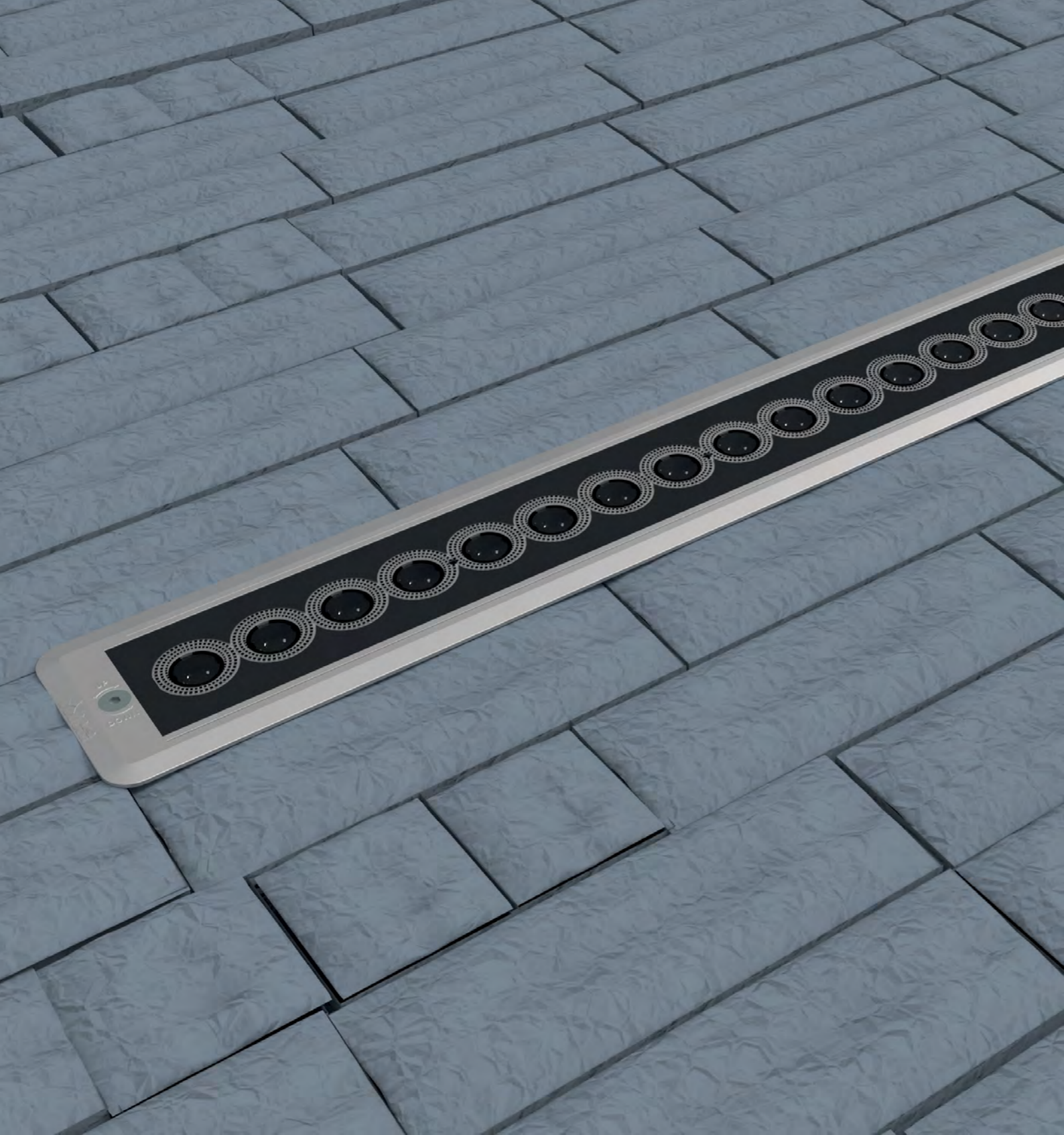
**Be The Change  
You Wish To See**



**MOleLine<sup>®</sup>  
s 1 2 s e r i e s**







**IT's A  
Unique  
Brand**

**MOleline<sup>®</sup>**  
**s 1 2 s e r i e s**



## **Robust Inground Wallwashers in Facade Lighting**

Moleline<sup>®</sup> S12 series is formed of high performance, inground, strong lighting fixtures for outdoor wall-washer applications. The design of these inground wallwashers makes it possible to fully illuminate a vertical surface from the ground up. They are designed for long life time and high efficiency to solve all problems in architectural applications. Through its IP67 protection class and IK08 strength rating, Moleline can be safely used in ground-recessed applications. Despite its unusual durability, it has a linear, aesthetic and minimal appearance.

Moleline<sup>®</sup>S12 Series wallwashers are highly used in architectural lighting, historical monuments, museums, bridges and other special facade lighting applications. It is fully DMX and RDM compatible.

Moleline<sup>®</sup> S12 is available in RGB, RGBW, RGBA, SC (single color) and DW (Dynamic White) options with 12 High Power LEDs.

# Technology That Pushes

## Limits

### Technology for Innovators

#### RDM Monitoring

The lighting controls industry has evolved in favour of RDM. DMX512, the control standard across entertainment & architecture lighting controls, now offers two-way communications for configuration, monitoring and system setup via RDM protocol.

RDM is a killer way to work with your fixtures that are in the air while you are on the ground.

Did a stagehand or technician address 2 lights to the same address? Are some or all of your fixtures in the wrong mode? With RDM, you can change any of these things and more. Depending on your RDM controller, you either can work with 1 fixture at a time, or make changes to a number of fixtures very quickly.

In days before RDM, accessing functions and diagnostics of your fixture like the DMX address, control mode, lamp hour, and fan speed meant you had to be next to the fixture whether it was on the ground or 200 meters up in the air!

The RDM Protocol provides configuration and feedback from architecture lighting, theatre lighting systems, live events, and more. It works by sending pulses of data down the DMX line in-between the normal DMX commands. RDM actually communicates down the same lines as your DMX.

Many consoles and devices allow you to scan for RDM on an as-needed basis, or you can leave your RDM functionality on full-time. Hera LED fixtures, power supplies and splitters are completely compatible and compliant with RDM and have RDM monitoring features via Madrix controllers and software.





# Madrix Radar Software

Hera LED's DMX lighting fixtures are also equipped with Remote Device Management. It is a two-way communication for receiving instructions as well as sending out feedback.

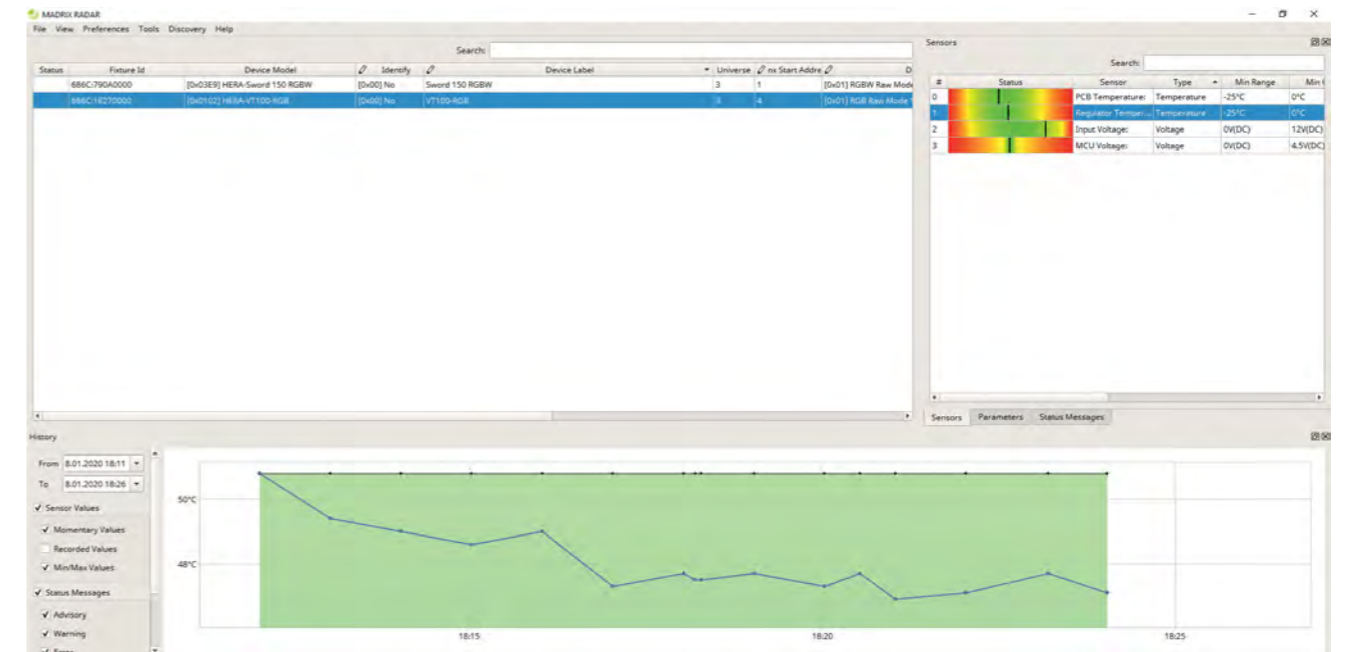
When devices report back data, you gain access to a whole new level of available information, insights, and control. MADRIX® RADAR is the complete toolbox to make the most of this data; automatically and efficiently.

With MADRIX® RADAR, one can supervise all lighting fixtures in a single software and handle large amounts of RDM devices. It is a new kind of application that opens up entirely new possibilities for you and your clients. MADRIX® RADAR includes automatic fixture patching, fully automatic 24/7 device monitoring, automatic e-mail notifications, and much more. This new software will allow you to configure settings remotely in an easy manner, monitor devices automatically for you, quickly see the results in graphical overviews at a single glance. That means that your setup and maintenance processes are much faster, much easier, and much more cost-efficient than ever before.

You can build a database of past sensor data and see the progression of device parameters, such as temperature and operating hours and exchange devices that are likely to fail soon. This way your maintenance costs are much more predictable.

Visualise how your system works.  
Provide unparalleled support for each installation.  
Start offering all-new benefits to your clients.  
Unleash the full potential of RDM.

#	Status	Sensor	Type	Min Range	Min Okay	Min Detected	Value	Max Detected	Max Okay	Max Range	Record Value Support	Rec
0		PCB Temperature	Temperature	-25°C	0°C	0°C	35.8°C	38.5°C	85°C	125°C	[0x01] Recorded Value Supported	
1		Regulator Temper...	Temperature	-25°C	0°C	0°C	47.1°C	50.8°C	85°C	125°C	[0x01] Recorded Value Supported	
2		Input Voltage	Voltage	0V(DC)	12V(DC)	0V(DC)	46.9V(DC)	47V(DC)	55V(DC)	60V(DC)	[0x01] Recorded Value Supported	
3		MCU Voltage	Voltage	0V(DC)	4.5V(DC)	0V(DC)	4.9V(DC)	4.9V(DC)	5.5V(DC)	10V(DC)	[0x01] Recorded Value Supported	



**UNLEASH THE FULL  
POTENTIAL OF RDM**

**AUTOMATIC E-MAIL  
NOTIFICATIONS**

**FULLY AUTOMATIC 24/7  
DEVICE MONITORING**

**INTRODUCING  
MADRIX RADAR**

TRANSFORM HOW YOU WORK WITH LUMINARIES. EASILY CONFIGURE SETTING REMOTELY. LET THE SOFTWARE MONITOR DEVICES AUTOMATICALLY FOR YOU

PROVIDE UNPARALLELED SUPPORT FOR EACH INSTALLATION. START OFFERING ALL NEW BENEFITS TO YOUR CLIENTS

BUILD A DATABASE OF PAST SENSOR DATA AND SEE THE PROGRESS ON OF DEVICE PARAMETERS. SUCH AS TEMPERATURE AND OPERATING HOURS

FULLY AUTOMATIC 24/DEVICE MONITORING. AUTOMATIC E-MAIL NOTIFICATIONS. UNLEASH THE FULL POTENTIAL OF RDM

### **Continuous Monitoring on Sensor Data**

Let the software monitor all of your devices 365 days a year, 7 days a week, 24 hours a day. It does so fully automatically without any required supervision.

