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RUBY MC 52



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JADE 16 60



JADE 9 64







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MOLED GRAPHIC



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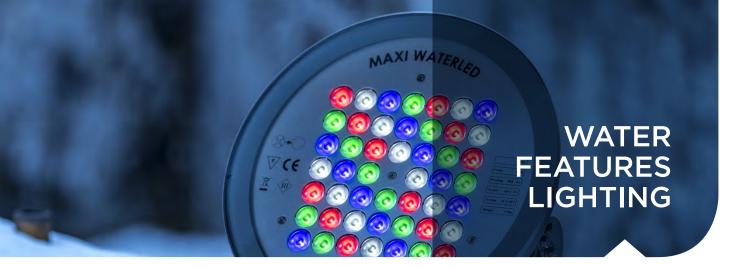




GOBOLED 7-Pro



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RGB



RGBW



FULL-COLOUR



WARM WHITE



COLD WHITE



DYNAMIC WHITE



NATURAL WHITE



MONOCHROME



POLAR EDITION



EASY EDITION



REMOTE FIRMWARE UPDATE



RDM FUNCTION



WIRELESS DATA SYSTEM



PROTECTION AGAINST MECHANICAL IMPACTS



INGRESS PROTECTION RATING



ANTI-SLIP TREATMENT



2000 KG LOAD BEARING



GRIVEN DATA PROTOCOL



SELF-ADDRESSING FIXTURE



FOCUSING FUNCTION



ELECTRONIC LINEAR 0-100% DIMMER FUNCTION



ELECTRONIC STROBE FUNCTION



ELECTRONIC BLACKOUT FUNCTION



ROTATING GOBO



FIXED GOBO



ROTATING EFFECT WHEEL



PRISM EFFECT



PULSATION EFFECT

CUSTOMISATIONS

This catalogue features a broad range of standard designs covering several lighting industry applications. However, we also have in-house prototype and customisation capabilities to accommodate modifications so to assure maximum products adaptation to specific site conditions and dedicated project requirements.









Available with a vast choice of optics for the maximum lighting design flexibility, POWERSHINE MK2 D is a double cluster wall washer with full independent control of each LED bank, allowing absolute freedom to create matching or divergent effects on formerly prohibitive large-scale façades and remote spots.



TECHNICAL SPECIFICATIONS

192 high brightness RGBW or white power LEDs unit
Continuously variable light intensity
DMX, automatic and Master-Slave mode
Remote firmware update (RFU)
RDM function
Power supply:
standard 100÷277V / 50-60Hz
Power consumption:
RGBW 2.6A @ 230V / 576W max
W 2.3A @ 230V / 500W max
DW 2.6A @ 230V / 576W max
EASY EDITION 2.2A @ 230V / 479W max
Electrical class: I
Self-resetting fuse protection

Meets CE and CSA safety standards Die cast aluminium body IP66

Operating temperature:

-40°C to 50°C (-40°F to 122°F) Integrated electronic thermal protection management

Polar Edition, featuring an integrated de-icing system with electrically heated glass, available on request.

Easy Edition, for budget restraint projects where DMX, colour changing, and dimming options are not specified, available on request.
41 Kg

Easy Edition 38 Kg





POWERSHINE MK2 D

FAÇADE LIGHTING

CODES

AL3690A POWERSHINE MK2 D RGBW AL3692A POWERSHINE MK2 D WW AL3694A POWERSHINE MK2 D CW AL3696A POWERSHINE MK2 D DW

AL3870CW POWERSHINE MK2 D EASY CW AL3870WW POWERSHINE MK2 D EASY WW

OPTICS

AL3710 SPOT OPTICS AL3712 NARROW OPTICS AL3714 MEDIUM OPTICS AL3716 WIDE OPTICS AL3717 EXTRA WIDE OPTICS AL3718 ELLIPTICAL OPTICS AL3720 ELLIPTICAL WIDE OPTICS

NOTES

Each Powershine MK2 D must always be fitted with two of the above listed optics to be ordered separately. The Polar Edition can be ordered by adding PE to the code. Optics codes remain unchanged. On request, Powershine MK2 D is available also in the CSA certified version.

ACCESSORIES



AL2198 BARNDOOR



AL2199 ANTIGLARE SHIELD (ONE FOR EACH BANK)

FEATURES AND OPTIONS

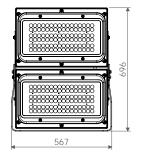


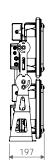




BEAM ANGLE REFERENCE

SPOT NARROW 12° MEDIUM 23° 43° EXTRA WIDE 68° **ELLIPTICAL** 11°x41° **ELLIPTICAL WIDE** 22°x39°















POWERSHINE MK2 S sets the benchmark for illumination of large scale architectural structures and associated applications calling for high impact lighting. With an industry leading high lumen package, the luminaire effectively achieves desired goals, ranging from simple façade lighting to illumination of objects from long distances, and simplifies installations using fewer units.



TECHNICAL SPECIFICATIONS

96 high brightness RGBW or white power LEDs unit Continuously variable light intensity DMX, automatic and Master-Slave mode Remote firmware update (RFU) RDM function Power supply: standard 100÷277V / 50-60Hz Power consumption: RGBW 1.3A @ 230V / 281W max W/DW 1.07A @ 230V / 237W max EASY EDITION 1.1A @ 230V / 241W max Electrical class: I Self-resetting fuse protection Meets CE and CSA safety standards

Die cast aluminium body IP66 Operating temperature:

-40°C to 50°C (-40°F to 122°F) Integrated electronic thermal protection management

Polar Edition, featuring an integrated de-icing system with electrically heated glass, available on request.

Easy Edition, for budget restraint projects where DMX, colour changing, and dimming options are not specified, available on request. 20 Kg
Easy Edition 19 Kg



POWERSHINE MK2 S

FAÇADE LIGHTING

CODES

AL3700A/21A/27A/33A POWERSHINE MK2 S RGBW/WW/CW/DW SPOT AL3701A/22A/28A/34A POWERSHINE MK2 S RGBW/WW/CW/DW NARROW AL3702A/23A/29A/35A POWERSHINE MK2 S RGBW/WW/CW/DW MEDIUM AL3703A/24A/30A/36A POWERSHINE MK2 S RGBW/WW/CW/DW WIDE AL3706A/46A/47A/58A POWERSHINE MK2 S RGBW/WW/CW/DW EXTRA WIDE AL3704A/25A/31A/37A POWERSHINE MK2 S RGBW/WW/CW/DW ELLIPTICAL AL3705A/26A/32A/38A POWERSHINE MK2 S RGBW/WW/CW/DW ELLIPTICAL WIDE

AL3860 POWERSHINE MK2 S EASY

NOTES

The Polar Edition can be ordered by adding PE to the code. On request, Powershine MK2 S is available also in the CSA certified version. All code extensions of the EASY EDITION can be found on our website.

ACCESSORIES



AL2198 BARNDOOR



AL2199 ANTIGLARE SHIELD

FEATURES AND OPTIONS





BEAM ANGLE REFERENCE

 SPOT
 8°

 NARROW
 12°

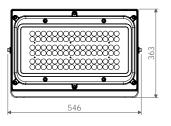
 MEDIUM
 23°

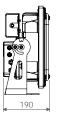
 WIDE
 43°

 EXTRA WIDE
 68°

 ELLIPTICAL
 11°x41°

 ELLIPTICAL WIDE
 22°x39°













Specific for architectural projects demanding for impressive though sustainable lighting performance, ONYX features an incomparably functional, ultra-narrow, sharp, long-shot beam of light capable of reaching previously unthinkable distances with amazing precision and even light distribution.



TECHNICAL SPECIFICATIONS

96 high brightness RGBW or white power LEDs unit
Continuously variable light intensity
DMX, automatic and Master-Slave mode
Remote firmware update (RFU)
RDM function
Power supply:
standard 100÷277V / 50-60Hz
Power consumption:
1.38A @ 230V / 310W max
Electrical class: I
Self-resetting fuse protection
Meets CE and CSA safety standards
Die cast aluminium body
IP66

Operating temperature:
-40°C to 50°C (-40°F to 122°F)
Integrated electronic thermal
protection management
Polar Edition, featuring an integrated de-icing
system with electrically heated glass, available
on request.
17.7 Kg



ONYX

FAÇADE LIGHTING

CODES

AL4052 ONYX

AL4052 US RW PE

CODE + OPTICS + LED TYPE + OPTION

OPTICS

US Ultra spot

LED TYPE

RW RGBW
CW Cold white
WW Warm white

DW Dynamic white

OPTION

PE Polar edition

NOTES

On request, Onyx is available also in the CSA certified version.

ACCESSORIES



AL4106 BARNDOOF



AL4108 ANTIGLARE SHIELD

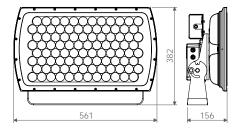
FEATURES AND OPTIONS





BEAM ANGLE REFERENCE

ULTRA SPOT 4.4°



SGRIVEN









Specific for architectural projects demanding for impressive though sustainable lighting performance, ONYX XQ features an incomparably functional, ultra-spot, sharp, long-shot beam of light capable of reaching previously unthinkable distances with amazing precision and even light distribution.



TECHNICAL SPECIFICATIONS

96 high brightness RGBW or white power LEDs unit
Continuously variable light intensity
DMX, automatic and Master-Slave mode
Remote firmware update (RFU)
RDM function
Power supply:
standard 100÷277V / 50-60Hz
Power consumption:
1.34A @ 230V / 286W max
Electrical class: I
Self-resetting fuse protection
Meets CE safety standards

Die cast aluminium body IP66
Operating temperature:
-40°C to 50°C (-40°F to 122°F)
Integrated electronic thermal protection management

Polar Edition, featuring an integrated de-icing system with electrically heated glass, available on request.

17.7 Kg





FAÇADE LIGHTING

CODES

AL4436 ONYX XQ

AL4436 US RW PE

CODE + OPTICS + LED TYPE + OPTION

OPTICS

US Ultra spot

LED TYPE

RW RGBWCW Cold white

WW Warm white

DW Dynamic white

OPTION

PE Polar edition

ACCESSORIES



AL4106 BARNDOOR



AL4108 ANTIGLARE SHIELD

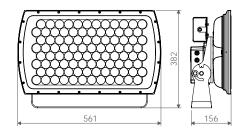
FEATURES AND OPTIONS





BEAM ANGLE REFERENCE

ULTRA SPOT 3.2°



SGRIVEN









Hosting 64 premium quality high power LEDs, CORAL delivers remarkable performances tailored to the discriminating demands of sophisticated architectural lighting from a compact body.



TECHNICAL SPECIFICATIONS

64 high brightness RGBW or white power LEDs unit
Continuously variable light intensity
DMX, automatic and Master-Slave mode
Remote firmware update (RFU)
RDM function
Power supply:
standard 100÷277V / 50-60Hz
Power consumption:
0.7A @ 230V / 158W max
EASY EDITION 0.66A @ 230V / 146W max
Electrical class: I
Self-resetting fuse protection
Meets CE and CSA safety standards

Die cast aluminium body IP66 Operating temperature: -40°C to 50°C (-40°F to 122°F) Integrated electronic thermal protection management

Polar Edition, featuring an integrated de-icing system with electrically heated glass, available on request.

Easy Edition, for budget restraint projects where DMX, colour changing, and dimming options are not specified, available on request. 8 Kg
Easy Edition 6.2 Kg



CORAL

FAÇADE LIGHTING

CODES

AL5050 CORAL AL5052 CORAL EASY

AL5050 SP PΕ RW

CODE + OPTICS | + LED TYPE | + OPTION

OPTICS

SP Spot **NA** Narrow **ME** Medium

WI Wide

EW Extra wide **EL** Elliptical

WL Elliptical Wide

LED TYPE

RW RGBW **CW** Cold white **WW** Warm white **DW** Dynamic white

OPTION

PE Polar edition

NOTES

On request, Coral is available also in the CSA certified version.

The Easy Edition, fitted with 60 LEDs, is available only in warm and cold white colour temperature, monochrome on request.

ACCESSORIES



AL2517 BARNDOOR



AL2516 ANTIGLARE SHIELD

FEATURES AND OPTIONS

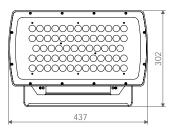






BEAM ANGLE REFERENCE

SPOT NARROW 11° MEDIUM 20° 43° WIDE EXTRA WIDE 69° ELLIPTICAL 9°x41° ELLIPTICAL WIDE 20°x37°

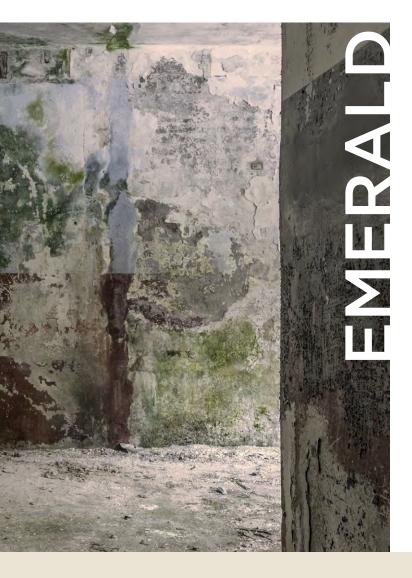














Meeting the most demanding architectural requirements, EMERALD allows a powerful output from a compact body hosting 60 premium quality high power LEDs. Fitted with a variety of high build and design optics groups for the utmost optical efficiency, this versatile wall washer also assures balanced projection and photometric flexibility.



TECHNICAL SPECIFICATIONS

60 high brightness RGBW or white power LEDs unit
Continuously variable light intensity
DMX, automatic and Master-Slave mode
Remote firmware update (RFU)
RDM function
Infrared remote control
Power supply:
standard 100÷277V / 50-60Hz
Power consumption:
0.4A @ 230V / 95W max
Electrical class: I
Self-resetting fuse protection
Meets CE and CSA safety standards

Die cast aluminium body IP66
Operating temperature:
-40°C to 50°C (-40°F to 122°F)
Integrated electronic thermal protection management
Polar Edition, featuring an integrated de-icing system with electrically heated glass, available on request.
6 Kg



EMERALD

FAÇADE LIGHTING

CODES

AL4900 EMERALD

AL4900 SP RW PΕ

CODE + OPTICS + LED TYPE + OPTION

OPTICS

SP Spot **NA** Narrow **ME** Medium WI Wide

EW Extra wide **EL** Elliptical WL Elliptical Wide

LED TYPE

RW RGBW **CW** Cold white **WW** Warm white **DW** Dynamic white

OPTION

PE Polar edition

NOTES

Emerald must always be purchased with AL1321 Infrared Remote Control. More Emerald units can be controlled with one AL1321. On request, Emerald is available also in the CSA certified version.

ACCESSORIES







AL1321 INFRARED REMOTE CONTROL



AL2516 ANTIGLARE SHIELD

FEATURES AND OPTIONS

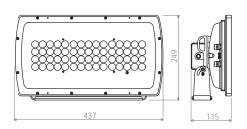






BEAM ANGLE REFERENCE

SPOT NARROW 11° 21° MEDIUM WIDE 43° EXTRA WIDE 68° ELLIPTICAL 9°x41° ELLIPTICAL WIDE 20°x38°













Hosting 40 premium quality high power LEDs, ZAPHIR delivers remarkable performances tailored to the discriminating demands of sophisticated architectural lighting from an extremely compact body. This versatile wall washer is suitable for a variety of lighting installations requiring maximum photometric flexibility.



TECHNICAL SPECIFICATIONS

40 high brightness RGBW or white power LEDs unit
Continuously variable light intensity
DMX, automatic and Master-Slave mode
Remote firmware update (RFU)
RDM function
Infrared remote control
Power supply:
standard 100÷277V / 50-60Hz
Power consumption:
0.3A @ 230V / 66W max
Electrical class: I
Self-resetting fuse protection
Meets CE and CSA safety standards

Die cast aluminium body IP66
Operating temperature:
-40°C to 50°C (-40°F to 122°F)
Integrated electronic thermal protection management
Polar Edition, featuring an integrated de-icing system with electrically heated glass, available on request.
4.1 Kg



ZAPHIR

FAÇADE LIGHTING

CODES

AL4800 ZAPHIR

AL4800 SP RW PΕ

CODE + OPTICS + LED TYPE + OPTION

OPTICS

SP Spot **NA** Narrow **ME** Medium WI Wide

EW Extra wide **EL** Elliptical WL Elliptical Wide

LED TYPE

RW RGBW **CW** Cold white **WW** Warm white **DW** Dynamic white

OPTION

PE Polar edition

NOTES

Zaphir must always be purchased with AL1321 Infrared Remote Control. More Zaphir units can be controlled with one AL1321. On request, Zaphir is available also in the CSA certified version.

ACCESSORIES





AL2359 BARNDOOR

AL1321 INFRARED REMOTE CONTROL



AL2358 ANTIGLARE SHIELD

FEATURES AND OPTIONS

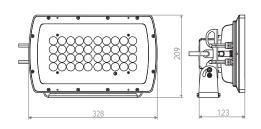






BEAM ANGLE REFERENCE

SPOT NARROW 11° 21° MEDIUM 43° EXTRA WIDE 68° ELLIPTICAL 9°x41° 20°x38° ELLIPTICAL WIDE













Based on an efficient combination of strikingly powerful RGBW full colour LEDs and providing an extremely bright light output at medium distances, DIAMOND is the perfect choice for a vast array of architectural lighting applications.



TECHNICAL SPECIFICATIONS

12 super high brightness RGBW full colour or white power LEDs unit Continuously variable light intensity DMX, automatic and Master-Slave mode Remote firmware update (RFU) RDM function Power supply: standard 100÷277V / 50-60Hz Power consumption: RGBW 0.6A @ 230V / 128W max Electrical class: I Self-resetting fuse protection Meets CE safety standards

Die cast aluminium body IP65
Operating temperature:
-40°C to 50°C (-40°F to 122°F)
Integrated electronic thermal protection management

Polar Edition, featuring an integrated de-icing system with electrically heated glass, available on request.
8.6 Kg



DIAMOND

FAÇADE LIGHTING

CODES

AL5002 DIAMOND

AL5002 SP RW PE

CODE + OPTICS + LED TYPE + OPTION

OPTICS

SP Spot
NA Narrow
ME Medium

WI Wide EL Elliptical LED TYPE

RW RGBW CW Cold white WW Warm white

DW Dynamic white

OPTION

PE Polar edition

ACCESSORIES



AL2379 BARNDOOR



AL2391 ANTIGLARE SHIELD

FEATURES AND OPTIONS





BEAM ANGLE REFERENCE

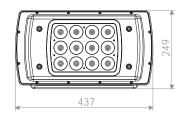
 SPOT
 7.2°

 NARROW
 11°

 MEDIUM
 23°

 WIDE
 35°

 ELLIPTICAL
 12°x38°





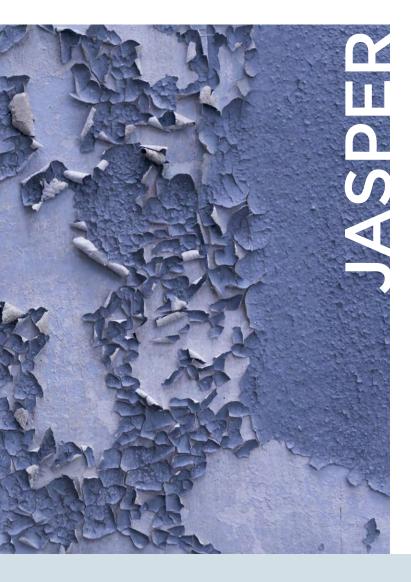














Ideal for spot or flood lighting of building façades or large areas, JASPER meets the latest design requirements and aesthetical prerequisites demanding for large round shaped powerful LED fixtures capable of delivering high level performances with a reduced power consumption.



TECHNICAL SPECIFICATIONS

60 high brightness RGBW or white power LEDs unit
Continuously variable light intensity
DMX, automatic and Master-Slave mode
Remote firmware update (RFU)
RDM function
Infrared remote control
Power supply:
standard 100÷277V / 50-60Hz
Power consumption:
0.88A @ 230V / 195W max
EASY EDITION 1.2A @ 230V / 266W max
Electrical class: I
Self-resetting fuse protection
Meets CE safety standards

Aluminium body
IP66
Operating temperature:
-40°C to 50°C (-40°F to 122°F)
Integrated electronic thermal
protection management
Polar Edition, featuring an integrated de-icing
system with electrically heated glass, available
on request.
Fasy Edition for budget restraint projects whe

Easy Edition, for budget restraint projects where DMX, colour changing, and dimming options are not specified, available on request.

18 Kg





AL4360 JASPER AL4356 JASPER EASY

PΕ AL4360 NA RW

CODE + OPTICS + LED TYPE + OPTION

OPTICS

US Ultra spot **SP** Spot **NA** Narrow **ME** Medium WI Wide EW Extra wide

UW Ultra wide **EL** Elliptical **WL** Elliptical Wide

LED TYPE

RW RGBW WW Warm white* CW Cold white* **DW** Dynamic white

OPTION

PΕ Polar edition Dimmable* D

PD Dimmable Polar Edition*

NOTES

Jasper must always be purchased with AL1321 Infrared Remote Control. More Jasper units can be controlled with one AL1321.

The Easy Edition is available only in warm and cold white colour temperature.

AL1321 INFRARED REMOTE CONTROL

ACCESSORIES







AL4392 SNOOT

FEATURES AND OPTIONS



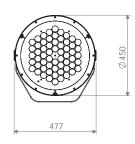
POLAR EASY RFU RDM WIRELESS DATA IK10

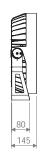




BEAM ANGLE REFERENCE

ULTRA SPOT SPOT 8° NARROW 11° MEDIUM 23° WIDE 43° EXTRA WIDE 69° ULTRA WIDE 130° **ELLIPTICAL** 41°x11° ELLIPTICAL WIDE 39°x22°







^{*}Options available for the EASY EDITION.









Satisfying a wide variety of architectural and landscape illumination needs, this stylish medium-sized rounded fixture, based on an efficient combination of strikingly powerful RGBW full colour LEDs, is ideal for spot lighting and wall grazing.



TECHNICAL SPECIFICATIONS

6 high brightness RGBW full colour or white power LEDs unit
Continuously variable light intensity
DMX, automatic and Master-Slave mode
Remote firmware update (RFU)
RDM function
Infrared remote control
Power supply:
standard 120÷277V / 50-60Hz
Power consumption:
0.26A @ 230V / 57W max
Electrical class: I
Self-resetting fuse protection
Meets CE and CSA safety standards

Aluminium body
IP66
Operating temperature:
-30°C to 45°C (-22°F to 113°F)
Integrated electronic thermal
protection management
Polar Edition, featuring an integrated de-icing
system with electrically heated glass, available
on request.
4.9 Kg





AL4980 RUBY MC

AL4980 SP RW

CODE + OPTICS + LED TYPE + OPTION

PΕ

OPTICS

SP Spot **NA** Narrow **ME** Medium WI Wide

LED TYPE

RW RGBW **CW** Cold white **DW** Dynamic white

OPTION

PE Polar edition

NOTES

Ruby MC must always be purchased with AL1321 Infrared Remote Control. More Ruby MC units can be controlled with one AL1321. On request, Ruby MC is available also in the CSA certified version.