MADRIX® RADAR checks the status of devices, such as voltage, temperature, status, power cycle, life cycle, and more. Graphical overviews allow you to quickly see if a sensor value is within its specified limits or out of its valid range.

### **Simplified Fixture Addressing by Addressing**

Easily set up your RDM devices remotely. You can perform any configuration conveniently from your computer; instead of requiring direct access to the devices.

### **Fast Workflow with Powerful Automation**

Drastically reduce the time-consuming process of configuring a large number of devices. Use the built-in search function and change settings of a single device or select several entries to quickly make multiple changes at once.

Let the software automatically patch all fixtures in a single DMX universe or across the entire range of addresses. Simply use drag and drop to put them in the correct order.

### **Fixture Discovery and Full Support on RDM**

Use the built-in highlight mode to let a fixture flash with full-on white for quick identification of fixtures. See if devices correctly responds to DMX commands.

MADRIX® RADAR supports all RDM parameters detailed in the official protocol specifications of ANSI E1.20 and ANSI E1.37-1 over Art-Net.

### **Automatic Notifications and Event Reports**

In addition to merely requesting and receiving information, the software will apply its own logical routines in order to create events for you. By probing and validating incoming data, MADRIX® RADAR provides actionable reports for you.

If MADRIX® RADAR detects any irregularities, you can receive automatic status updates within the software, run a PowerShell script, or let the system conveniently send you e-mails.

### **Invaluable Data History**

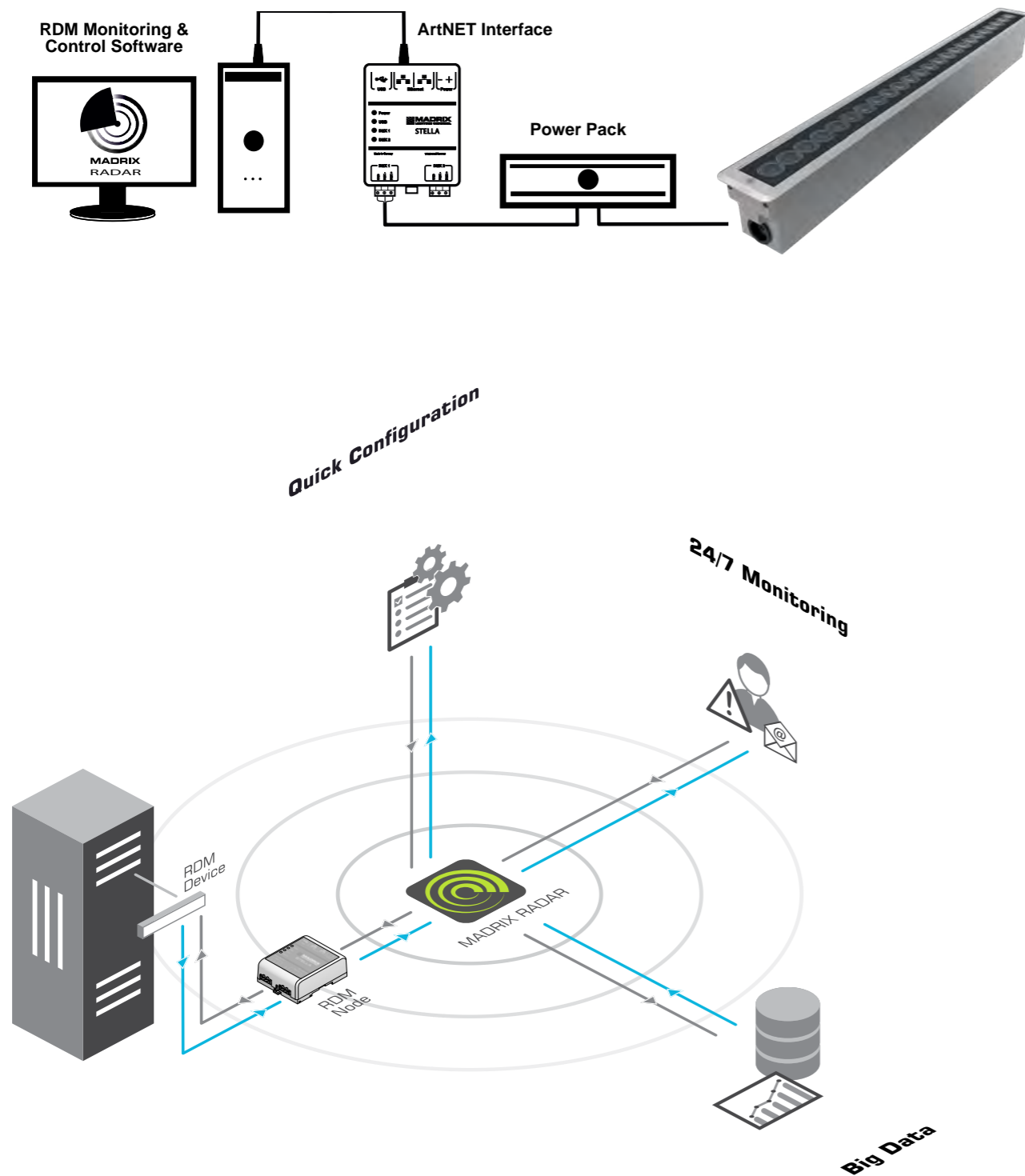
Leverage the valuable information that a device's data history can provide. See individual time series graphically over time. Access data records to see the progression, and find trend lines.

### **Smart Data Management**

Present comprehensive statistics to your clients based on the data that MADRIX® RADAR is collecting. Replace failing devices and avoid replacing the ones that need no immediate replacement. You can freely enable or disable if data points are recorded, for example.

# Setup & Configuration

# With License Model Integra Flexibly Into Your Projects



The MADRIX® System takes advantage of high-quality software and high-quality hardware.

	MADRIX® RDM Nodes		Third-Party RDM Nodes & MADRIX® RADAR License			
			MADRIX® RADAR fusion small	MADRIX® RADAR fusion medium	MADRIX® RADAR fusion large	
RDM Devices/Sub-Devices	Automatically unlocks for all connected RDM devices/sub-devices.		2	32	256	2,048
Management	Yes	Yes	Yes	Yes	Yes	
Configuration	Yes	Yes	Yes	Yes	Yes	
Monitoring	Yes	Yes	Yes	Yes	Yes	



MADRIX RADAR is an independent software that allows you to choose compatible RDM nodes. You gain the enormous advantage with MADRIX RDM nodes of running a fully integrated system. MADRIX hardware processes RDM data packages in a way that does not result in interference with DMX data packages during full and live operation, which could lead to visual flickering or other signal interruptions.

MADRIX interfaces manage these data streams highly efficiently and intelligently.





# Big Ideas for Big Results

Wall washer lighting is becoming increasingly popular. It is available in many different styles and finishes to complement your facades. The real beauty of this type of lighting is that its main function is to wash all your walls with the light.

Moleline operates on 48V DC which enables very long starter and jumper cable usage, easing installation to a great extent. The Dynamic Power Boost feature allows light to always be at maximum brightness and intensifies non-white colors. Moleline Series also provides easy setup and programming with standard DMX 512 and RDM, with no need for special and complex communication protocols.

We empower you to light up your facade with the best possible wallwasher lights and the best performance with minimum glare, via our Moleline series.

Wall washing illuminates a vertical surface with uniform brightness and draws attention to the facade. It can be used to accentuate architectural artworks. The light reflected from matte surface walls will provide a soft, diffuse light within. The spacing between the fixtures and the wall determines the brightness of the surface.

The wide selection of Moleline wallwashers, make each building feel spacious and welcoming without adding shadows or uneven lighting. Thanks to its special design, fixtures are mounted side-by-side and no shades are formed in-between. This creates a continuous linear view. Since the connector areas are hidden, cables are not visible when viewed from outside in linear use. Thanks to the screw-spring mechanism, fixtures can be easily installed and dismantled with their enclosures.



# Strength Through Difference, Difference Through Strength

With its history and experience of designing high profile lighting products, Hera Led Leoline products offer a range specifically for architectural lighting applications and permanent installations. Full IP rating and special housings for the permanent installations is our standard so is extensive colour mixing and control.

Our high reliability keeps operational costs very low and provides a user friendly lifetime along with an aesthetic experience. Moleline, like our other fixtures, utilize only the best and most current components within and provides end users with best of quality.

Professional facade lighting is a key component of the external appearance of buildings. Wallwasher applications specially give a modern appearance to buildings, it adds a different atmosphere when applied with the right color preference. With unique lighting effects of Moleline series, a 3D impression will be created, giving buildings their own character and make them popular attractions in the cityscape, both day and night. Intelligent sensors and controllers enable the systems to adapt to daylight brightness levels and create a lasting impression in all weathers.

With the facade lighting applications we realise in our projects, buildings do turn into genuine landmarks.

# Certification

Product complies with EU Safety regulations of EN 60598-1, EN 60598-2-3, EN 62471, EN 60950-1, EN 60950-22, EN 60529, EN 62262.

Product complies with EU EMC standards of EN 55024, EN 55032, EN 61000-4-3, EN 61000-4-4, EN 61000-4-6, EN 61000-4-8.

Product complies with US Safety standards of UL 1598, UL 60950-1, UL 60950-22 and US EMC standard of FCC Part 15 Class A.

We fully trust in our products and give 5-year warranty for all our product lines, subject to conditions given in the warranty agreement.

# Reliability in Numbers

Moleline®S12 fixtures are in IP67 and IK09 protection class and with their robust and durable structure, are designed to meet extremely difficult requirements of outdoor facade applications.

Moleline®S12 fixtures are resistant to impact, vibration and other harsh conditions, with its aluminium integrated body structure and 6mm thick tempered glass. Our conventional fixtures stand the test of time, withstand even the harshest conditions, including dirty power, high-vibration, extreme temperatures and hazardous or volatile outdoor environments.

Facade lighting is an increasingly popular feature of landmark architectural projects, and with our high-quality products, we combine high performance with reliability.



# Made for life

Moleline® fixtures are highly durable and last for many years even in the most demanding conditions. They are IP67 class and with its robust structure, designed to meet most difficult requirements of exterior facade applications. Moleline is resistant to shock, vibration and other challenging conditions with its aluminum integrated body structure and 6mm thick tempered glass.

IP68 push-lock connectors are used for power and data transmission, in/out with no space between them. There is no need to use extra junction boxes. The connector areas are hidden and no cable is visible when viewed from outside in linear use. Thanks to a screw-spring mechanism, the fixture can be easily installed and dismantled with its enclosure.



# Moleline® S12

## Connections

Moleline® with its stainless aluminum body, endures underground conditions perfectly.