ACCESSORIES







AI 4985 SNOOT



AL1321 INFRARED REMOTE CONTROL



AI 4984 VISOR

FEATURES AND OPTIONS











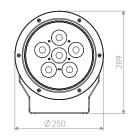


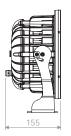




BEAM ANGLE REFERENCE

SPOT NARROW 10° MEDIUM 23° WIDE 35°

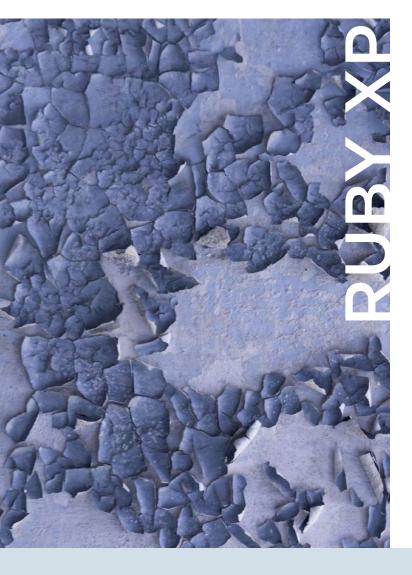














RUBY XP is capable of delivering a highly efficient luminous flux taking advantage of the twenty high power LEDs it is fitted with. This stylish and versatile fixture easily conveys spot lighting and wall grazing effects at medium to long distances owing to the wide selection of optics groups available.



TECHNICAL SPECIFICATIONS

20 high brightness RGBW or white power LEDs unit Continuously variable light intensity DMX, automatic and Master-Slave mode Remote firmware update (RFU) RDM function Infrared remote control Power supply: standard 100÷240V / 50-60Hz Power consumption: 0.18A @ 230V / 37W max Electrical class: I Self-resetting fuse protection Meets CE safety standards Aluminium body

IP66
Operating temperature:
-30°C to 50°C (-22°F to 122°F)
Integrated electronic thermal
protection management
4.9 Kg





AL4422 RUBY XP

AL4422 SP RW

CODE + OPTICS + LED TYPE

OPTICS

SP SpotNA Narrow

ME Medium WI Wide

EW Extra wide
EL Elliptical

WL Elliptical wide WW Wall wash

LED TYPE

RW RGBWCW Cold white

WW Warm white

DW Dynamic white

NOTES

Ruby XP must always be purchased with AL1321 Infrared Remote Control. More Ruby XP units can be controlled with one AL1321.

ACCESSORIES







AI 4985 SNOOT



AL1321 INFRARED REMOTE CONTROL



AL4984 VISOR

FEATURES AND OPTIONS





BEAM ANGLE REFERENCE

 SPOT
 7°

 NARROW
 11°

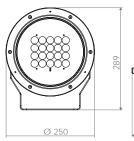
 MEDIUM
 20°

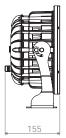
 WIDE
 43°

 EXTRA WIDE
 68°

 ELLIPTICAL
 9°x41°

WALL WASH 14° (16° incline) x37°

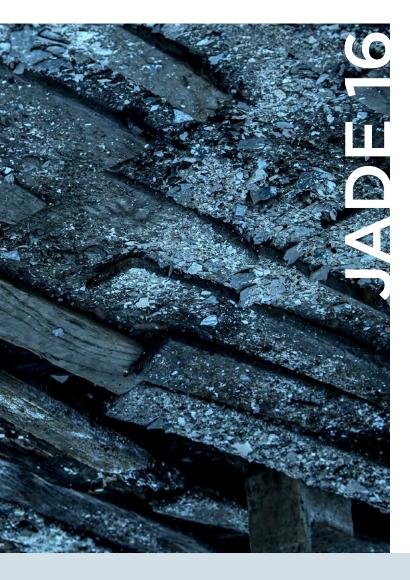














A must for the finest outdoor accent lighting, JADE 16 houses sixteen high power RGBW LEDs, as well as in-built electronics and power supply unit. Providing a vibrant and brilliant colour palette from such a compact chassis, JADE 16 features functional efficiency and is capable of creating visual interest to specific architectural features or details, boosting their peculiarity with differently shaped optics outputs.



TECHNICAL SPECIFICATIONS

16 high brightness RGBW or white power LEDs unit
Continuously variable light intensity
DMX, automatic and Master-Slave mode
Remote firmware update (RFU)
RDM function
Infrared remote control
Power supply:
standard 100÷240V / 50-60Hz
Power consumption:
0.4A @ 230V / 38W max
Electrical class: I
Self-resetting fuse protection
Meets CE and CSA safety standards
Aluminium body

IP66
Operating temperature:
-40°C to 50°C (-40°F to 122°F)
Integrated electronic thermal
protection management
Polar Edition, featuring an integrated de-icing
system with electrically heated glass, available
on request.
2 Kg



AL4050 JADE 16

PΕ AL4050 NA RW

CODE + OPTICS + LED TYPE + OPTION **OPTICS**

NA Narrow **ME** Medium WI Wide **EW** Extra wide **EL** Elliptical **WL** Elliptical Wide LED TYPE

RW RGBW **CW** Cold white **WW** Warm white **DW** Dynamic white

OPTION

PE Polar edition

NOTES

Jade 16 must always be purchased with AL1321 Infrared Remote Control. More Jade 16 units can be controlled with one AL1321. On request, Jade 16 is available also in the CSA certified version.

ACCESSORIES





AL1321 INFRARED REMOTE CONTROL





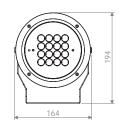


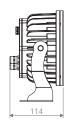
FEATURES AND OPTIONS

POLAR RFU RDM WIRELESS DATA IKO9

BEAM ANGLE REFERENCE

NARROW 13° 29° MEDIUM 40° WIDE ExTRA WIDE 58° ELLIPTICAL 12°x34° **ELLIPTICAL WIDE** 29°x51°

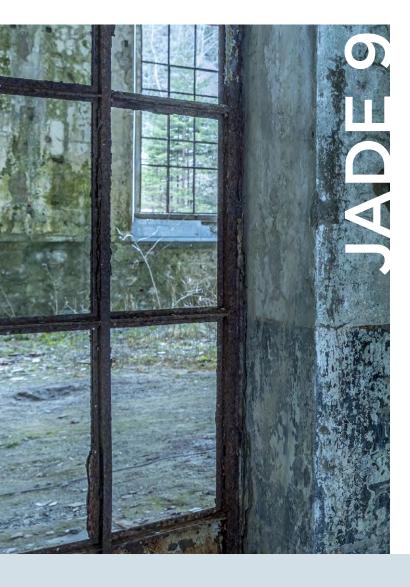














A must for the finest outdoor accent lighting, JADE 9, a rounded compact spotlight featuring in-built electronics and power supply unit, creates visual interest to specific architectural features or details, boosting their peculiarity with differently shaped optics outputs.



TECHNICAL SPECIFICATIONS

9 high brightness RGB power LEDs unit Continuously variable light intensity DMX, automatic and Master-Slave mode Infrared remote control Power supply: standard 100÷240V / 50-60Hz Power consumption: 0.2A @ 230V / 23W max EASY EDITION standard 100÷277V / 50-60Hz Power consumption: 0.11A @ 230V / 25W max Electrical class: I Meets CE and CSA safety standards Aluminium body

IP66
Operating temperature:
-40°C to 50°C (-40°F to 122°F)
Integrated electronic thermal
protection management **Easy Edition**, for budget restraint projects where
DMX, colour changing, and dimming options are
not specified, available on request.
2.2 Kg
EASY EDITION 2 Kg





AL3440/60 JADE 9 CW/WW SPOT AL3420 JADE 9 RGB SPOT AL3442/62 JADE 9 CW/WWNARROW AL3422 JADE 9 RGB NARROW AL3444/64 JADE 9 CW/WW MEDIUM AL3424 JADE 9 RGB MEDIUM AL3446/66 JADE 9 CW/WW WIDE AL3426 JADE 9 RGB WIDE AL3448/68 JADE 9 CW/WW EXTRA WIDE AL3428 JADE 9 RGB EXTRA WIDE AL3450/70 JADE 9 CW/WW ELLIPTICAL AL3430 JADE 9 RGB ELLIPTICAL AL3452/72 JADE 9 CW/WW ELLIPTICAL WIDE AL3432 JADE 9 RGB ELLIPTICAL WIDE

AL4354 JADE 9 EASY

NOTES

Jade 9 must always be purchased with AL1321 Infrared Remote Control. More Jade 9 units can be controlled with one AL1321. On request, Jade 9 is available also in the CSA certified version.

All code extensions of the EASY EDITION can be found on our website.

ACCESSORIES





AL1321 INFRARED REMOTE CONTROL





FEATURES AND OPTIONS

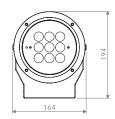


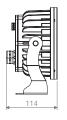




BEAM ANGLE REFERENCE

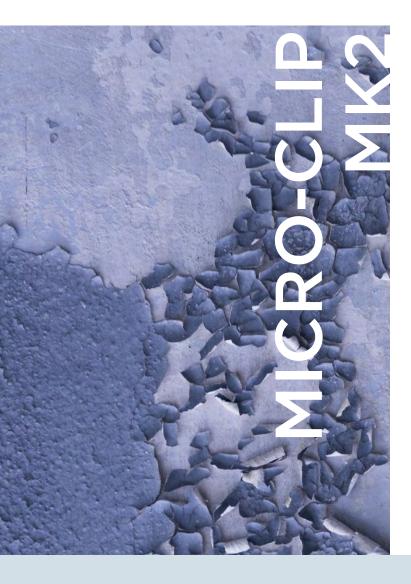
SPOT NARROW 11° 21° MEDIUM WIDE 41° EXTRA WIDE 68° **ELLIPTICAL** 9°x41° ELLIPTICAL WIDE 30°x38°













MICRO-CLIP MK2 is an ultra compact spotlight that houses three high efficiency full colour LEDs. Wall-washing, spot lighting, interior and exterior decoration are part of a vast choice of applications enhanced by multiple beam angles options and full orientation pan and tilt mounting positions.



TECHNICAL SPECIFICATIONS

RGB VERSIONS

3 high brightness RGB full colour power LEDs units
Continuously variable light intensity
Remote DMX, automatic and
Master-Slave control options via separate transformer box
Power supply (transformer box):
100÷240V / 50-60Hz
Power consumption:
10.8W
Electrical class: III
Separate transformer featuring
self-resetting fuse protection
Meets CE safety standards

DMX LED driver AL1861 powering up to 4 units, even independently (100÷240V / 50-60Hz) Full 360° orientation capability with adjustable bracket for surface mounting Aluminium body for both unit and separate transformer box IP65 for both unit and separate transformer box Operating temperature:
-20°C to 40°C (-4°F to 104°F)
0.65 Kg
Separate transformer box: 4.2 Kg

DIGITAL CONTROL SYSTEM SPECIFICATIONS AND CONFIGURATIONS AVAILABLE ON OUR WEBSITE

WHITE LIGHT VERSIONS

3 high brightness white power LEDs unit Power supply: 100÷240VAC / 50-60Hz Power consumption: 6.9W per unit with in-built power supply Electrical class: I Meets CE safety standards Full 360° orientation capability with adjustable bracket for surface mounting Aluminium body IP65
Operating temperature:
-20°C to 40°C (-4°F to 104°F)
0.65 Kg

MICRO-CLIP MK2

FACADE LIGHTING

CODES

AL2210 MICRO-CLIP MK2 RGB NARROW AL2212 MICRO-CLIP MK2 RGB MEDIUM AL2214 MICRO-CLIP MK2 RGB WIDE

AL2222/16 MICRO-CLIP MK2 CW/WW SPOT AL2224/18 MICRO-CLIP MK2 CW/WW NARROW AL2226/20 MICRO-CLIP MK2 CW/WW MEDIUM AL2227/21 MICRO-CLIP MK2 CW/WW WIDE AL2228/19 MICRO-CLIP MK2 CW/WW EXTRA WIDE AL2289/17 MICRO-CLIP MK2 CW/WW ELLIPTICAL AL2290/88 MICRO-CLIP MK2 CW/WW ELLIPTICAL WIDE

NOTES

The RGB version requires an external power supply unit.

The white version is fitted with integrated power supply unit and does not features DMX options.

ACCESSORIES





AL4125 SNOOT



AL1861 IP65 SEPARATE TRANSFORMER BOX (only for RGB versions)

FEATURES AND OPTIONS







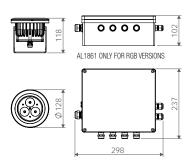






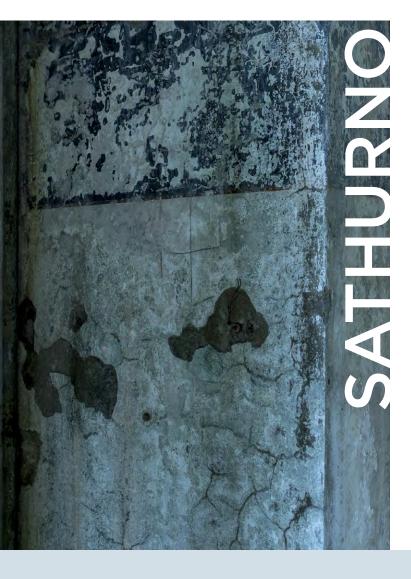
BEAM ANGLE REFERENCE

RGB		WHITE LIGHT	
NARROW	14°	SPOT	7°
MEDIUM	28°	NARROW	11°
WIDE	40°	MEDIUM	20°
		WIDE	44°x42°
		EXTRA WIDE	63°
		ELLIPTICAL	9°x41°
		ELLIPTICAL WIDE	20°x38°











An ultra compact light fitting for spot lighting and wall grazing effects, SATHURNO is a highly performing LED wall washer specifically designed for exterior applications in areas where inground installation is not possible or required. Suitable for pedestrian areas, its thin, yet robust chassis allows a comfortable ground positioning without compromising the installation ground or pavement.



TECHNICAL SPECIFICATIONS

12 high brightness RGBW or white power LEDs unit
Continuously variable light intensity
DMX, automatic and Master-Slave mode
RDM function
Power supply:
RGBW versions: separate LED driver
powering up to 3 units
(IP65 AL4322 100÷277 Vac - 50-60 Hz or IP20
AL4326 24Vdc)
W versions: separate LED driver
powering up to 1 unit
(AL4324 120÷277 Vac - 50-60 Hz)
Power consumption:
21W max

Electrical class: III (separate LED driver required)
10m power supply cable included
Different cable lengths (up to 50 m) available
on request
Separate LED driver featuring
self-resetting fuse protection
Meets CE safety standards
Die cast aluminium body
Load bearing: 500 Kg
IP67
Operating temperature:
-40°C to 50°C (-40°F to 122°F)
Integrated electronic thermal
protection management
1.2 Kg



SATHURNO

FAÇADE LIGHTING

CODES

AL4320 SATHURNO

AL4320 NA RW

CODE + OPTICS + LED TYPE

OPTICS

NA Narrow **ME** Medium WI Wide **EW** Extra wide **EL** Elliptical **WL** Elliptical Wide WW Wall wash

LED TYPE

RW RGBW **CW** Cold white **WW** Warm white

ACCESSORIES



AL4322 IP65 DMX LED DRIVER



AL4326 IP20 DMX LED DRIVER



AL4380 IP20 DMX-DALI CONVERTER (only for W versions)



AL4324 IP20 DALI LED DRIVER

FEATURES AND OPTIONS









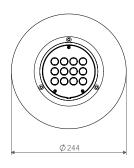




BEAM ANGLE REFERENCE

NARROW 12° 27° MEDIUM 51° WIDE EXTRA WIDE 55° ELLIPTICAL 34°x11° ELLIPTICAL WIDE 30°x51°

35° (13° incline) x106° WALL WASH



















With a truly comfortable set-up guaranteed by the total absence of external power supply box, PARADE X-24 and 48 RGBW are available also in white LED configurations. Superb output with real uniform colour coverage even on close-up installations, especially on formerly prohibitive large-scale architectural elements, and the purposely conceived optics groups provide for truly powerful wall grazing enhancement. The stylish profile is complemented by the on board control panel offering instant and complete access over all digital functions.



TECHNICAL SPECIFICATIONS

24 or 48 high brightness RGBW or white power LEDs unit Continuously variable light intensity DMX remote control Remote firmware update (RFU) RDM function Power supply: standard 100÷240V / 50-60Hz Power consumption: X-24 0.3A @ 230V / 58W max X-48 0.6A @ 230V / 115W max Electrical class: I Self-resetting fuse protection Meets CE and CSA safety standards Extruded aluminium body

IP67
Operating temperature:
-30°C to 50°C (-22°F to 122°F)
Integrated electronic thermal
protection management **Easy Edition**, for budget restraint projects where
DMX, colour changing, and dimming options are
not specified, available on request.
X-24: 2.8 Kg
X-48: 4.5 Kg



PARADE X-24 48

LINEAR WALL GRAZING

CODES

AL3250/3370/80/90 PARADE X-RGBW/CW/WW/DW-48 MEDIUM AL3252/3372/82/92 PARADE X-RGBW/CW/WW/DW-48 WIDE AL3254/3374/84/94 PARADE X-RGBW/CW/WW/DW-48 ELLIPTICAL AL3256/3376/86/96 PARADE X-RGBW/CW/WW/DW-48 ELLIPTICAL WIDE AL3258/3378/88/98 PARADE X-RGBW/CW/WW/DW-48 WALL WASH AL4060 PARADE X-48 EASY AL4062 PARADE X-24 EASY

AL3820/30/40/50 PARADE X-RGBW/CW/WW/DW-24 MEDIUM AL3822/32/42/52 PARADE X-RGBW/CW/WW/DW-24 WIDE AL3824/34/44/54 PARADE X-RGBW/CW/WW/DW-24 ELLIPTICAL AL3826/36/46/56 PARADE X-RGBW/CW/WW/DW-24 ELLIPTICAL WIDE AL3828/38/48/58 PARADE X-RGBW/CW/WW/DW-24 WALL WASH

NOTES

All code extensions of the EASY EDITION can be found on our website.

On request, Parade X-24 48 are available also in the CSA certified version.

FEATURES AND OPTIONS







BEAM ANGLE REFERENCE

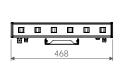
 MEDIUM
 28°x38°

 WIDE
 45°

 ELLIPTICAL
 13°x67°

 ELLIPTICAL WIDE
 26°x91°

WALL WASH 37° (7° incline) x50°



0 0 0 0 0 0 0 0 0 0













PARADE X-18 and 36 RGB feature unquestionably powerful luminous flux with real uniform colour coverage even on close-up installations, especially on formerly prohibitive large-scale architectural elements. Available also in white LED configurations, these modular bars provide for truly powerful wall grazing enhancement. The combination of the 18 or 36 RGB LEDs featured and the photometric distribution efficiency offer an unprecedented astonishing light output quality. The stylish profile is complemented by the on board control panel offering instant and complete access over all digital functions.



TECHNICAL SPECIFICATIONS

18 or 36 high brightness RGB or white power LEDs unit Continuously variable light intensity DMX , automatic and Master-Slave mode Remote firmware update (RFU) RDM function Power supply: standard 100÷240V / 50-60Hz Power consumption: X-18 0.2A @ 230V / 42W max X-36 0.4A @ 230V / 84W max Electrical class: I Self-resetting fuse protection Meets CE safety standards Extruded aluminium body

IP67
Operating temperature:
-30°C to 50°C (-22°F to 122°F)
Integrated electronic thermal
protection management **Easy Edition**, for budget restraint projects where
DMX, colour changing, and dimming options are
not specified, available on request.
X-18: 2.8 Kg
X-36: 4.5 Kg



PARADE X-18 36

LINEAR WALL GRAZING

CODES

AL3230/AL3930/AL3940 PARADE X-RGB/CW/WW-36 SPOT AL3232/AL3931/AL3941 PARADE X-RGB/CW/WW-36 NARROW AL3234/AL3932/AL3942 PARADE X-RGB/CW/WW-36 MEDIUM AL3236/AL3933/AL3943 PARADE X-RGB/CW/WW-36 WIDE AL3242/AL3934/AL3944 PARADE X-RGB/CW/WW-36 EXTRA WIDE AL3238/AL3935/AL3945 PARADE X-RGB/CW/WW-36 ELLIPTICAL AL3240/AL3936/AL3946 PARADE X-RGB/CW/WW-36 ELLIPTICAL WIDE AL4056 PARADE-X 36 EASY AL4058 PARADE X-18 EASY

AL3950/60/70 PARADE X-RGB/CW/WW-18 SPOT AL3951/61/71 PARADE X-RGB/CW/WW-18 NARROW AL3952/62/72 PARADE X-RGB/CW/WW-18 MEDIUM AL3953/63/73 PARADE X-RGB/CW/WW-18 WIDE AL3954/64/74 PARADE X-RGB/CW/WW-18 EXTRA WIDE AL3955/65/75 PARADE X-RGB/CW/WW-18 ELLIPTICAL AL3956/66/76 PARADE X-RGB/CW/WW-18 ELLIPTICAL WIDE

NOTES

All code extensions of the EASY EDITION can be found on our website.

FEATURES AND OPTIONS













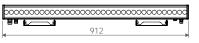


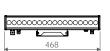




BEAM ANGLE REFERENCE

SPOT 8° NARROW 11° 21° MEDIUM WIDE 42° EXTRA WIDE 710 **ELLIPTICAL** 10°X41° ELLIPTICAL WIDE 21°X38°





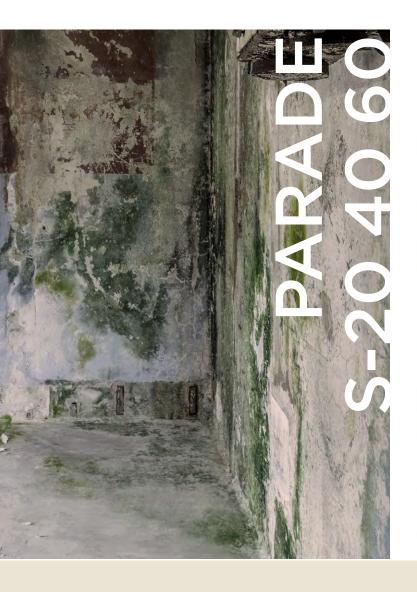






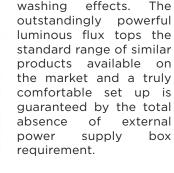














TECHNICAL SPECIFICATIONS

20, 40 or 60 high brightness RGBW or white power LEDs units
Continuously variable light intensity
DMX remote control
Remote firmware update (RFU)
RDM function
Infrared remote control
Power supply:
standard 100÷240V / 50-60Hz
Power Consumption:
S-RGBW-20 0.17A @ 230V / 28W max
S-RGBW-40 0.35A @ 230V / 49W max
S-RGBW-60 0.45A @ 230V / 72W max
Electrical class: I
Self-resetting fuse protection

Extruded aluminium body IP67
Operating temperature:
-40°C to 50°C (-40°F to 122°F)
Integrated electronic thermal protection management
Polar Edition, featuring an integrated de-icing system with electrically heated glass, available on request.

Meets CE and CSA safety standards

S-20: 2.7 Kg S-40: 4.5 Kg S-60: 6 Kg



LINEAR WALL GRAZING

PARADE S-20 40 60

CODES

AL2585/87/90 PARADE S-RGBW-20/40/60 MEDIUM AL2554/64/74 PARADE S-RGBW-20/40/60 WIDE AL2558/68/78 PARADE S-RGBW-20/40/60 ELLIPTICAL AL2580/84/88 PARADE S-RGBW-20/40/60 ELLIPTICAL WIDE AL2582/86/89 PARADE S-RGBW-20/40/60 WALL WASH

AL3114/24/34 PARADE S-CW-20/40/60 MEDIUM AL3110/20/30 PARADE S-CW-20/40/60 WIDE AL3111/21/31 PARADE S-CW-20/40/60 ELLIPTICAL AL3112/22/32 PARADE S-CW-20/40/60 ELLIPTICAL WIDE AL3113/23/33 PARADE S-CW-20/40/60 WALL WASH

AL3119/29/39 PARADE S-WW-20/40/60 MEDIUM AL3115/25/35 PARADE S-WW-20/40/60 WIDE AL3116/26/36 PARADE S-WW-20/40/60 ELLIPTICAL AL3117/27/37 PARADE S-WW-20/40/60 ELLIPTICAL WIDE AL3118/28/38 PARADE S-WW-20/40/60 WALL WASH

AL3160/65/70 PARADE S-DW-20/40/60 MEDIUM AL3161/66/71 PARADE S-DW-20/40/60 WIDE AL3162/67/72 PARADE S-DW-20/40/60 ELLIPTICAL AL3163/68/73 PARADE S-DW-20/40/60 ELLIPTICAL WIDE AL3164/69/74 PARADE S-DW-20/40/60 WALL WASH

NOTES

On request, Parade S is available also in the CSA certified version.