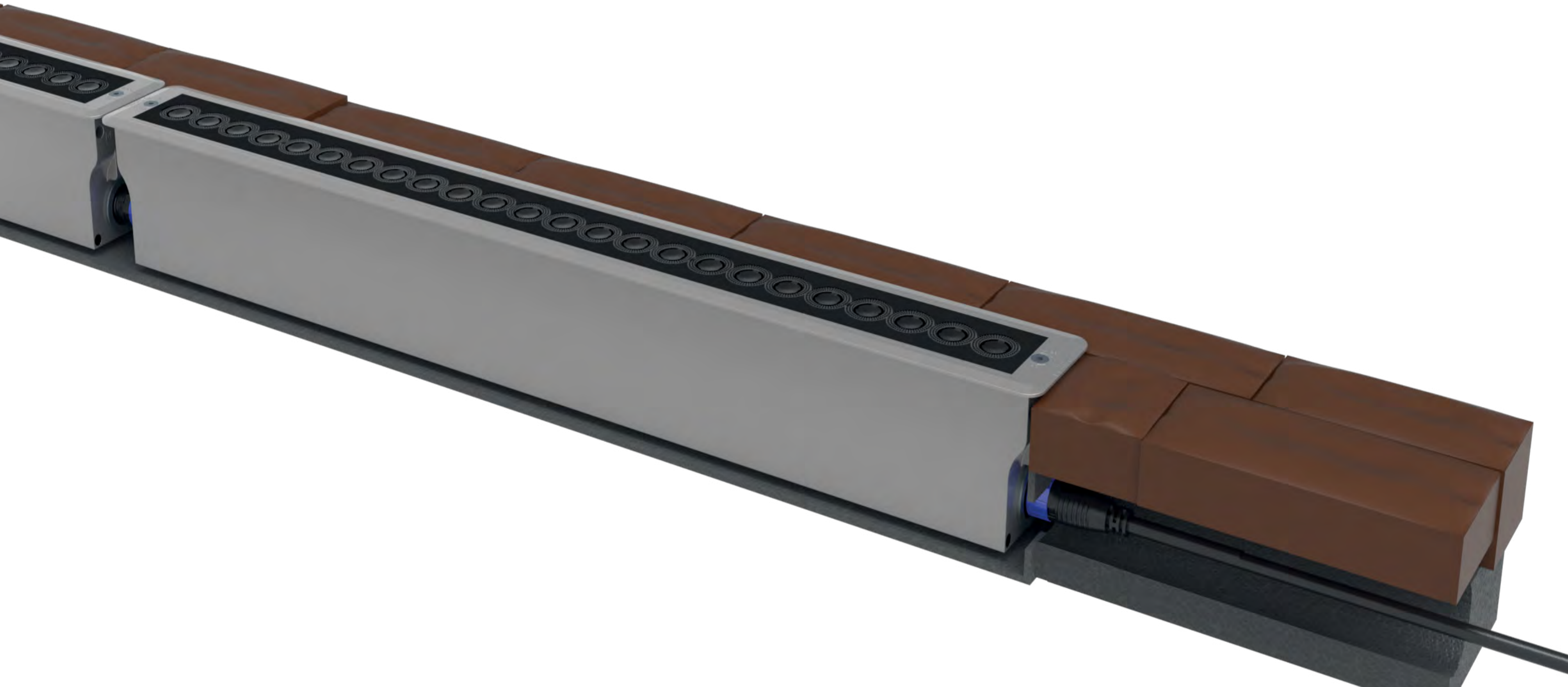
Moleline®S12 series differentiate from similar third party products with its wide range of application areas and easy assembly feature.

It is as easy as changing a light bulb to mantle this device with its advanced and patented assembly design.

2+4 pin pushlock connectors make connection and dismounting of the fixtures very efficient and user-friendly. IP67 class connectors transmit data and energy without wearing out from any external conditions.

Moleline®S12 series can be combined in different combinations of Moleline family members in length, when necessary preparation have been done at site like building suitable niches. This way, perfect linear forms can be generated, with any animation options you want.

Moleline is a recessed product hence to prevent water accumulation on its base, water evacuation channels are designed.





# PLUG AND PLAY

## PLAY TO WIN !

It is very easy to mantle this device with its advanced and patented assembly design.

There is a lift system within the product which makes recessed fixture to come out of its enclosure, very simply, with help of a screw and key. Key is turned in UP direction within the screw given, and fixture is elevated up.

To mantle the product within the enclosure again, after replacement or maintenance, you just turn the key in the DOWN direction, that is all it takes.





# SPEAK IN COLORS

Moleline®S12 series are media facade recessed wallwashers, extremely efficient in terms of use for creative installations,. Each 356 mm of fixture consists of 12 (S12) High Power LEDs with many LED combinations for the right look for each application.

Moleline S12 series come in five light color options (RGB, RGBW, RGBA, Dynamic White, SC), five beam angles (15° / 30° / 45° / 60° / 35°+15°), and five lengths (356 mm, 656 mm, 956 mm, 1256 mm,1556 mm). Each 356 mm section can be individually addressed for more detailed colour animations.

We can also make custom-made designs for specific requirements of projects with our producer identity and provide an excellent color mix.

## **Moleline® S12 SC Single Color)**

Moleline®S12 SC Series consists of 12 High Power LEDs in single colors; Red, Green, Blue, Amber, Warm White, Natural White, Cool White, at every 356mm. It is available in 356 mm, 656 mm, 956mm 1256 mm, 1556 mm length options and 5 different beam angles.

## **Moleline® S12 RGB**

Moleline® S12RGB Series consists of 4 Red, 4 Green, 4 Blue LEDs at every 356 mm. It is available in 356 mm, 656 mm, 956 mm 1256 mm, 1556 mm length options and provides an excellent color mix with 5 different beam angles.

## **Moleline® S12 RGBW**

Moleline® S12RGBW Series consists of 3 Red, 3 Green, 3 Blue, 3 6500K LEDs at every 356 mm. It is available in 356 mm, 656 mm, 956 mm, 1256 mm, 1556 mm length options and provides an excellent color mix with 5 different beam angles.

## **Moleline® S12 RGBA**

Moleline® S12RGBA Series consists of 3 Red, 3 Green, 3 Blue, 3 Amber LEDs at every 356 mm. It is available in 356 mm, 656 mm, 956 mm, 1256 mm, 1556 mm length options and provides an excellent color mix with 5 different beam angles.

## **Moleline® S12 DW (Dynamic White)**

Moleline® S12DW Series consists of 6 2700K, 6 6500K LEDs at every 356 mm. It is available in 356 mm, 656 mm, 956 mm 1256 mm, 1556 mm length options. Dynamic White color tones can be achieved using LEDs with color temperatures between 2700K and 6500K. Thanks to its 5 different beam angle options, Leoline® S12 DW series enables solutions for all architectural structures.



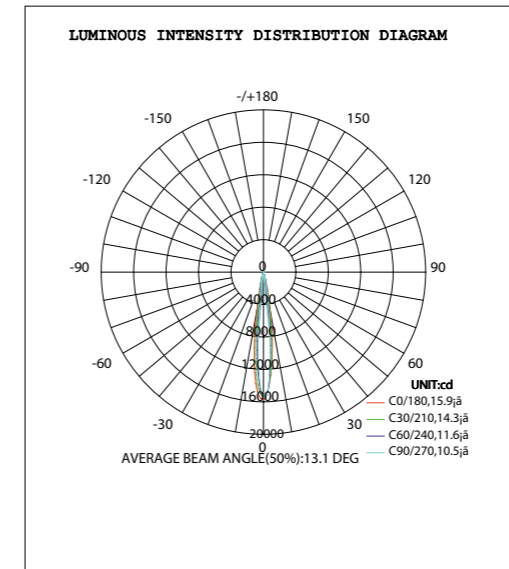
# The Language of Light

## Photometrics

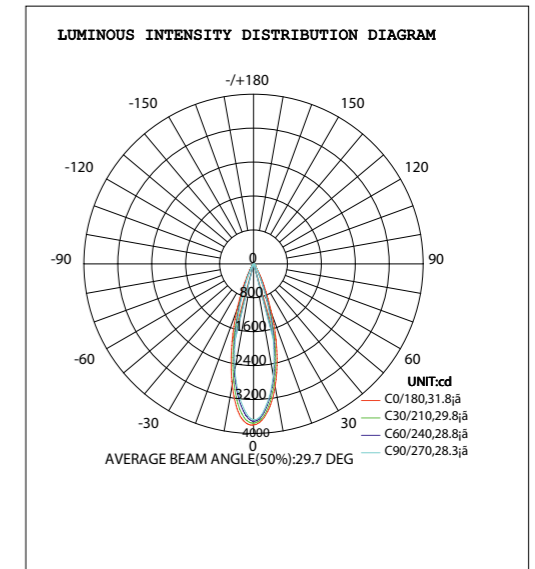
Moleline® S12 fixture photometric measurements were all done in 3rd party, accredited test laboratories.