The Polar Edition can be ordered by adding PE to the code.

Parade S must always be purchased with AL1321 Infrared Remote Control. More units of Parade S can be controlled with one AL1321.

ACCESSORIES



AL4333 BARNDOOR FOR PARADE S-20 AL4337 BARNDOOR FOR PARADE S-40 AL4341 BARNDOOR FOR PARADE S-60



AL4335 VISOR FOR PARADE S-40 AL4339 VISOR FOR PARADE S-60



AL4330 SNOOT FOR PARADE S-20 AL4334 SNOOT FOR PARADE S-40 AL4338 SNOOT FOR PARADE S-60



AL1321 INFRARED REMOTE CONTROL

FEATURES AND OPTIONS





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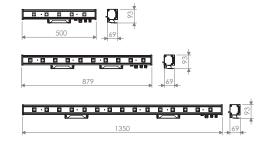


*PARADE S-RGBW-20

BEAM ANGLE REFERENCE

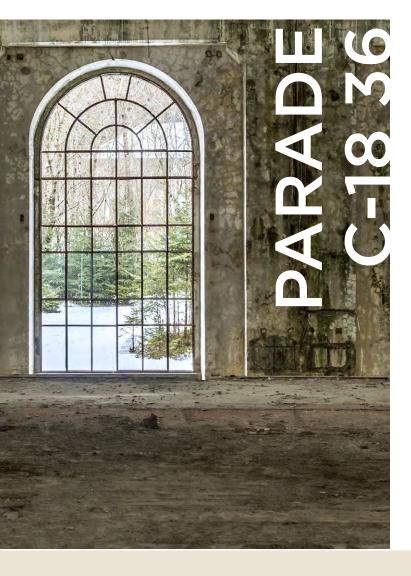
MEDIUM 27°x39° WIDE 45° **ELLIPTICAL** 14°x55° **ELLIPTICAL WIDE** 37°x109°

WALL WASH 18° (6° incline) x 47°











Designed for true wall grazing effects, PARADE C 18 and 36 are surface mount linear RGB LED modules available also in white LED configurations. The

> combination of the 18 or 36 RGB LEDs featured and the superb photometric distribution efficiency offer an unprecedented astonishing light output quality. Beside comfortable set up guaranteed by integrated power supply, compact size and light weight manageability, a combination of competitive technical features and price makes this modular bar the ideal choice for lower budget solutions.



TECHNICAL SPECIFICATIONS

Extruded aluminium body

18 or 36 high brightness RGB or white power LEDs units
Continuously variable light intensity
Remote firmware update (RFU)
DMX, automatic and Master-Slave mode
Infrared remote control
RDM function
Power supply:
100÷240V / 50-60Hz
Power consumption:
C-18 0.2A @ 230V / 21W max at full intensity
C-36 0.35A @ 230V / 40W max at full intensity
Electrical class: I
Self-resetting fuse protection
Meets CE safety standards

IP67
Operating temperature:
-40°C to 50°C (-40°F to 122°F)
Integrated electronic thermal
protection management
C-18: 2.4 Kg
C-36: 4.8 Kg

PARADE C-18 36

LINEAR WALL GRAZING

CODES

AL4378 PARADE C-18 AL4379 PARADE C-36

AL4378 SP RG

CODE + OPTICS + LED TYPE

OPTICS

SP Spot NA Narrow Medium ME WI Wide **EW** Extra Wide

Elliptical WL Elliptical wide **WW** Wall wash

LED TYPE

RG RGB **CW** Cold white **WW** Warm white

NOTES

Parade C must always be purchased with AL1321 Infrared Remote Control. More units of Parade C can be controlled with one AL1321.

ACCESSORIES



AL1321 INFRARED REMOTE CONTROL

FEATURES AND OPTIONS













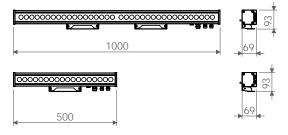
* PARADE C-18 ** PARADE C-36

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BEAM ANGLE REFERENCE

SPOT ٩° NARROW 11° 21° MEDIUM 42° WIDE EXTRA WIDE 71° ELLIPTICAL 10°x40° ELLIPTICAL WIDE 21°x38°

13° (5° incline) x 37° WALL WASH













Designed for refined wall grazing effects, the Parade D-RGB series, featuring 5 or 10 high efficiency RGB full colour LEDs and a comprehensive selection of optics groups, offers an array of innovative and cost efficient outdoor and indoor lighting solutions. Benefiting from an IP67 protection rate, compact size and lightweight manageability, these high performance modular bars can be easily installed in any position and orientation.



TECHNICAL SPECIFICATIONS

5 or 10 high brightness RGB full colour power LEDs units
Continuously variable light intensity
DMX, automatic and Master-Slave mode
Remote firmware update (RFU)
Power supply:
standard 100÷240V / 50-60Hz
Power consumption:
D-RGB-5 0.15A @ 230V / 20W max
D-RGB-10 0.3A @ 230V / 40W max
Electrical class: I
Self-resetting fuse protection
Integrated electronic thermal
protection management
Meets CE safety standards

Extruded aluminium body IP67 Operating temperature: -40°C to 50°C (-40°F to 122°F) D-RGB-5: 2.8 Kg D-RGB-10: 4.7 Kg



PARADE D-RGB-5 10

LINEAR WALL GRAZING

CODES

AL2310 PARADE D-RGB-5 NARROW

AL2312 PARADE D-RGB-5 MEDIUM

AL2314 PARADE D-RGB-5 WIDE

AL2316 PARADE D-RGB-5 ELLIPTICAL

AL2300 PARADE D-RGB-10 NARROW

AL2302 PARADE D-RGB-10 MEDIUM

AL2304 PARADE D-RGB-10 WIDE

AL2306 PARADE D-RGB-10 ELLIPTICAL

FEATURES AND OPTIONS













*PARADE D-RGB-5
**PARADE D-RGB-10

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BEAM ANGLE REFERENCE

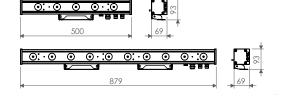
 D-RGB-5
 D-RGB-10

 NARROW
 18°x27°
 15°x40°

 MEDIUM
 28°x36°
 28°x46°

 WIDE
 39°x45°
 35°x52°

 ELLIPTICAL
 20°x57°
 15°x59°







GRIVEN





A smart solution for the widest variety of outdoor architectural lighting applications such as accent, effect and landscape lighting, the technologically advanced PARADE D-W MK3 linear modules series features 6, 9 or 12 high brightness white light LED sources. Available both in warm and cold white light, these robust and durable modular bars are capable of offering an impressive light emission performance where digital control, colour changing and dimming options are not project requisites.



TECHNICAL SPECIFICATIONS

6, 9 or 12 high brightness white power LEDs units Power supply: 100÷277V / 50-60Hz Power consumption: D-W-6 0.08A @ 230V / 18W max D-W-9 0.13A @ 230V / 25W max D-W-12 0.15A @ 230V / 32W max Electrical class: I Self-resetting fuse protection Meets CE safety standards Extruded aluminium body IP67 Operating temperature: -40°C to 50°C (-40°F to 122°F)

D-W-6: 2.4 Kg D-W-9: 4.8 Kg D-W-12: 6 Kg



PARADE D-W-6 9 12 MK3

LINEAR WALL GRAZING

CODES

AL4426 PARADE D-W-6 MK3 AL4427 PARADE D-W-9 MK3 AL4428 PARADE D-W-12 MK3

AL4426 SP CW

CODE + OPTICS + LED TYPE

OPTICS

SP Spot CW CW CW MA Narrow WW ME Medium

ME Medium WI Wide

EW Extra wide
EL Elliptical
WL Elliptical wide
WW Wall wash

LED TYPE

CW Cold white **WW** Warm white

ACCESSORIES



AL4342 SNOOT FOR PARADE D-W-6 MK3 AL4346 SNOOT FOR PARADE D-W-9 MK3 AL4350 SNOOT FOR PARADE D-W-12 MK3



AL4343 VISOR FOR PARADE D-W-6 MK3 AL4347 VISOR FOR PARADE D-W-9 MK3 AL4351 VISOR FOR PARADE D-W-12 MK3



AL4345 BARNDOOR FOR PARADE D-W-6 MK3 AL4349 BARNDOOR FOR PARADE D-W-9 MK3 AL4353 BARNDOOR FOR PARADE D-W-12 MK3

FEATURES AND OPTIONS





*PARADE D-W-6/9 MK3 **PARADE D-W-12 MK3



BEAM ANGLE REFERENCE

 SPOT
 7°

 NARROW
 11°

 MEDIUM
 21°

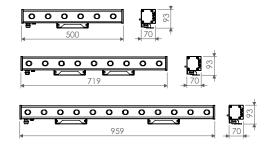
 WIDE
 44°

 EXTRA WIDE
 73°

 ELLIPTICAL
 10°x40°

 ELLIPTICAL WIDE
 21°x38°

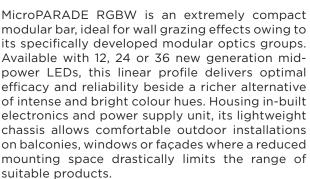
WALL WASH 19° (5° incline) x 38°













TECHNICAL SPECIFICATIONS

12, 24 or 36 RGBW or white mid-power LEDs unit Continuously variable light intensity DMX and automatic mode Remote firmware update (RFU) RDM function Power supply: 100÷240V / 50-60Hz Power consumption: microPARADE 12: 0.11A @ 230V / 11W ca. microPARADE 24: 0.17A @ 230V / 19W ca. 12 EASY: 0.11A @ 230V / 11W ca. 24 EASY: 0.17A @ 230V / 19W ca. 36 EASY: 0.23A @ 230V / 28W ca.

Electrical class: I
Self-resetting fuse protection
Meets CE safety standards
Extruded aluminium body
IP67
Operating temperature:
-20°C to 50°C (-4°F to 122°F)
Integrated electronic thermal
protection management
Easy Edition, for budget restraint projects where
DMX, colour changing, and dimming options are

not specified, available on request microPARADE 12: 1.3 Kg microPARADE 24: 2.2 Kg microPARADE 36: 2.7 Kg



microPARADE 12 24 36

LINEAR WALL GRAZING

CODES

AL4362 microPARADE 12 AL4363 microPARADE 24 AL4364 microPARADE 36

AL4440 microPARADE 12 EASY AL4441 microPARADE 24 EASY AL4442 microPARADE 36 EASY

AL4362 EL RW CODE + OPTICS + LED TYPE + OPTION

OPTICS

EL Elliptical WW Wall Wash

LED TYPE

RW RGBW **CW** Cold white WW Warm white **DW** Dynamic white

OPTION

- 01 Fitted with in and out DMX and power cables
- Fitted with in and out DMX and power cables and connectors

NOTES

The Easy Edition is available only in warm and cold white colour temperature (monochrome on request).

ACCESSORIES



AL4401 01 IP67 REPOWER BOX AL4401 02 IP67 REPOWER BOX (with cables and connectors)



AL4418 LINE END CAP





AL2090RT DMX TERMINATOR



AI 2630 1 m CONNECTION CARLE 2 m CONNECTION CABLE AL2631 3 m CONNECTION CABLE 5 m CONNECTION CABLE AI 2632 AL2634 10 m CONNECTION CABLE

FEATURES AND OPTIONS



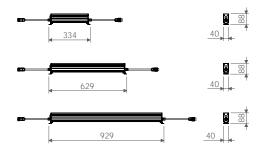


BEAM ANGLE REFERENCE

ELLIPTICAL WIDE 35°x93°

WALL WASH

23° (5° incline) x 98°



MGRIV/EN











Fitted with strikingly powerful full colour LEDs and featuring a smart beam angle orientation adjustment, DUNE MC is an IP67 highly performing LED fixture ideal for spot lighting and wall grazing in exterior recessed applications. The 2000 Kg deadweight load capacity makes it suitable for ground mounting applications even in vehicular areas.



TECHNICAL SPECIFICATIONS

6 high brightness RGBW full colour, CW or DW power LEDs unit Continuously variable light intensity DMX, automatic and Master-Slave mode Remote firmware update (RFU) RDM function Infrared remote control Power supply: standard 100÷240V / 50-60Hz Power consumption: 0.4A @ 230V / 45W max Electrical class: I Self-resetting fuse protection Meets CE safety standards Die cast aluminium body finished with corrosion resistant paint

Anti-slip treatment available on request Beam angle orientation of +/- 10° (tilt) 90° orientation capability (pan) Load bearing: 2000 Kg IP67 Operating temperature: -40°C to 50°C (-40°F to 122°F) Integrated electronic thermal protection management Polar Edition, featuring an integrated de-icing system with electrically heated glass, available on request.

DIGITAL CONTROL SYSTEM SPECIFICATIONS AND CONFIGURATIONS AVAILABLE ON OUR WEBSITE



6.8 Kg



CODES

AL4008/18/28 DUNE MC RGBW/CW/DW SPOT AL4010/20/30 DUNE MC RGBW/CW/DW NARROW AL4012/22/32 DUNE MC RGBW/CW/DW MEDIUM AL4014/24/34 DUNE MC RGBW/CW/DW WIDE

NOTES

Dune MC must always be purchased with AL1321 Infrared Remote Control. More Dune MC units can be controlled with one AL1321. The Polar Edition can be ordered by adding PE to the code. Optics codes remain unchanged.

ACCESSORIES



AL1321 INFRARED REMOTE CONTROL

FEATURES AND OPTIONS



















BEAM ANGLE REFERENCE

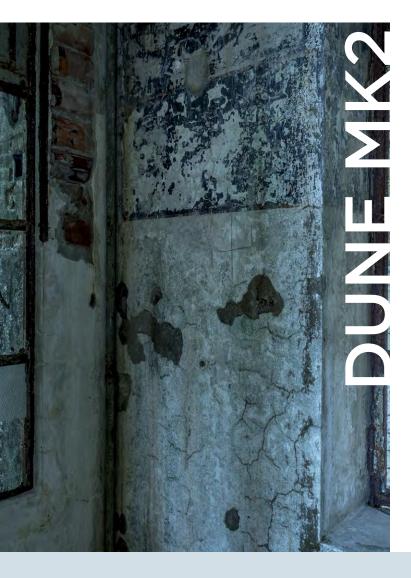
SPOT NARROW 10° MEDIUM 23° WIDE 35°













DUNE MK2, with its IP67 rating, is a highly performing LED light fitting specifically designed for exterior recessed applications. The 2000 Kg deadweight load capacity makes this fixture suitable for ground mounting applications even in vehicular areas. DUNE MK2 also features beam angle orientation adjustment.



TECHNICAL SPECIFICATIONS

20 high brightness RGBW or white power LEDs unit Continuously variable light intensity DMX, automatic and Master-Slave mode Remote firmware update (RFU) RDM function Infrared remote control Power supply: standard 100÷240V / 50-60Hz Power consumption: RGBW 0.27A @ 230V / 29W max Electrical class: I Self-resetting fuse protection Meets CE safety standards Die cast aluminium body

Anti-slip treatment available on request Beam angle orientation of +/- 10° (tilt) 90° orientation capability (pan) Load bearing: 2000 Kg IP67 Operating temperature: -40°C to 50°C (-40°F to 122°F) 6.7 Kg



DUNE MK2

RECESSED APPLICATIONS

CODES

AL 4850 DUNE MK2

AL4850 SP RW

CODE + OPTICS + LED TYPE

OPTICS

SP Spot
NA Narrow
ME Medium
WI Wide
EW Extra wide
EL Elliptical

WL Elliptical wide

LED TYPE

RW RGBWCW Cold whiteWW Warm whiteDW Dynamic white

NOTES

Dune MK2 must always be purchased with AL1321 Infrared Remote Control. More Dune MK2 units can be controlled with one AL1321.

ACCESSORIES



AL1321 INFRARED REMOTE CONTROL

FEATURES AND OPTIONS







BEAM ANGLE REFERENCE

 SPOT
 7°

 NARROW
 12°

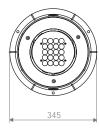
 MEDIUM
 21°

 WIDE
 43°

 EXTRA WIDE
 66°

 ELLIPTICAL
 11x40°

 ELLIPTICAL WIDE
 20x40°

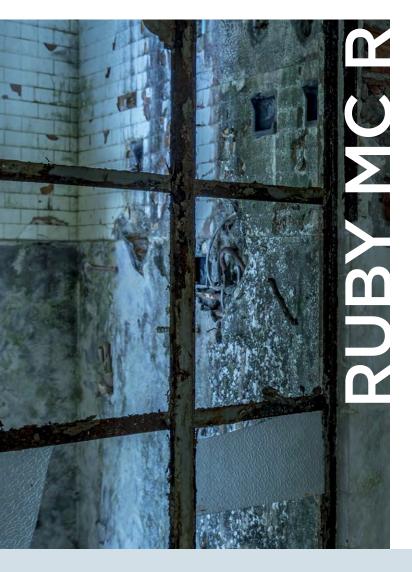














Featuring shallow recessed depth for a comfortable in-ground installation, RUBY MC R is a highly performing colour changer, fitted with strikingly powerful full colour LEDs, specifically designed for exterior recessed applications. This compact IP67 rated light fitting features a 2000 Kg deadweight load capacity that makes it suitable for ground mounting applications even in vehicular areas.



TECHNICAL SPECIFICATIONS

6 high brightness RGBW full colour or white power LEDs unit Continuously variable light intensity DMX, automatic and Master-Slave mode Remote firmware update (RFU) RDM function Infrared remote control Power supply: standard 100÷277V 50-60Hz Power consumption: 0.26A@230V / 58W max Electrical class: I Self-resetting fuse protection Integrated electronic thermal protection management

Meets CE and CSA safety standards
Aluminium and stainless steel body
Anti-slip treatment available on request
Load bearing: 2000 Kg
IP67
Operating temperature:
-40°C to 50°C (-40°F to 122°F)
Integrated electronic thermal protection
management
Polar Edition, featuring an integrated de-icing
system with electrically heated glass, available

Polar Edition, featuring an integrated de-icing system with electrically heated glass, available on request.

5 Kg



RUBY MC R

RECESSED APPLICATIONS

CODES

AL4990 RUBY MC R

AL4990 SP CW PΕ

CODE + OPTICS + LED TYPE + OPTION OPTICS

SP Spot **NA** Narrow **ME** Medium WI Wide

LED TYPE

RW RGBW **CW** Cold white **DW** Dynamic white

OPTION

PE Polar edition

NOTES

Ruby MC R must always be purchased with AL1321 Infrared Remote Control. More Ruby MC R units can be controlled with one AL1321. On request, Ruby MC R is available also in the CSA certified version.

ACCESSORIES



AL1321 INFRARED REMOTE CONTROL

FEATURES AND OPTIONS















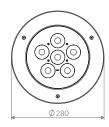


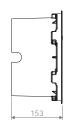




BEAM ANGLE REFERENCE

SPOT NARROW 10° MEDIUM 23° WIDE 34°

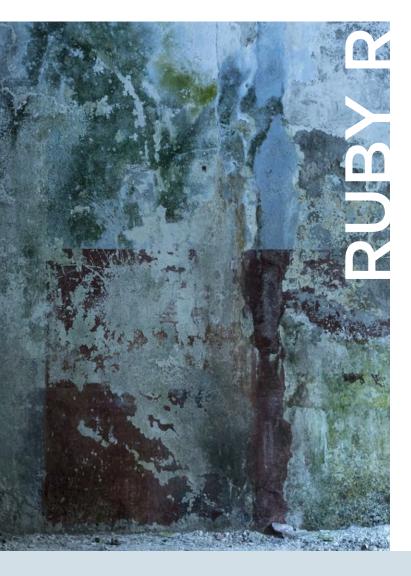














Featuring shallow recessed depth for a comfortable in-ground installation, RUBY R is a highly performing LED fixture specifically designed for exterior recessed applications. This compact IP67 rated light fitting features a 2000 Kg deadweight load capacity that makes it suitable for ground mounting applications even in vehicular areas.



TECHNICAL SPECIFICATIONS

unit Continuously variable light intensity DMX, automatic and Master-Slave mode Remote firmware update (RFU) RDM function Infrared remote control Power supply: standard 100÷277V / 50-60Hz Power consumption: 0.17A@230V / 36W max Electrical class: I Self-resetting fuse protection Meets CE and CSA safety standards Aluminium and stainless steel body

20 high brightness RGBW or white power LEDs Anti-slip treatment available on request Load bearing: 2000 Kg **IP67** Operating temperature: -40°C to 50°C (-40°F to 122°F) Integrated electronic thermal protection management 4.6 Kg





CODES

AL4992 RUBY R

AL4992 SP RW

CODE + OPTICS + LED TYPE

OPTICS

SP Spot
NA Narrow
ME Medium
WI Wide
EW Extra wide
EL Elliptical
WL Elliptical wide

WW Wall wash

LED TYPE

RW RGBWCW Cold whiteWW Warm whiteDW Dynamic white

NOTES

Ruby R must always be purchased with AL1321 Infrared Remote Control. More Ruby R units can be controlled with one AL1321. On request, Ruby R is available also in the CSA certified version.

ACCESSORIES



AL1321 INFRARED REMOTE CONTROL

FEATURES AND OPTIONS







BEAM ANGLE REFERENCE

 SPOT
 7°

 NARROW
 11°

 MEDIUM
 21°

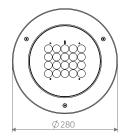
 WIDE
 43°

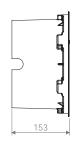
 EXTRA WIDE
 69°

 ELLIPTICAL
 9°x41°

 ELLIPTICAL WIDE
 20°x38°

WALL WASH 14° (16° incline) x 37°

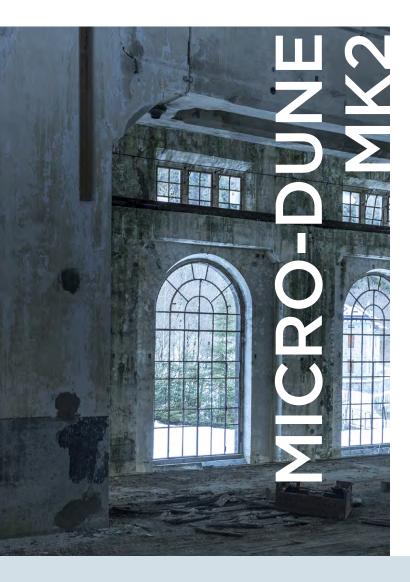














Fitted with high brightness full colour LEDs, MICRO-DUNE MK2 is a super compact IP67 rated uplighter specifically engineered for exterior recessed use in pedestrian areas. Delivering a distinctive light output for directive application or decorative lighting patterns creation, it harmoniously blends with the surrounding architectural environment providing discreetly essential solutions.