### Moleline® S12 RGB SERIES

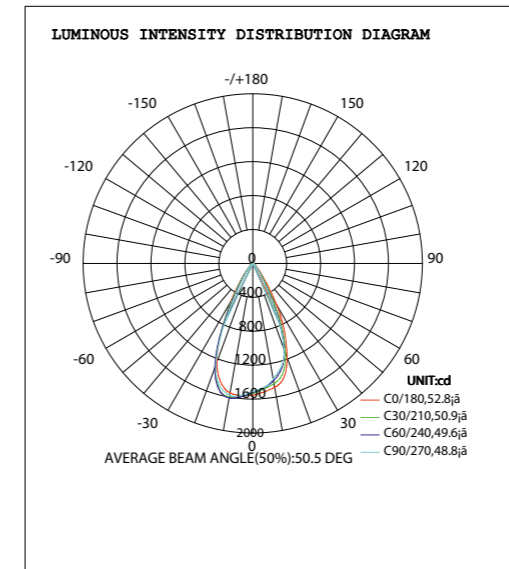
Narrow Beam 15°



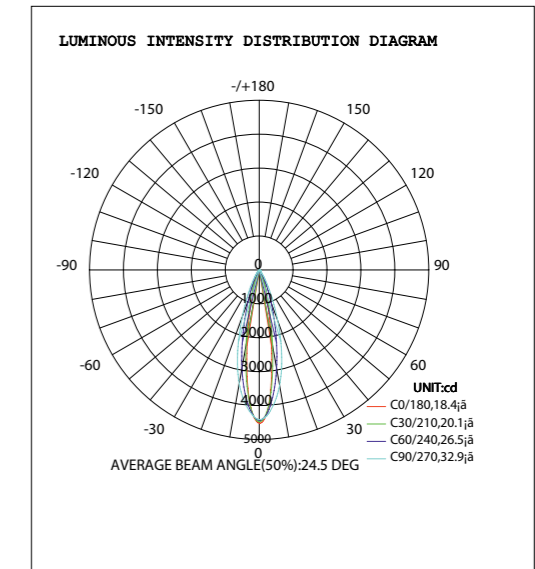
Medium Beam 30°



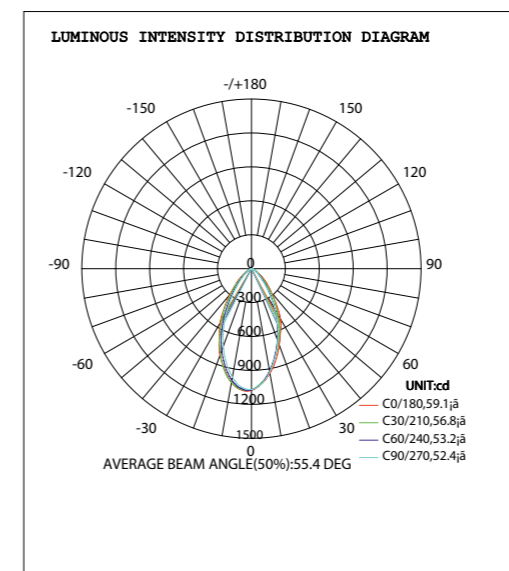
Wide Beam 45°



Asymmetric Beam 15°+35°

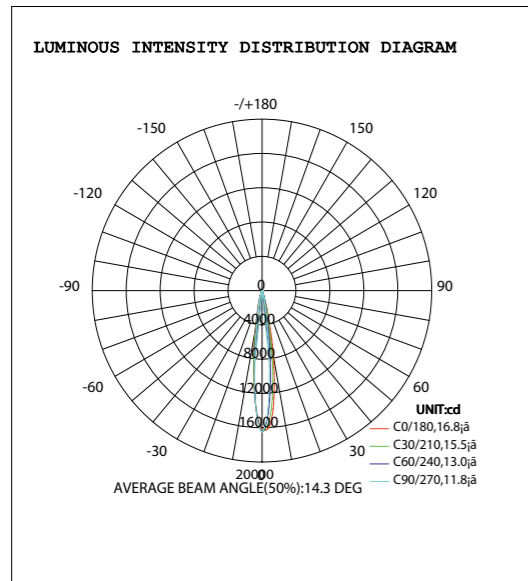


Very Wide Beam 60°

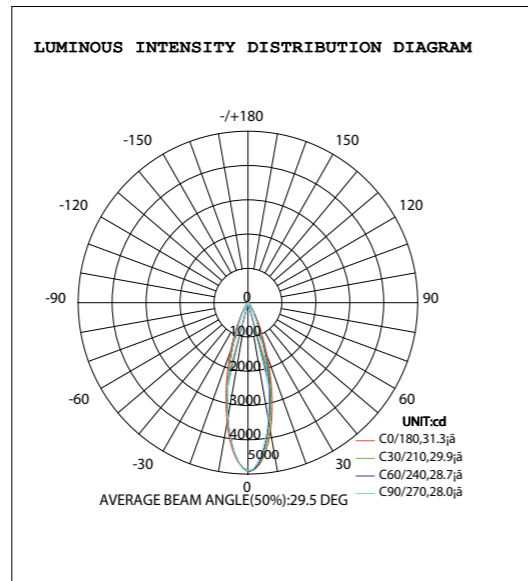


# Moleline®S12 RGBW SERIES

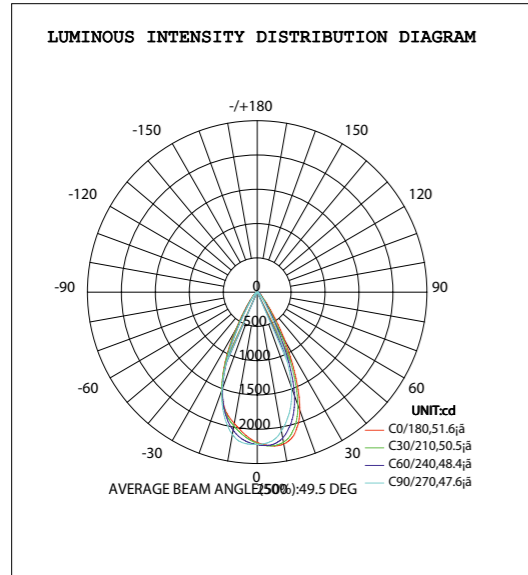
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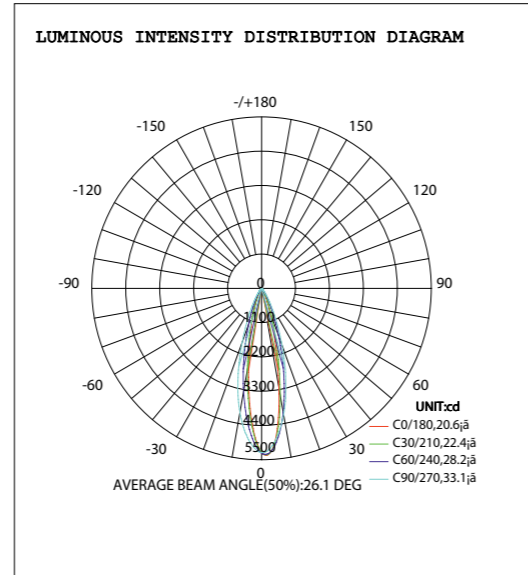
Medium Beam 30°



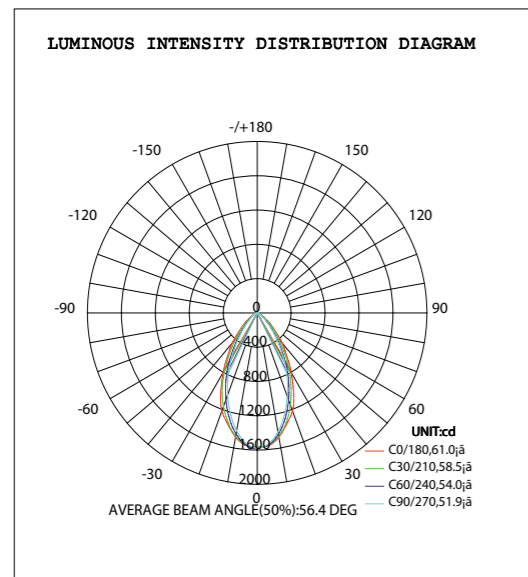
Wide Beam 45°



Asymmetric Beam 15°+35°

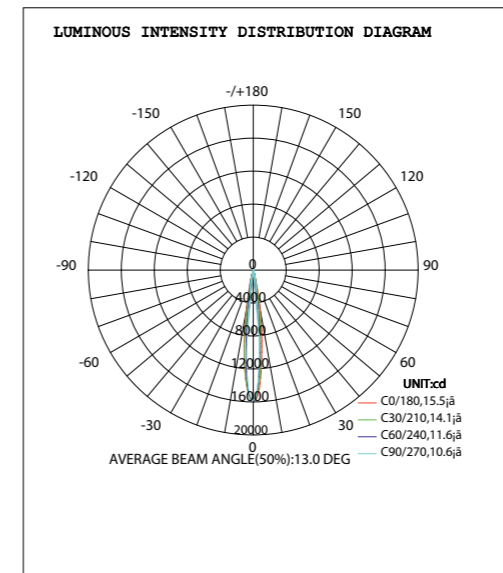


Very Wide Beam 60°

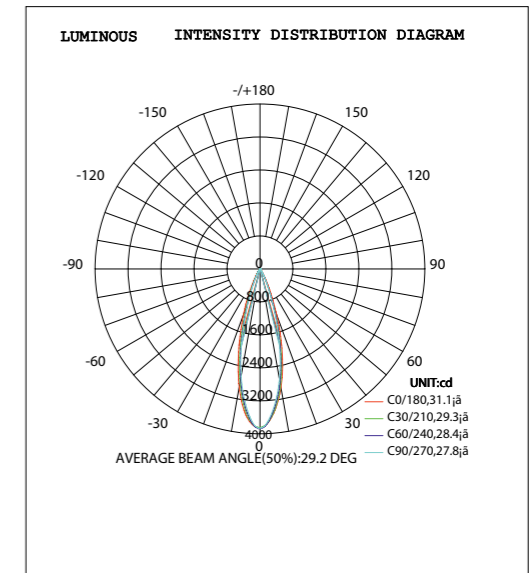


# Moleline®S12 RGBA SERIES

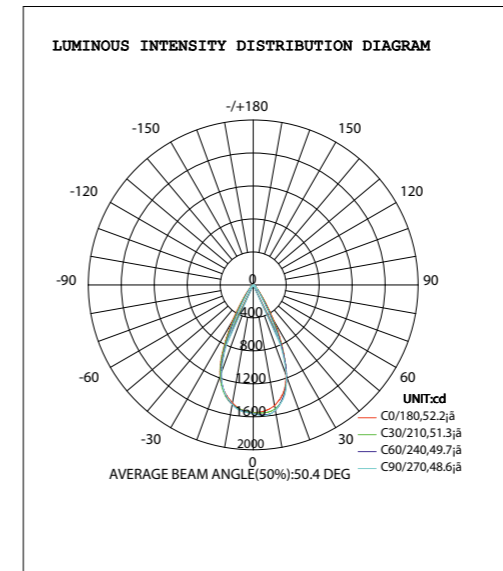
Narrow Beam 15°



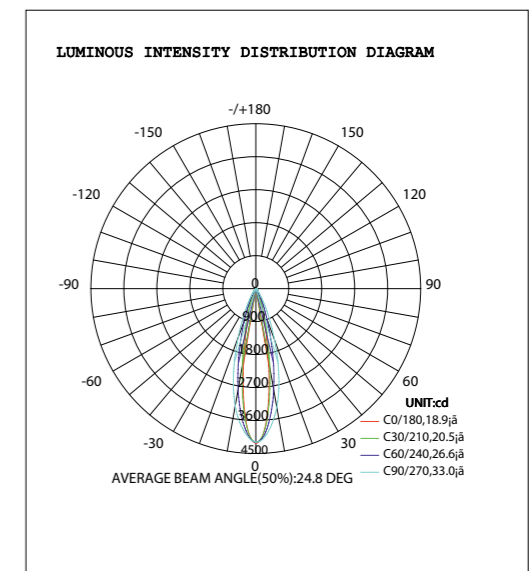
Medium Beam 30°



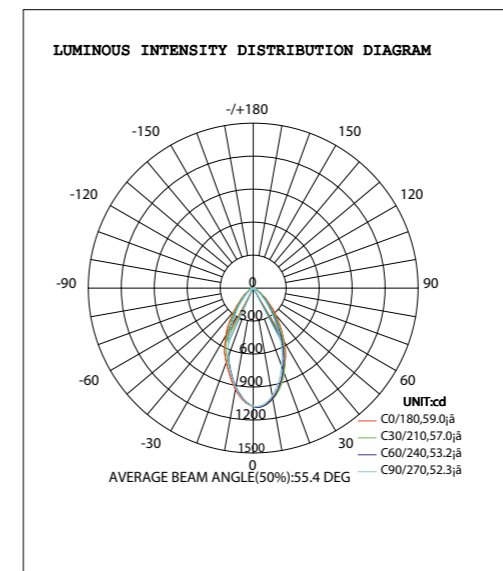
Wide Beam 45°



Asymmetric Beam 15°+35°



Very Wide Beam 60°

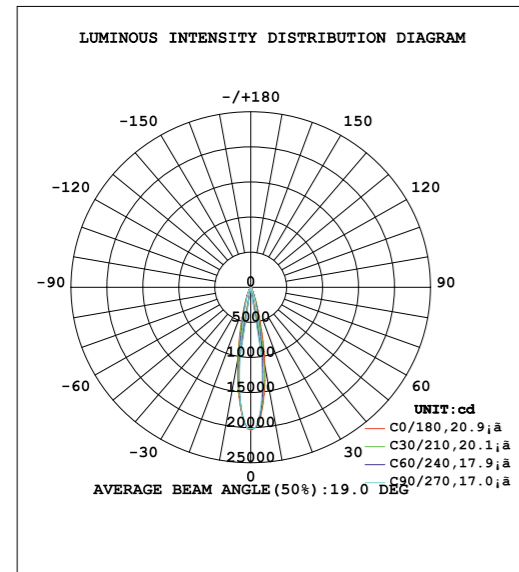




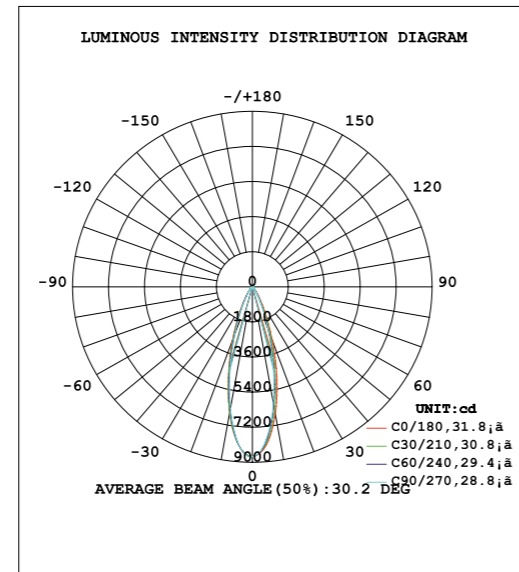
# Moleline®S12 SC SERIES Warm White

# Moleline®S12 SC SERIES Natural White

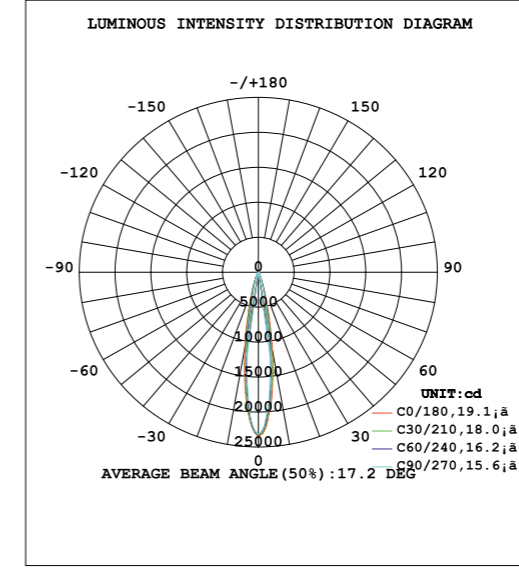
Narrow Beam 15°



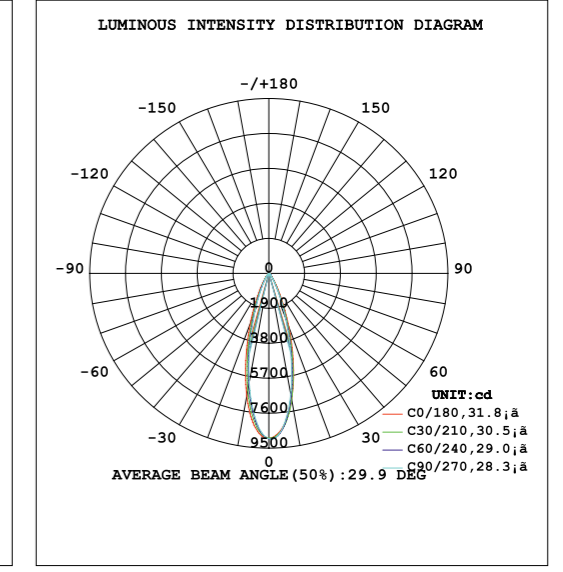
Medium Beam 30°



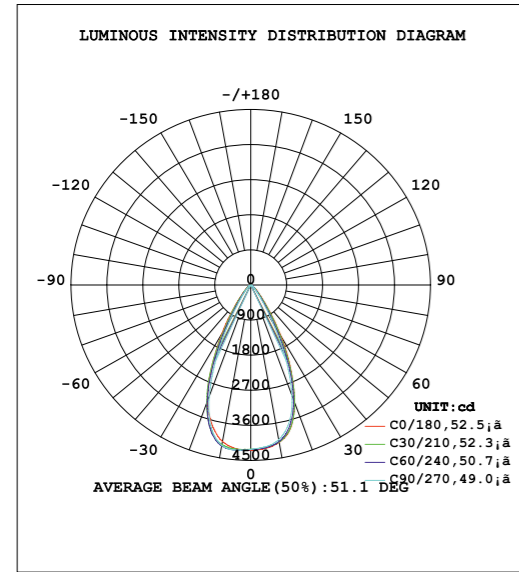
Narrow Beam 15°



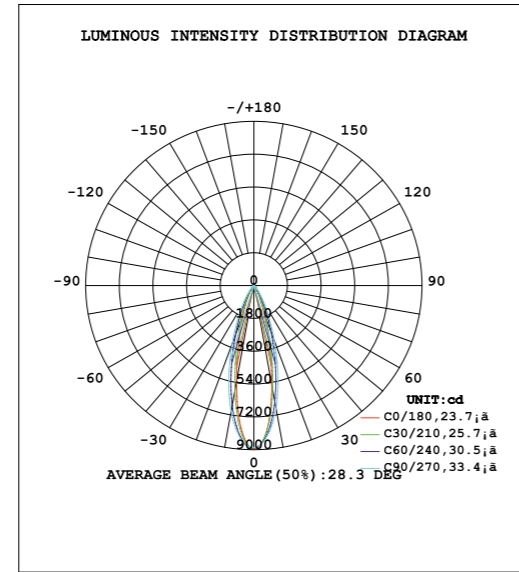
Medium Beam 30°



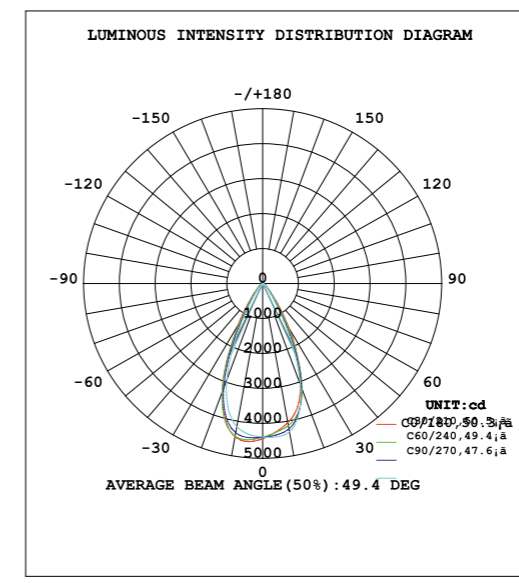
Wide Beam 45°



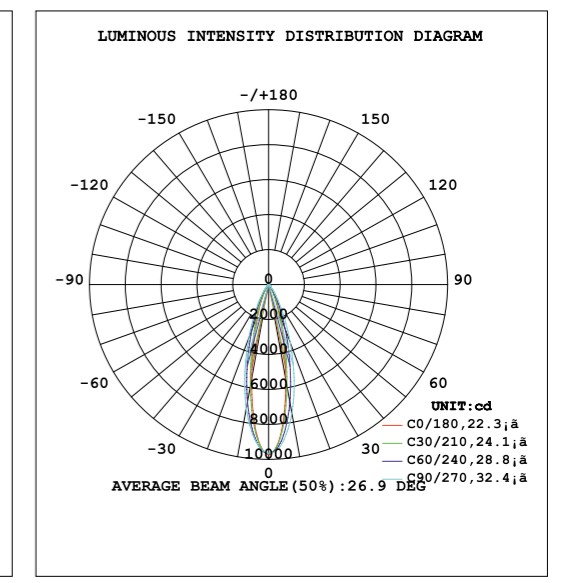
Very Wide Beam 60°



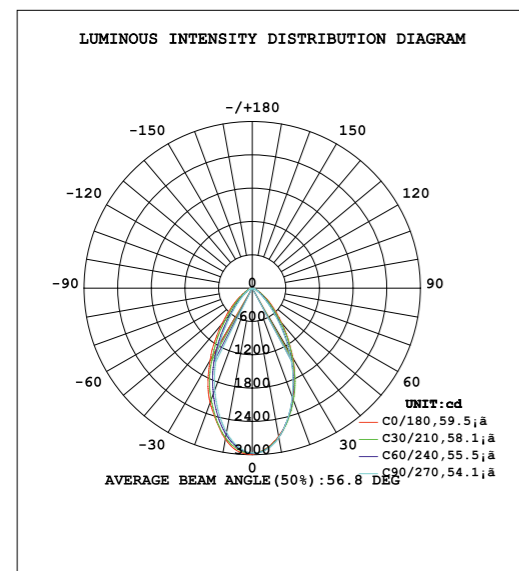
Wide Beam 45°



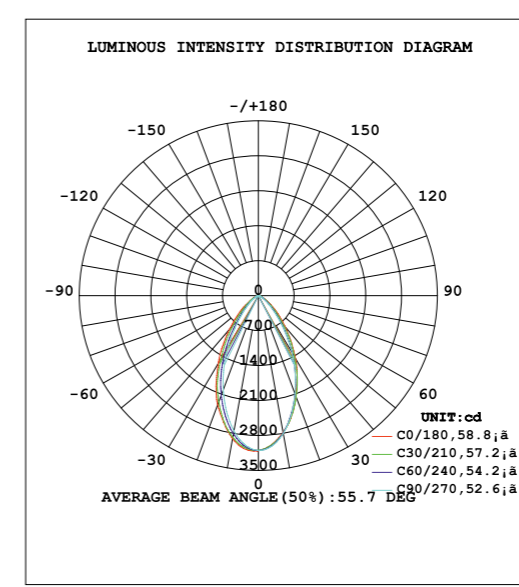
Very Wide Beam 60°



Asymmetric Beam 15°+35°

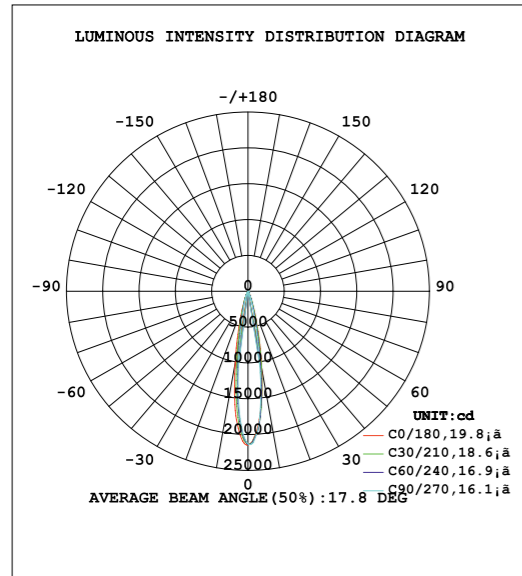


Asymmetric Beam 15°+35°

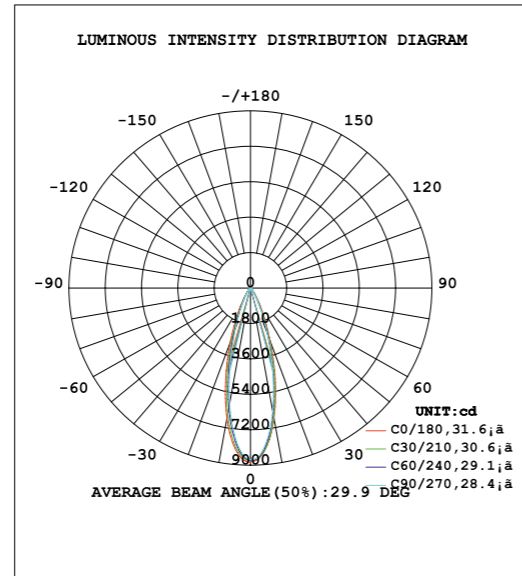


# Moleline®S12 SC SERIES Cool White

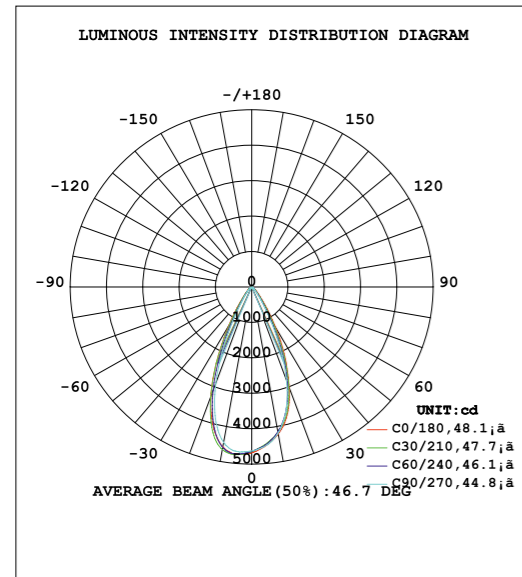
Narrow Beam 15°



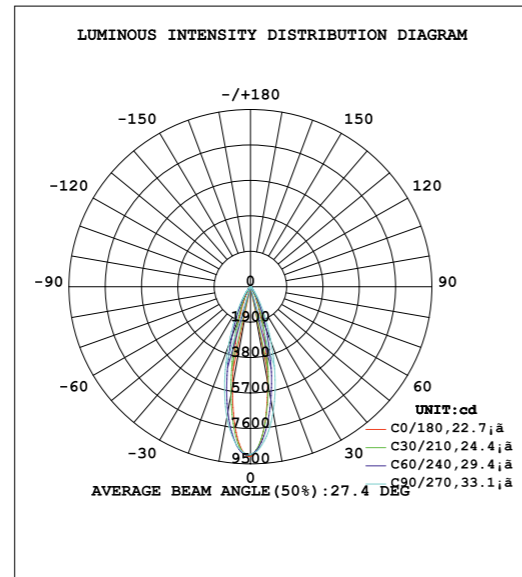
Medium Beam 30°



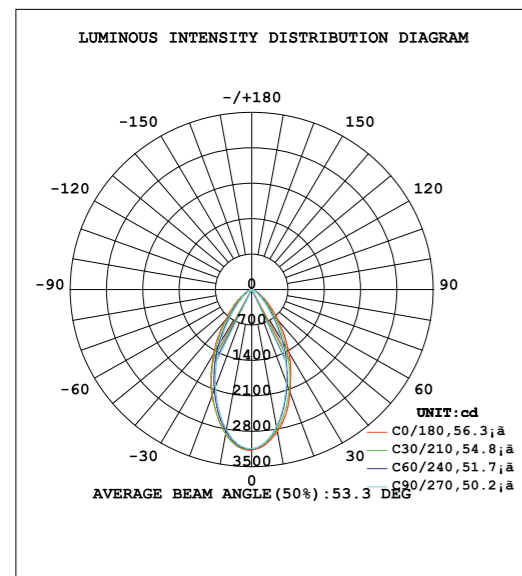
Wide Beam 45°



Very Wide Beam 60°

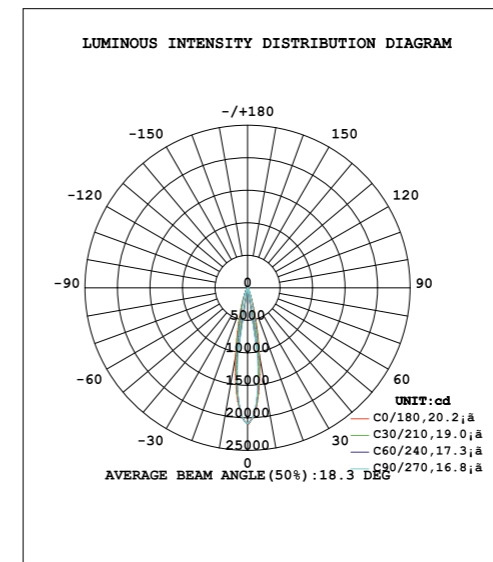


Asymmetric Beam 15°+35°

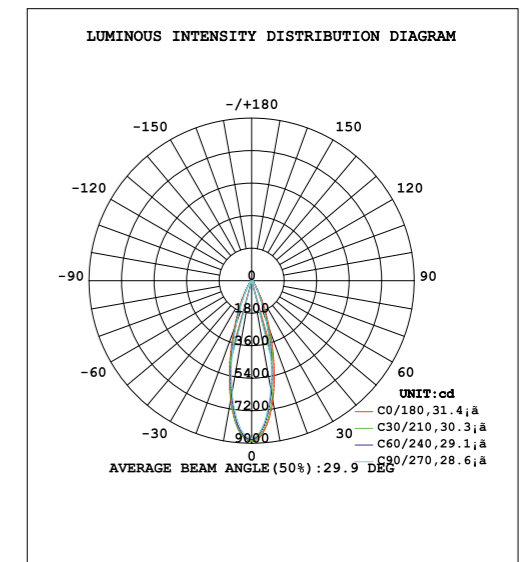


# Leoline®S12 DW SERIES

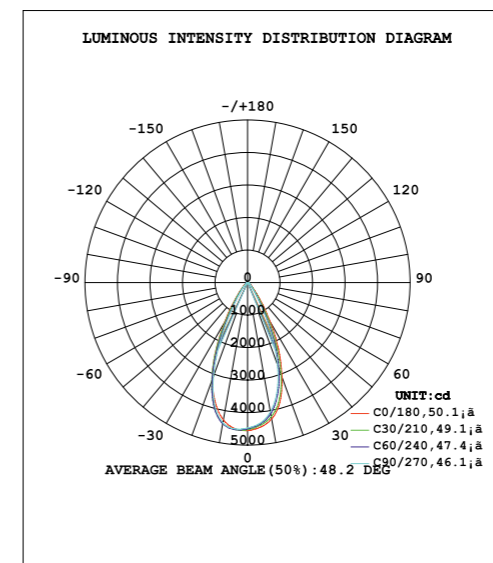
Narrow Beam 15°



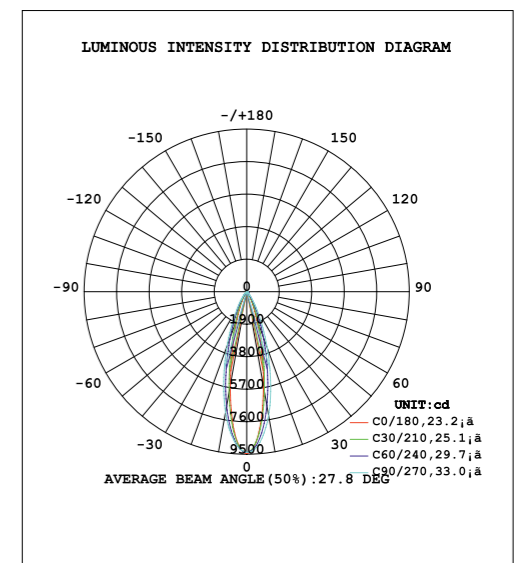
Medium Beam 30°



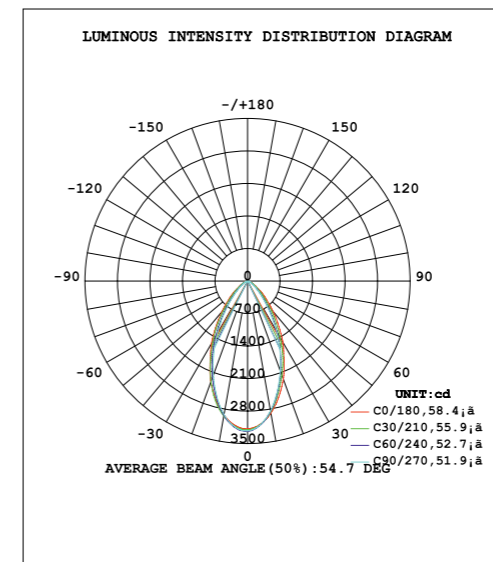
Wide Beam 45°



Very Wide Beam 60°



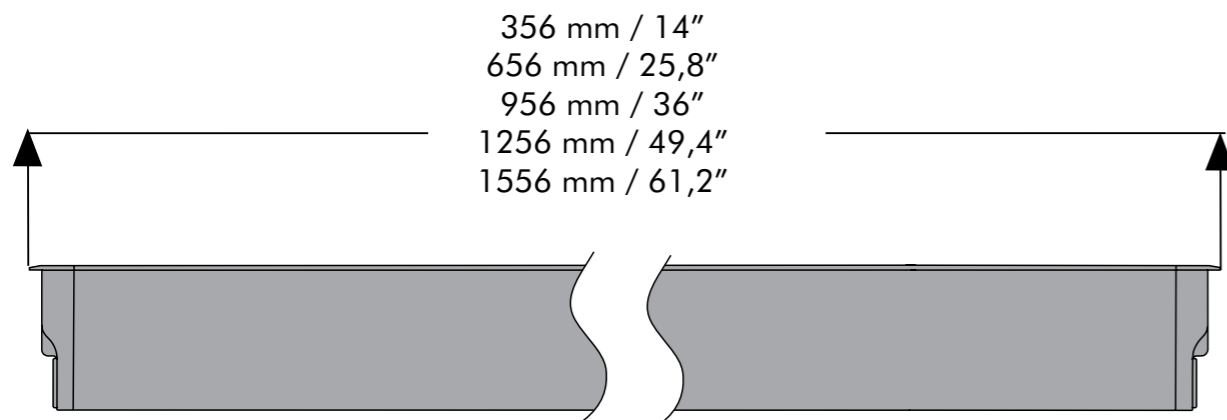
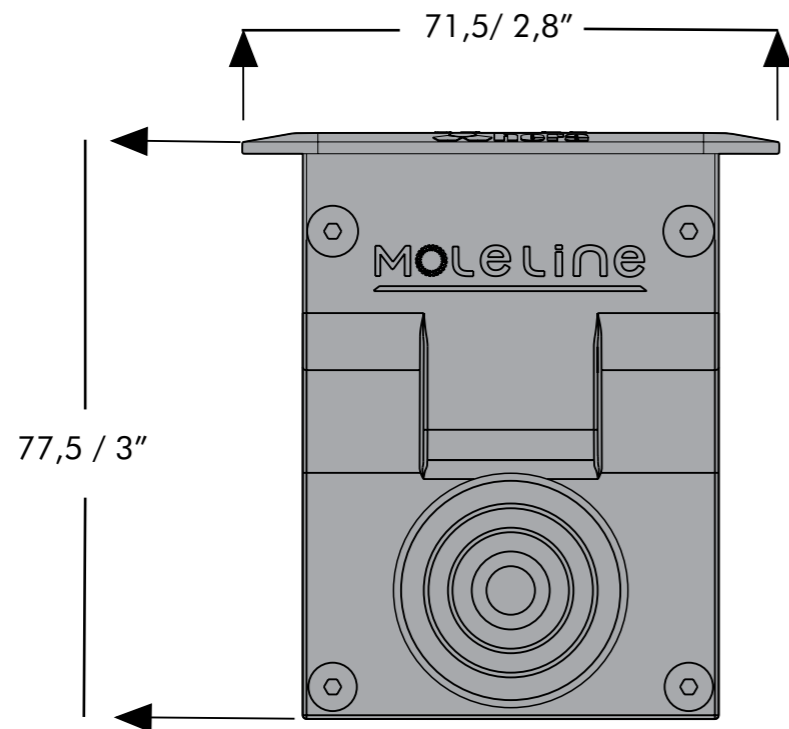
Asymmetric Beam 15°+35°





# Moleline® S12

## Family Size



# Moleline® S12 RGB Series

## Specification

Specifications	356mm	656mm	956mm	1256mm	1556mm
<b>Output</b>					
Light Source:	12 High Power LEDs per foot (4x Red, 4x Green, 4x Blue)				