TECHNICAL SPECIFICATIONS

RGB VERSIONS

3 high brightness RGB full colour power LEDs units
Continuously variable light intensity
Remote DMX, automatic and Master-Slave control options via separate transformer box
Power supply (transformer box):
100÷240V / 50-60Hz
Power consumption:
10.8W per unit
Electrical class: III
Separate transformer featuring self-resetting fuse protection
Meets CE safety standards

DMX LED driver AL1861 powering up to 4 units, even independently (100÷240V / 50-60Hz)
Aluminium case and stainless steel (AISI 316) flange
IP67
Separate transformer box: IP65
Operating temperature:
-20°C to 40°C (-4°F to 104°F)
1.7 Kg
Separate transformer box: 4.2 Kg

DIGITAL CONTROL SYSTEM SPECIFICATIONS AND CONFIGURATIONS AVAILABLE ON OUR WEBSITE

WHITE LIGHT VERSIONS

3 high brightness white power LEDs unit Power supply: 100÷240VAC / 50-60Hz Power consumption: 6.9W per unit with in-built power supply Electrical class: I Meets CE safety standards Full 360° orientation capability with adjustable bracket for surface mounting Aluminium body IP65
Operating temperature:
-20°C to 40°C (-4°F to 104°F)
0.65 Kg



MICRO-DUNE MK2

CODES

AL2230 MICRO-DUNE MK2 RGB NARROW AL2232 MICRO-DUNE MK2 RGB MEDIUM AL2234 MICRO-DUNE MK2 RGB WIDE

AL2242/36 MICRO-DUNE MK2 CW/WW SPOT AL2244/38 MICRO-DUNE MK2 CW/WW NARROW AL2246/40 MICRO-DUNE MK2 CW/WW MEDIUM AL2247/41 MICRO-DUNE MK2 CW/WW WIDE AL2248/39 MICRO-DUNE MK2 CW/WW EXTRA WIDE AL2293/91 MICRO-DUNE MK2 CW/WW ELLIPTICAL AL2294/92 MICRO-DUNE MK2 CW/WW ELLIPTICAL WIDE

ACCESSORIES



AL1861 IP65 SEPARATE TRANSFORMER BOX

FEATURES AND OPTIONS

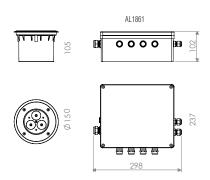






BEAM ANGLE REFERENCE

RGB		WHITE	
NARROW	14°	SPOT	7°
MEDIUM	28°	NARROW	11°
WIDE	40°	MEDIUM	20°
		WIDE	38°
		EXTRA WIDE	68°
		ELLIPTICAL	10°x39°
		ELLIPTICAL WIDE	20°x38°













ATHOMO is a recessed walk-on LED uplight for exterior and interior use delivering a distinctive light output for directive application or decorative lighting patterns creation. Available in IP67 and IP68 versions featuring stainless steel flange and scratch-resistant glass, this discreetly essential solution enhances durable dynamic interaction with the surrounding architectural environment and functional orientation signalling.



TECHNICAL SPECIFICATIONS

1 high brightness RGB full colour or white power LED unit Electrical specifications: RGB

Medium and wide photometric distribution lenses

350mA / 3.6W

Separate 350mA DMX power supply powering up to 8 units 36W 220÷240VAC (AL2882) WHITE LIGHT

Narrow, medium and wide photometric distribution lenses 500mA / 1.7W Separate 500mA constant current power supply (2÷3 units) 6W 220÷240VAC (AL2705) Separate 500mA constant current power supply (4÷11 units) 20W 220÷240VAC (AL2704)

Separate 500mA constant current power supply (4÷14 units) 24W 220÷240VAC dimmable 0÷10V or by button (AL2703)
Meets CE safety standards
Electrical class: III

IP67: Aluminium case and AISI 316L stainless steel flange

IP68 (-1m): AISI 316L stainless steel case and flange

Easy mounting system with formwork Operating temperature:

-20°C to 40°C (-4°F to 104°F)

0.12 Kg



ATHOMO

CODES **OPTICS**

AL2942 ATHOMO RGB (IP67) **OM** Medium **RG** RGB AL2946 ATHOMO RGB (IP68) **ow** Wide

AL2942 OM RG

+ OPTICS | + LED TYPE **OPTICS** LED TYPE

TC 6300K Cold white **ON** Narrow AL2940 ATHOMO W (IP67) **OM** Medium TW 3000K Warm white AL2944 ATHOMO W (IP68) **ow** Wide

ACCESSORIES

FOR RGB VERSIONS



AL2882 IP20 RGB DMX POWER SUPPLY SIZE 225x60x36mm - 36W

FOR WHITE LIGHT VERSIONS



AL2703 IP20 CONSTANT CURRENT



AL2704 IP20 CONSTANT CURRENT POWER SUPPLY - SIZE 180x32x32mm - 24W POWER SUPPLY - SIZE 165x40x25mm - 20W



AL2705 IP20 CONSTANT CURRENT POWER SUPPLY - SIZE 74x35x21mm - 6W

FEATURES AND OPTIONS



LED TYPE











BEAM ANGLE REFERENCE

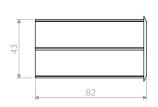
RGB

MEDIUM 21° WIDE 48°

WHITE

7° NARROW MEDIUM 15° WIDE 33°





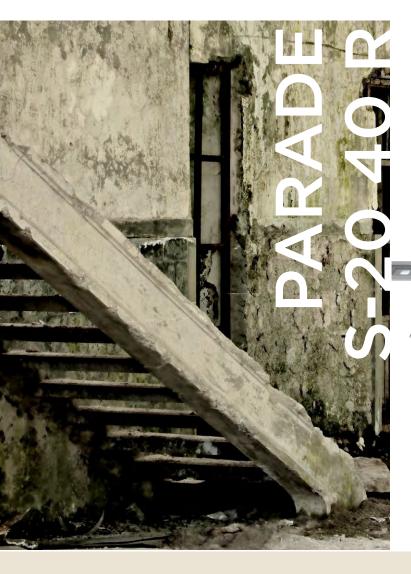












Delivering superb output and real uniform colour coverage purposely on close-up installations, PARADE S-20 and 40 RECESSED are modular, super flux, high luminance recessed linear LED modules that, featuring an IP67 weather protection along with a compact size and a light weight manageability, are suitable for in-ground use in pedestrian areas. A truly comfortable set up is guaranteed by the total absence of external power supply box requirement.



TECHNICAL SPECIFICATIONS

20 or 40 high brightness RGBW or white power LEDs units
Continuously variable light intensity
DMX, automatic and Master-Slave mode
Remote firmware update (RFU)
Power supply:
standard 100÷240V / 50-60Hz
Power consumption:
S-20 R 0.17A @ 230V / 28W max
S-40 R 0.35A @ 230V / 49W max
Electrical class: I
Self-resetting fuse protection
Integrated electronic thermal protection
management
Meets CE and CSA safety standards

Extruded aluminium body and stainless steel flange and formwork
Anti-slip treatment available on request IP67
Operating temperature:
-40°C to 50°C (-40°F to 122°F)
S-20 R: 5.1 Kg
S-40 R: 8.7 Kg



PARADE S-20 40 R

RECESSED APPLICATIONS

CODES

AL3555/50 PARADE S-RGBW-20/40 R MEDIUM	AL3545/35 PARADE S-WW-20/40 R MEDIUM
AL3556/51 PARADE S-RGBW-20/40 R WIDE	AL3546/36 PARADE S-WW-20/40 R WIDE
AL3557/52 PARADE S-RGBW-20/40 R ELLIPTICAL	AL3547/37 PARADE S-WW-20/40 R ELLIPTICAL
AL3558/53 PARADE S-RGBW-20/40 R ELL. WIDE	AL3548/38 PARADE S-WW-20/40 R ELL. WIDE
AL3559/54 PARADE S-RGBW-20/40 R WALL WASH	AL3549/39 PARADE S-WW-20/40 R WALL WASH
AL3540/30 PARADE S-CW-20/40 R MEDIUM AL3541/31 PARADE S-CW-20/40 R WIDE AL3542/32 PARADE S-CW-20/40 R ELLIPTICAL AL3543/33 PARADE S-CW-20/40 R ELLIPTICAL WIDE AL3544/34 PARADE S-CW-20/40 R WALL WASH	AL3565/60 PARADE S-DW-20/40 R MEDIUM AL3566/61 PARADE S-DW-20/40 R WIDE AL3567/62 PARADE S-DW-20/40 R ELLIPTICAL AL3568/63 PARADE S-DW-20/40 R ELL. WIDE AL3569/64 PARADE S-DW-20/40 R WALL WASH

NOTES

Parade S units must always be purchased with one AL1321 Infrared Remote Control to set their DMX address. On request, Parade S-20 40 R are available also in the CSA certified version.

ACCESSORIES



AL1321 INFRARED REMOTE CONTROL

FEATURES AND OPTIONS





BEAM ANGLE REFERENCE

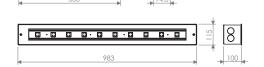
 MEDIUM
 27x39°

 WIDE
 45°

 ELLIPTICAL
 14°x55°

 ELLIPTICAL WIDE
 38°x109°

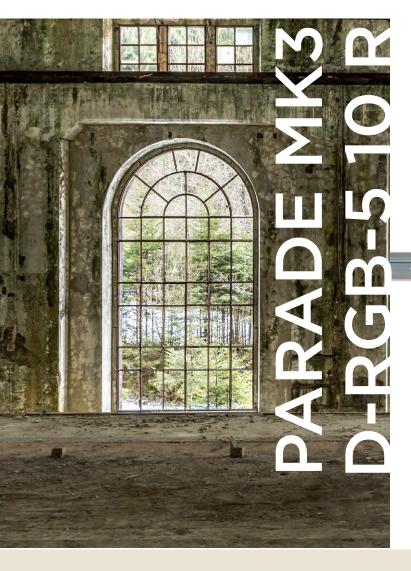
WALL WASH 18° (6° incline) x 48°













Designed for refined architectural decoration, PARADE MK3 D-RGB-5 and 10 RECESSED are IP67 super flux and high luminance LED modules specific for recessed use in pedestrian areas. Lighting design requisites will benefit from these modular bars housing high efficiency full colour LEDs and delivering superb output with real uniform colour coverage even on close-up installations.



TECHNICAL SPECIFICATIONS

5 or 10 high brightness RGB full colour power LEDs units
Continuously variable light intensity
DMX, automatic and Master-Slave mode
Remote firmware update (RFU)
Power supply:
standard 100÷240V / 50-60Hz
Power consumption:
D-RGB-5 MK3 R 0.12A @ 230V / 22W max
D-RGB-10 MK3 R 0.3A @ 230V / 40W max
Electrical class: I
Self-resetting fuse protection
Integrated electronic thermal protection
management
Meets CE safety standards

Extruded aluminium and stainless steel body Anti-slip treatment available on request IP67 Operating temperature: -40°C to 50°C (-40°F to 122°F) D-RGB-5 MK3 R: 5 Kg D-RGB-10 MK3 R: 8.9 Kg



PARADE MK3 D-RGB-5 10 R

CODES

AL3512 PARADE MK3 D-RGB-5 R MEDIUM AL3516 PARADE MK3 D-RGB-5 R WALL WASH

AL3522 PARADE MK3 D-RGB-10 R MEDIUM AL3526 PARADE MK3 D-RGB-10 R WALL WASH

FEATURES AND OPTIONS











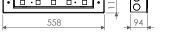
BEAM ANGLE REFERENCE

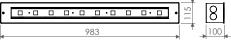
MEDIUM

28x47°

WALL WASH

 27° (8° incline) x 50°













Featuring an IP67 weather protection along with a compact size and a light weight manageability, PARADE D-W-5 and 11 RECESSED MK2 are high quality linear LED modules for recessed use in outdoor pedestrian areas. The bright white light LED sources, either warm or cold, that these fixtures are fitted with, coupled with the most effective lenses, give an incredibly homogeneous daylight white output. A truly comfortable set up is guaranteed by the total absence of external power supply box requirement.