LED Pitch:	25mm				
Lumen Maintenance:	60.000 > hours L70 @ 50° C (full output)				
Color Range:	16.7 Million additive RGB colors				
Beam Angle:	15° / 30° / 45° / 60° / 35°+15°				
Luminous Flux:	*The lens options above are produced as standard. Please contact us for special beam angles. <b>369 lm</b>				
Luminous Intensity:	5226 cd	10453 cd	15679 cd	20905 cd	1846 lm
Efficacy (lm/W):	24,1 lm/W				
*The values above are measured data in RGB "Full ON" mode and using a 15° 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.					
<b>Control &amp; Programming</b>					
Pixel Pitch:	Pixel pitch is configurable via RDM, max 1pixel/foot				
Color Resolution:	3 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				
<b>Electrical</b>					
Operating Voltage:	48VDC				
Power Consumption:	15 W	31,5 W	46 W	62 W	78 W
Maximum in Chain:	51,1 W/m Maximum at full output, steady state				
Connections:	Max 9 meters Push Lock Type 2+4 Pin Waterproof Connector				
<b>Physical</b>					
Housing:	Extruded Aluminium				
Front Material:	Clear Tempered Glass				
End Cap Material:	Integrated Body				
Installation Brackets:	Die-Cast Zinc 10° Multi-positional, locking hinges				
Hardware:	Stainless Steel				
Gasket:	Silicone				
Surface Finish:	Clear Anodized (standard) or Custom Any Anodized (optional)				
<b>Measurements:</b>					
Weight:	1,7Kg (3,7lb)	3,4Kg (7,4lb)	5,1Kg (11,2lb)	6,7Kg (14,7lb)	8,5Kg (19lb)
Dimensions: (H x W x D)	77,5x71,5x356mm 3x2,8x14in	77,5x71,5x656mm 3x2,8x25,8in	77,5x71,5x956mm 3x2,8x37,6in	77,5x71,5x1256mm 3x2,8x49,4in	77,5x71,5x1556mm 3x2,8x61,2in
<b>Environmental</b>					
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 overtemperature protection				
Cooling:	Cooling by free air convection				
Vibration Resistance:	Complies with ASTM B117 standard only painted models				
Corrosion Resistance:	Complies with ASTM B117 standard				
Ingress Protection Rating:	IP67				
Impact Resistance Rating:	IK09				
Humidity (max.):	0 to 98%, non-condensing				
<b>Certification</b>					
EU Safety:	EN 60598-1, EN 60598-2-5, EN 60598-2-13, 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				

# Moleline® S12 RGBW Series Specification

Specifications	356mm	656mm	956mm	1256mm	1556mm
<b>Output</b>					
Light Source:	12 High Power LEDs per foot (3x Red, 3x Green, 3x Blue, 3x White)				
LED Pitch:	25mm				
Lumen Maintenance:	60.000 > hours L70 @ 50° C (full output)				
Color Range:	16.7 Million additive RGB colors, white CCT 6500K				
Ra(CRI):	Cool White 72CRI				
Beam Angle:	15° / 30° / 45° / 60° / 35°+15°				
Luminous Flux:	514lm	1027lm	1541lm	2054lm	2568lm
Luminous Intensity:	5515 cd	11030 cd	16545 cd	22060 cd	27575 cd
Efficacy (lm/W):	32,6 lm/W				
*The values above are measured data in RGBW "Full ON" mode and using a 15° 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.					
<b>Control &amp; Programming</b>					
Pixel Pitch:	Pixel pitch is configurable via RDM, max 1pixel/foot				
Color Resolution:	4 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				
<b>Electrical</b>					
Operating Voltage:	48VDC				
Power Consumption:	17,5 W	33,5 W	49,5 W	66,5 W	82 W
Maximum in Chain:	55 W/m Maximum at full output, steady state				
Connections:	Max 9 meters Push Lock Type 2+4 Pin Waterproof Connector				
<b>Physical</b>					
Housing:	Push Lock Type 2+4 Pin Waterproof Connector				
Front Material:	Clear Tempered Glass				
End Cap Material:	Integrated Body				
Installation Brackets:	Die-Cast Zinc 10° Multi-positional, locking hinges				
Hardware:	Stainless Steel				
Gasket:	Silicone				
Surface Finish:	Clear Anodized (standard) or Custom Any Anodized (optional)				
<b>Measurements:</b>					
Weight:	1,7Kg (3,7lb)	3,4Kg (7,4lb)	5,1Kg (11,2lb)	6,7Kg (14,7lb)	8,5Kg (19lb)
Dimensions: (H x W x D)	77,5x71,5x356mm 3x2,8x14in	77,5x71,5x656mm 3x2,8x25,8in	77,5x71,5x956mm 3x2,8x37,6in	77,5x71,5x1256mm 3x2,8x49,4in	77,5x71,5x1556mm 3x2,8x61,2in
<b>Environmental</b>					
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 ASTM B117 standard only painted models				
Corrosion Resistance:	Complies with ASTM B117 standard				
Ingress Protection Rating:	IP67				
Impact Resistance Rating:	IK09				
Humidity (max.):	0 to 98%, non-condensing				
<b>Certification</b>					
EU Safety:	EN 60598-1, EN 60598-2-5, EN 60598-2-13, 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				

# Moleline® S12 RGBA Series Specification

Specifications	356mm	656mm	956mm	1256mm	1556mm
<b>Output</b>					
Light Source:	12 High Power LEDs per foot (3x Red, 3x Green, 3x Blue, 3x Amber)				
LED Pitch:	25mm				
Lumen Maintenance:	60.000 > hours L70 @ 50° C (full output)				
Color Range:	4,29 Billion additive RGBA colors				
Beam Angle:	15° / 30° / 45° / 60° / 35°+15°				
Luminous Flux:	370 lm	741 lm	1111lm	1482 lm	1852 lm
Luminous Intensity:	5285 cd	10571 cd	15856 cd	21141 cd	26427 cd
Efficacy (lm/W):	24,2 lm/W				
*The lens options above are produced as standard. Please contact us for special beam angles.					
*The values above are measured data in RGBA "Full ON" mode and using a 15° 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.					
<b>Control &amp; Programming</b>					
Pixel Pitch:	Pixel pitch is configurable via RDM, max 1pixel/foot				
Color Resolution:	4 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				
<b>Electrical</b>					
Operating Voltage:	48VDC				
Power Consumption:	16,5 W	32 W	47,2 W	64 W	80 W
Maximum in Chain:	52,8 W/m Maximum at full output, steady state				
Connections:	Max 9 meters Push Lock Type 2+4 Pin Waterproof Connector				
<b>Physical</b>					
Housing:	Extruded Aluminium				
Front Material:	Clear Tempered Glass				
End Cap Material:	Integrated Body				
Installation Brackets:	Die-Cast Zinc 10° Multi-positional, locking hinges				
Hardware:	Stainless Steel				
Gasket:	Silicone				
Surface Finish:	Clear Anodized (standard) or Custom Any Anodized (optional)				
<b>Measurements:</b>					
Weight:	1,7Kg (3,7lb)	3,4Kg (7,4lb)	5,1Kg (11,2lb)	6,7Kg (14,7lb)	8,5Kg (19lb)
Dimensions: (H x W x D)	77,5x71,5x356mm 3x2,8x14in	77,5x71,5x656mm 3x2,8x25,8in	77,5x71,5x956mm 3x2,8x37,6in	77,5x71,5x1256mm 3x2,8x49,4in	77,5x71,5x1556mm 3x2,8x61,2in
<b>Environmental</b>					
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 ASTM B117 standard only painted models				
Corrosion Resistance:	Complies with ASTM B117 standard				
Ingress Protection Rating:	IP67				
Impact Resistance Rating:	IK09				
Humidity (max.):	0 to 98%, non-condensing				
<b>Certification</b>					
EU Safety:	EN 60598-1, EN 60598-2-5, EN 60598-2-13, 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				



# Moleline® S12 DW Series

## Specification

Specifications	356mm	656mm	956mm	1256mm	1556mm
<b>Output</b>					
Light Source:	12 High Power LEDs per foot (6x 2700K, 6x 6500K)				
LED Pitch:	25mm				
Lumen Maintenance:	60.000 > hours L70 @ 50° C (full output)				
Color Range:	Color temperatures ranging from 2700 K to 6500 K				
Ra(CRI):	DW Full on 74CRI				
Beam Angle:	15° / 30° / 45° / 60° / 35°+15°				
	*The lens options above are produced as standard. Please contact us for special beam angles.				
Luminous Flux:	1030 lm	2060 lm	3091lm	4121 lm	5151 lm
Luminous Intensity:	6980 cd	13959 cd	20939 cd	27919 cd	34898 cd
Efficacy (lm/W):	70,9 lm/W				
	*The values above are measured data in DW "Full ON" mode and using a 15° 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.				
<b>Control &amp; Programming</b>					
Pixel Pitch:	Pixel pitch is configurable via RDM, max 1pixel/foot				
Color Resolution:	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				
<b>Electrical</b>					
Operating Voltage:	48VDC				
Power Consumption:	15 W	30 W	45 W	60 W	75 W
	50 W/m Maximum at full output, steady state				
Maximum in Chain:	Max 9 meters				
Connections:	Push Lock Type 2+4 Pin Waterproof Connector				
<b>Physical</b>					
Housing:	Extruded Aluminium				
Front Material:	Clear Tempered Glass				
End Cap Material:	Integrated Body				
Installation Brackets:	Die-Cast Zinc 10° Multi-positional, locking hinges				
Hardware:	Stainless Steel				
Gasket:	Silicone				
Surface Finish:	Clear Anodized (standard) or Custom Any Anodized (optional)				
<b>Measurements:</b>					
Weight:	1,7Kg (3,7lb)	3,4Kg (7,4lb)	5,1Kg (11,2lb)	6,7Kg (14,7lb)	8,5Kg (19lb)
Dimensions:	77,5x71,5x356mm	77,5x71,5x656mm	77,5x71,5x956mm	77,5x71,5x1256mm	77,5x71,5x1556mm
(H x W x D)	3x2,8x14in	3x2,8x25,8in	3x2,8x37,6in	3x2,8x49,4in	3x2,8x61,2in
<b>Environmental</b>					
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 ASTM B117 standard only painted models				
Corrosion Resistance:	Complies with ASTM B117 standard				
Ingress Protection Rating:	IP67				
Impact Resistance Rating:	IK09				
Humidity (max.):	0 to 98%, non-condensing				
<b>Certification</b>					
EU Safety:	EN 60598-1, EN 60598-2-5, EN 60598-2-13, 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				

# Moleline® S12 SC Series

## Specification

Specifications	356mm	656mm	915mm	1256mm	1556mm
<b>Output</b>					
Light Source:	12 High Power LEDs per foot				
LED Pitch:	25mm				
Lumen Maintenance:	60.000 > hours L70 @ 50° C (full output)				
Color Range:	Red, Green, Blue, Amber, Warm White, Natural White, Cool White				
Ra(CRI):	White product 2200K-5700K > 80CRI / 6500K > 70CRI				
Beam Angle:	15° / 30° / 45° / 60° / 35°+15°				
	*The lens options above are produced as standard. Please contact us for special beam angles.				
Luminous Flux:	1037 lm	2074 lm	3111lm	4147 lm	5184 lm
Luminous Intensity:	6797 cd	13594 cd	20391 cd	27188 cd	33985cd
Efficacy (lm/W):	68,4 lm/W				
	*The values above are measured data in 3000K Warm White and using a 15° 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				
<b>Control &amp; Programming</b>					
Pixel Pitch:	Pixel pitch is configurable via RDM, max 1pixel/foot				
Color Resolution:	1 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				
<b>Electrical</b>					
Operating Voltage:	48VDC				
Power Consumption:	Red 38,3W/m, Green 51,7W/m, Blue 50,6W/m, Amber 38,9W/m, Warm White 47,8W/m, Natural White 47,2W/m, Cool White 49,4W/m				
	Maximum at full output, steady state				
Maximum in Chain:	Max 9-12 meters				
Connections:	Push Lock Type 2+4 Pin Waterproof Connector				
<b>Physical</b>					
Housing:	Extruded Aluminium				
Front Material:	Clear Tempered Glass				
End Cap Material:	Integrated Body				
Installation Brackets:	Die-Cast Zinc 10° Multi-positional, locking hinges				
Hardware:	Stainless Steel				
Gasket:	Silicone				
Surface Finish:	Clear Anodized (standard) or Custom Any Anodized (optional)				
<b>Measurements:</b>					
Weight:	1,7Kg (3,7lb)	3,4Kg (7,4lb)	5,1Kg (11,2lb)	6,7Kg (14,7lb)	8,5Kg (19lb)
Dimensions:	77,5x71,5x356mm	77,5x71,5x656mm	77,5x71,5x956mm	77,5x71,5x1256mm	77,5x71,5x1556mm
(H x W x D)	3x2,8x14in	3x2,8x25,8in	3x2,8x37,6in	3x2,8x49,4in	3x2,8x61,2in
<b>Environmental</b>					
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 ASTM B117 standard only painted models				
Corrosion Resistance:	Complies with ASTM B117 standard				
Ingress Protection Rating:	IP67				
Impact Resistance Rating:	IK09				
Humidity (max.):	0 to 98%, non-condensing				
<b>Certification</b>					
EU Safety:	EN 60598-1, EN 60598-2-5, EN 60598-2-13, 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				



# Moleline® S12 RGB Series Fixtures

P02030081 Moleline® S12 356mm DMX RGB Inground Narrow Beam 15°  
P02030082 Moleline® S12 356mm DMX RGB Inground Medium Beam 30°  
P02030083 Moleline® S12 356mm DMX RGB Inground Wide Beam 45°  
P02030084 Moleline® S12 356mm DMX RGB Inground Very Wide Beam 60°  
P02030086 Moleline® S12 356mm DMX RGB Inground Asymmetric Beam 35°+15°

P02031081 Moleline® S12 656mm DMX RGB Inground Narrow Beam 15°  
P02031082 Moleline® S12 656mm DMX RGB Inground Medium Beam 30°  
P02031083 Moleline® S12 656mm DMX RGB Inground Wide Beam 45°  
P02031084 Moleline® S12 656mm DMX RGB Inground Very Wide Beam 60°  
P02031086 Moleline® S12 656mm DMX RGB Inground Asymmetric Beam 35°+15°

P02032081 Moleline® S12 956mm DMX RGB Inground Narrow Beam 15°  
P02032082 Moleline® S12 956mm DMX RGB Inground Medium Beam 30°  
P02032083 Moleline® S12 956mm DMX RGB Inground Wide Beam 45°  
P02032084 Moleline® S12 956mm DMX RGB Inground Very Wide Beam 60°  
P02032086 Moleline® S12 956mm DMX RGB Inground Asymmetric Beam 15+35°

P02033081 Moleline® S12 1256mm DMX RGB Inground Narrow Beam 15°  
P02033082 Moleline® S12 1256mm DMX RGB Inground Medium Beam 30°  
P02033083 Moleline® S12 1256mm DMX RGB Inground Wide Beam 45°  
P02033084 Moleline® S12 1256mm DMX RGB Inground Very Wide Beam 60°  
P02033086 Moleline® S12 1256mm DMX RGB Inground Asymmetric Beam 35°+15°

P02034081 Moleline® S12 1556mm DMX RGB Inground Narrow Beam 15°  
P02034082 Moleline® S12 1556mm DMX RGB Inground Medium Beam 30°  
P02034083 Moleline® S12 1556mm DMX RGB Inground Wide Beam 45°  
P02034084 Moleline® S12 1556mm DMX RGB Inground Very Wide Beam 60°  
P02034086 Moleline® S12 1556mm DMX RGB Inground Asymmetric Beam 35°+15°



# Moleline® S12 RGBW Series Fixtures

P02030101 Moleline® S12 356mm DMX RGBW Inground Narrow Beam 15°  
P02030102 Moleline® S12 356mm DMX RGBW Inground Medium Beam 30°  
P02030103 Moleline® S12 356mm DMX RGBW Inground Wide Beam 45°  
P02030104 Moleline® S12 356mm DMX RGBW Inground Very Wide Beam 60°  
P02030106 Moleline® S12 356mm DMX RGBW Inground Asymmetric Beam 35°+15°

P02031101 Moleline® S12 656mm DMX RGBW Inground Narrow Beam 15°  
P02031102 Moleline® S12 656mm DMX RGBW Inground Medium Beam 30°  
P02031103 Moleline® S12 656mm DMX RGBW Inground Wide Beam 45°  
P02031104 Moleline® S12 656mm DMX RGBW Inground Very Wide Beam 60°  
P02031106 Moleline® S12 656mm DMX RGBW Inground Asymmetric Beam 35°+15°

P02032101 Moleline® S12 956mm DMX RGBW Inground Narrow Beam 15°  
P02032102 Moleline® S12 956mm DMX RGBW Inground Medium Beam 30°  
P02032103 Moleline® S12 956mm DMX RGBW Inground Wide Beam 45°  
P02032104 Moleline® S12 956mm DMX RGBW Inground Very Wide Beam 60°  
P02032106 Moleline® S12 956mm DMX RGBW Inground Asymmetric Beam 35°+15°

P02033101 Moleline® S12 1256mm DMX RGBW Inground Narrow Beam 15°  
P02033102 Moleline® S12 1256mm DMX RGBW Inground Medium Beam 30°  
P02033103 Moleline® S12 1256mm DMX RGBW Inground Wide Beam 45°  
P02033104 Moleline® S12 1256mm DMX RGBW Inground Very Wide Beam 60°  
P02033106 Moleline® S12 1256mm DMX RGBW Inground Asymmetric Beam 35°+15°

P02034101 Moleline® S12 1556mm DMX RGBW Inground Narrow Beam 15°  
P02034102 Moleline® S12 1556mm DMX RGBW Inground Medium Beam 30°  
P02034103 Moleline® S12 1556mm DMX RGBW Inground Wide Beam 45°  
P02034104 Moleline® S12 1556mm DMX RGBW Inground Very Wide Beam 60°  
P02034106 Moleline® S12 1556mm DMX RGBW Inground Asymmetric Beam 35°+15°





# Moleline® S12 RGBA Series Fixtures

P02030091 Moleline® S12 356mm DMX RGBA Inground Narrow Beam 15°  
P02030092 Moleline® S12 356mm DMX RGBA Inground Medium Beam 30°  
P02030093 Moleline® S12 356mm DMX RGBA Inground Wide Beam 45°  
P02030094 Moleline® S12 356mm DMX RGBA Inground Very Wide Beam 60°  
P02030096 Moleline® S12 356mm DMX RGBA Inground Asymmetric Beam 35°+15°

P02031091 Moleline® S12 656mm DMX RGBA Inground Narrow Beam 15°  
P02031092 Moleline® S12 656mm DMX RGBA Inground Medium Beam 30°  
P02031093 Moleline® S12 656mm DMX RGBA Inground Wide Beam 45°  
P02031094 Moleline® S12 656mm DMX RGBA Inground Very Wide Beam 60°  
P02031096 Moleline® S12 656mm DMX RGBA Inground Asymmetric Beam 35°+15°

P02032091 Moleline® S12 956mm DMX RGBA Inground Narrow Beam 15°  
P02032092 Moleline® S12 956mm DMX RGBA Inground Medium Beam 30°  
P02032093 Moleline® S12 956mm DMX RGBA Inground Wide Beam 45°  
P02032094 Moleline® S12 956mm DMX RGBA Inground Very Wide Beam 60°  
P02032096 Moleline® S12 956mm DMX RGBA Inground Asymmetric Beam 35°+15°

P02033091 Moleline® S12 1256mm DMX RGBA Inground Narrow Beam 15°  
P02033092 Moleline® S12 1256mm DMX RGBA Inground Medium Beam 30°  
P02033093 Moleline® S12 1256mm DMX RGBA Inground Wide Beam 45°  
P02033094 Moleline® S12 1256mm DMX RGBA Inground Very Wide Beam 60°  
P02033096 Moleline® S12 1256mm DMX RGBA Inground Asymmetric Beam 35°+15°

P02034091 Moleline® S12 1556mm DMX RGBA Inground Narrow Beam 15°  
P02034092 Moleline® S12 1556mm DMX RGBA Inground Medium Beam 30°  
P02034093 Moleline® S12 1556mm DMX RGBA Inground Flood Beam 45°  
P02034094 Moleline® S12 1556mm DMX RGBA Inground Very Wide Beam 60°  
P02034096 Moleline® S12 1556mm DMX RGBA Inground Asymmetric Beam 35°+15°



# Moleline® S12 DW Series Fixtures

P02030121 Moleline® S12 356mm DMX DW Inground Narrow Beam 15°  
P02030122 Moleline® S12 356mm DMX DW Inground Medium Beam 30°  
P02030123 Moleline® S12 356mm DMX DW Inground Wide Beam 45°  
P02030124 Moleline® S12 356mm DMX DW Inground Very Wide Beam 60°  
P02030126 Moleline® S12 356mm DMX DW Inground Asymmetric Beam 35°+15°

P02031121 Moleline® S12 656mm DMX DW Inground Narrow Beam 15°  
P02031122 Moleline® S12 656mm DMX DW Inground Medium Beam 30°  
P02031123 Moleline® S12 656mm DMX DW Inground Wide Beam 45°  
P02031124 Moleline® S12 656mm DMX DW Inground Very Wide Beam 60°  
P02031126 Moleline® S12 656mm DMX DW Inground Asymmetric Beam 35°+15°

P02032121 Moleline® S12 956mm DMX DW Inground Narrow Beam 15°  
P02032122 Moleline® S12 956mm DMX DW Inground Medium Beam 30°  
P02032123 Moleline® S12 956mm DMX DW Inground Wide Beam 45°  
P02032124 Moleline® S12 956mm DMX DW Inground Very Wide Beam 60°  
P02032126 Moleline® S12 956mm DMX DW Inground Asymmetric Beam 35°+15°

P02033121 Moleline® S12 1256mm DMX DW Inground Narrow Beam 15°  
P02033122 Moleline® S12 1256mm DMX DW Inground Medium Beam 30°  
P02033123 Moleline® S12 1256mm DMX DW Inground Wide Beam 45°  
P02033124 Moleline® S12 1256mm DMX DW Inground Very Wide Beam 60°  
P02033126 Moleline® S12 1256mm DMX DW Inground Asymmetric Beam 35°+15°

P02034121 Moleline® S12 1556mm DMX DW Inground Narrow Beam 15°  
P02034122 Moleline® S12 1556mm DMX DW Inground Medium Beam 30°  
P02034123 Moleline® S12 1556mm DMX DW Inground Wide Beam 45°  
P02034124 Moleline® S12 1556mm DMX DW Inground Very Wide Beam 60°  
P02034126 Moleline® S12 1556mm DMX DW Inground Asymmetric Beam 35°+15°



# Moleline® S12 SC Series Fixtures

P02030XX1 Moleline® S12 356mm DMX SC Inground Narrow Beam 15°  
 P02030XX2 Moleline® S12 356mm DMX SC Inground Medium Beam 30°  
 P02030XX3 Moleline® S12 356mm DMX SC Inground Wide Beam 45°  
 P02030XX4 Moleline® S12 356mm DMX SC Inground Very Wide Beam 60°  
 P02030XX6 Moleline® S12 356mm DMX SC Inground Asymmetric Beam 35°+15°

P02031XX1 Moleline® S12 656mm DMX SC Inground Narrow Beam 15°  
 P02031XX2 Moleline® S12 656mm DMX SC Inground Medium Beam 30°  
 P02031XX3 Moleline® S12 656mm DMX SC Inground Wide Beam 45°  
 P02031XX4 Moleline® S12 656mm DMX SC Inground Very Wide Beam 60°  
 P02031XX6 Moleline® S12 656mm DMX SC Inground Asymmetric Beam 35°+15°

P02032XX1 Moleline® S12 956mm DMX SC Inground Narrow Beam 15°  
 P02032XX2 Moleline® S12 956mm DMX SC Inground Medium Beam 30°  
 P02032XX3 Moleline® S12 956mm DMX SC Inground Wide Beam 45°  
 P02032XX4 Moleline® S12 956mm DMX SC Inground Very Wide Beam 60°  
 P02032XX6 Moleline® S12 956mm DMX SC Inground Asymmetric Beam 35°+15°

P02033XX1 Moleline® S12 1256mm DMX SC Inground Narrow Beam 15°  
 P02033XX2 Moleline® S12 1256mm DMX SC Inground Medium Beam 30°  
 P02033XX3 Moleline® S12 1256mm DMX SC Inground Wide Beam 45°  
 P02033XX4 Moleline® S12 1256mm DMX SC Inground Very Wide Beam 60°  
 P02033XX6 Moleline® S12 1256mm DMX SC Inground Asymmetric Beam 35°+15°

P02034XX1 Moleline® S12 1556mm DMX SC Inground Narrow Beam 15°  
 P02034XX2 Moleline® S12 1556mm DMX SC Inground Medium Beam 30°  
 P02034XX3 Moleline® S12 1556mm DMX SC Inground Wide Beam 45°  
 P02034XX4 Moleline® S12 1556mm DMX SC Inground Very Wide Beam 60°  
 P02034XX6 Moleline® S12 1556mm DMX SC Inground Asymmetric Beam 35°+15°

# Moleline® S12 Series

## Accessories, Cables, Power/Data Supplies

### Cables



P20202-1 Push Lock Type 2+4 Pin 1M Extension Cable  
 P20202-2.5 Push Lock Type 2+4 Pin 2.5M Extension Cable  
 P20202-5 Push Lock Type 2+4 Pin 5M Extension Cable  
 P20202-7.5 Push Lock Type 2+4 Pin 7.5M Extension Cable  
 P20202-10 Push Lock Type 2+4 Pin 10M Extension Cable  
 P20202-15 Push Lock Type 2+4 Pin 15M Extension Cable  
 P20202-20 Push Lock Type 2+4 Pin 20M Extension Cable  
 P20202-0.5 Push Lock Type 2+4 Pin 0.5M Extension Cable  
 P20202-0.75 Push Lock Type 2+4 Pin 0.75M Extension Cable  
 P20202-1 Push Lock Type 2+4 Pin 1M Extension Cable  
 P20202-1.5 Push Lock Type 2+4 Pin 1.5M Extension Cable  
 P20202-2 Push Lock Type 2+4 Pin 2M Extension Cable  
 P20202-2.5 Push Lock Type 2+4 Pin 2.5M Extension Cable  
 P20202-3 Push Lock Type 2+4 Pin 3M Extension Cable  
 P20202-3.5 Push Lock Type 2+4 Pin 3.5M Extension Cable  
 P20202-4 Push Lock Type 2+4 Pin 4M Extension Cable  
 P20202-5 Push Lock Type 2+4 Pin 5M Extension Cable  
 P20202-7.5 Push Lock Type 2+4 Pin 7.5M Extension Cable  
 P20202-10 Push Lock Type 2+4 Pin 10M Extension Cable  
 P20202-15 Push Lock Type 2+4 Pin 15M Extension Cable  
 P20202-20 Push Lock Type 2+4 Pin 20M Extension Cable

### Power/Data Supplies



P08002 Power Pack 320 320W 2 Outputs Power Supply  
 P08003 Power Pack 500 500W 2 Outputs Power Supply  
 P08004 Power Pack 1000 1000W 8 Outputs Power Supply  
 P08013 Power Pack 2000 2000W 8 Outputs Power Supply





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