TECHNICAL SPECIFICATIONS

5 or 11 high brightness white power LEDs units Power supply: 100÷277V / 50-60Hz Power consumption: D-W-5 R 0.07A @ 230V / 15W max D-W-11 R 0.15A @ 230V / 29W max Electrical class: I Self-resetting fuse protection Meets CE safety standards Extruded aluminium body Anti-slip treatment available on request **IP67** Operating temperature: -40°C to 50°C (-40°F to 122°F) D-W-5 R: 5.0 Kg D-W-11 R: 8.6 Kg



PARADE MK2 D-W-5 11 R

RECESSED APPLICATIONS

CODES

AL4429 PARADE MK2 D-W-5 R AL4430 PARADE MK2 D-W-11 R

AL4429 SP CW

CODE + OPTICS + LED TYPE

OPTICS

SP Spot NA Narrow Medium ME Wide **EW** Extra wide **WW** Wall wash **EL** Elliptical

WL Elliptical wide

LED TYPE

CW Cold white **WW** Warm white

FEATURES AND OPTIONS











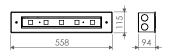


BEAM ANGLE REFERENCE

SPOT 7° 11° NARROW MEDIUM 21° WIDE 44° EXTRA WIDE 73°

WALL WASH 19° (5° incline) x 38°

ELLIPTICAL 10°x40° ELLIPTICAL WIDE 21°x38°













MOLED 25 and 50 are thin line, in-ground LED profiles that, featuring an IP67 weather protection along with a compact size and a light weight manageability, are suitable for use in pedestrian areas. The ideal solution for pathways, parks, gardens and other public as well as private areas, more MOLED 25 or 50 modules, with a density of 50 full colour LEDs per metre, can be comfortably set-up with invariable pixel pitch for a uniform visual pattern layout also with angle installations.



TECHNICAL SPECIFICATIONS

25 or 50 high brightness RGB full colour or white LEDs modules Continuously variable light intensity DMX remote control Self-addressing feature for digital data assignment with signal regeneration or RDM (on request) Remote firmware update (RFU) RDM function LED density per metre: 50 Power supply: 48Vdc Power Consumption: 18 W/m EASY EDITION 18 W/m Power chain max: 16 Moled 25 with 185W power supply (AL4450)

8 Moled 50 with 185W power supply (AL4450) Electrical class: III Meets CE safety standards AISI 316L stainless steel housing Available modules length: 506/1006 mm IP67

Operating temperature: -40°C to 50°C (-40°F to 122°F) Integrated electronic thermal protection management

Easy Edition, for budget restraint projects where DMX, colour changing, and dimming options are

not specified, available on request.

MoLED 25: 4.3 Kg (formwork included)

MoLED 50: 8.6 Kg (formwork included)



MOLED 25 50

RECESSED APPLICATIONS

CODES

AL4369 Moled 25 AL4370 Moled 50

AL4369 GO

CW

CODE

S

+ OPTION + OPTICS + LED TYPE

OPTICS

GO Opaline glass

OPTION

S Self-addressing

RDM

LED TYPE

RG RGB

CW Cold white

WW Warm white

DW Dynamic white

CODES

AL4371 Moled 25 EASY AL4372 Moled 50 EASY

AL4371 GO

CW

CODE + OPTICS | + LED TYPE **OPTICS**

GO Opaline glass

LED TYPE

CW Cold white

WW Warm white

NW Natural white

RE Red

GR Green

BLBlue

ΑM Amber

ACCESSORIES



AL2121 IP67 START LINE BOX AL2122 IP67 REPOWER BOX



AL4453 LINE END CAP



AL4462 ELBOW ARRAY FIXING



AL4454 FORMWORK END CAP

FEATURES AND OPTIONS

























AL2013 0.5 m CONNECTION CABLE

AL2012 1 m CONNECTION CABLE
AL2015 2 m CONNECTION CABLE AL2017 3 m CONNECTION CABLE
AL2019 10 m CONNECTION CABLE

AL4450 ELECTRONIC DRIVER

AL4473 DMX TERMINATOR (for RDM versions)

PHOTOMETRIC DETAILS AVAILABLE ON OUR WEBSITE

MGRIVEN









The different solutions of this series enhance several features of many architectural elements. Ultra thin linear profiles, delivering colour changing or white light wall grazing effect, can easily be installed outdoor on façades where reduced mounting space drastically limits the range of suitable products. Decorative lighting on curved walls or other bending surfaces is ensured by the flexible version of these profiles. Colour changing or white light graphic shapers highlight inner frames or outer edges of windows, balconies or repeating architectural elements creating boundless accent lighting solutions. Colour changing or white light wall mount diffusers offer eye-catching accent and wall grazing effect.







nanoPARADE is an ultra compact aluminium linear profile available in RGB, cold, warm and dynamic white LED configurations. Featuring extreme thinness, in-built DMX driver and light weight manageability, nanoPARADE is the ideal solution for easy outdoor installation on balconies, windows or façades where a reduced mounting space drastically limits the range of suitable products. With an optimal light output efficacy, different length choices and a density of 50 LEDs per metre, more units can comfortably be set-up for creative wall grazing effect with invariable pixel pitch for a uniform visual layout.



TECHNICAL SPECIFICATIONS

RGB and white mid-power LEDs unit 50 LEDs/m
Continuously variable light intensity 1-100% electronic dimming facility DMX, automatic and Master-Slave mode RDM function
Power supply: 24Vdc
Power consumption:
RGB 0.6 A/m, 14.4 W/m
Electrical class: III
Meets CE safety standards
Extruded anodized aluminium body IP67
Operating temperature:
-10°C to 50°C (14°F to 122°F)

Integrated electronic thermal protection management nanoPARADE 320 mm: 0.2 Kg nanoPARADE 620 mm: 0.4 Kg nanoPARADE 1220 mm: 0.8 Kg



nanoPARADE

DECORATIVE AND ACCENT LIGHTING

CODES

AL4484 nanoPARADE

AL4484 03 RG AAS CODE + LENGHT + LED TYPE + 3 OPTIONS

LENGTH

03 320 mm **06** 620 mm **12** 1200 mm

LED TYPE

RG RGB **WW** Warm white **CW** Cold white **DW** Dynamic white

OPTIONS

A Active **P** Passive **A** In and out power and DMX cables and connectors

B In and out power and DMX cables

- **S** Standard fixing
- L With fixing bracket

ACCESSORIES







AL4487/1 CONNECTION KIT



AL4487/2 IP67 POWER SUPPLY UNIT 120 W

AL4487/4 METAL COVER



AL4487/3 DMX TERMINATOR

FEATURES AND OPTIONS











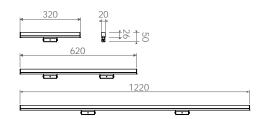




BEAM ANGLE REFERENCE

ALL VERSIONS

120°



MGRIVEN

PHOTOMETRIC DETAILS AVAILABLE ON OUR WEBSITE









Available with RGB, cold, warm and dynamic white LED configurations, nanoPARADE TB is a thin flexible linear module suitable for outdoor use. Featuring a number of different length choices, optimal diffusion and efficient light output, more units can be integrated consecutively within curved façades or other bending surfaces for decorative lighting effect with invariable pixel pitch for a uniform visual layout.



TECHNICAL SPECIFICATIONS

High brightness RGB and white LEDs unit Continuously variable light intensity
1-100% electronic dimming facility
DMX, automatic and Master-Slave mode RDM function
Power supply:
24Vdc
Power consumption:
RGB 0.6 A/m, 14.4 W/m
Electrical class: III
Meets CE safety standards
Extruded silicone body
IP68
IP67 (version with connectors)

Operating temperature: -10°C to 70°C (14°F to 158°F) Integrated electronic thermal protection management 0.33 Kg/m



DECORATIVE AND ACCENT LIGHTING

nanoPARADE

CODES

AL4485 nanoPARADE TB

AL4485 01 RG A A O CODE + LENGHT | + LED TYPE | + 3 OPTIONS

LENGTH

01 206 mm **08** 906 mm **09** 1006 mm **02** 306 mm **10** 2006 mm **03** 406 mm **04** 506 mm **11** 3006 mm **05** 606 mm **12** 4006 mm **06** 706 mm **13** 5006 mm

LED TYPE

RG RGB WW Warm white **CW** Cold white **DW** Dynamic white

OPTIONS

07 806 mm

A Active P Passive A In and out power and DMX cables and connectors

B In and out power and DMX cables

O Opaline diffuser T Transparent diffuser

ACCESSORIES





AL4487/2 IP67 POWER SUPPLY UNIT 120 W

FEATURES AND OPTIONS









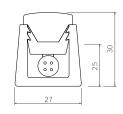
*VERSION WITH CONNECTORS

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BEAM ANGLE REFERENCE

ALL VERSIONS

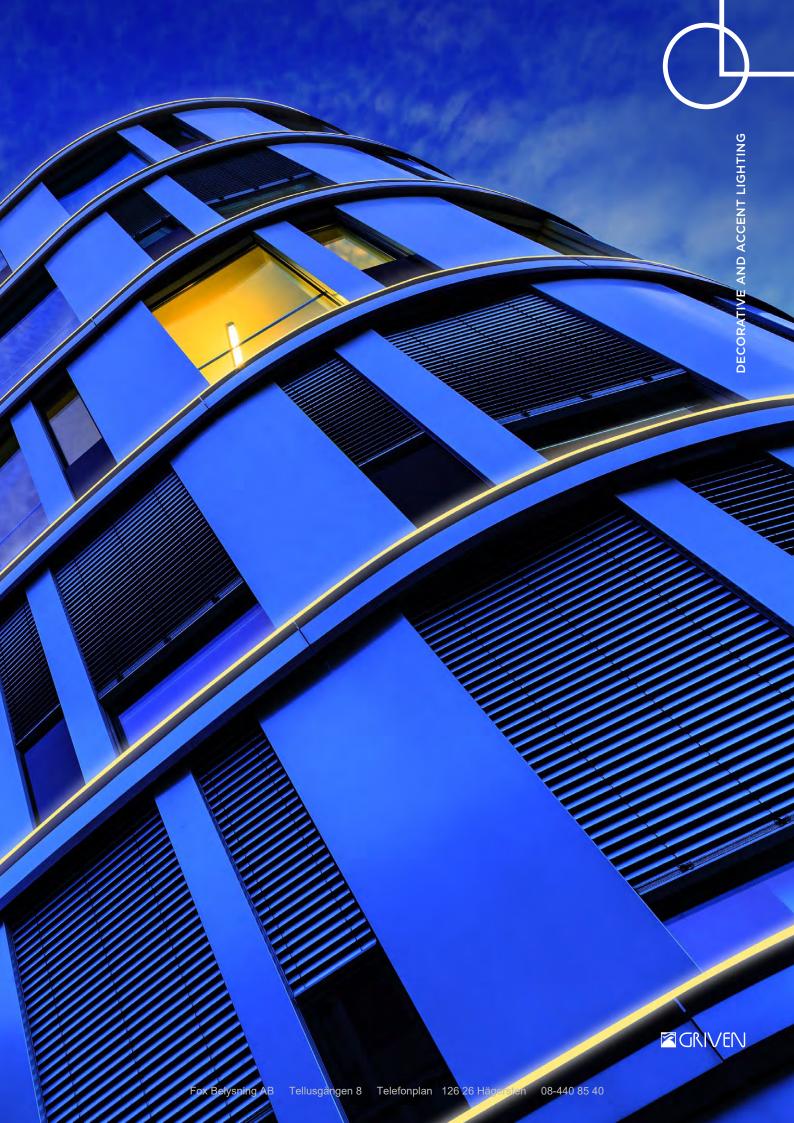
120°



PHOTOMETRIC DETAILS AVAILABLE ON OUR WEBSITE

MGRIVEN









Designed for specific applications on windowsills, EKLIPSE is an LED graphic light shaper, which highlights inner frames or outer edges of windows, balconies or repeating architectural elements, while designing appealing optical effects on buildings façades and creating boundless accent lighting solutions.



TECHNICAL SPECIFICATIONS

4 high brightness RGBW or white power LEDs unit
Continuously variable light intensity DMX mode
Remote firmware update (RFU)
RDM function (not available when on self-addressing mode)
Power supply:
48V DC
Power consumption:
0.2A @ 230V / 10W max
Electrical class: III
Meets CE safety standards

Aluminium body IP66 Operating temperature: -40°C to 50°C (-40°F to 122°F) 1 Kg



EKLIPSE

DECORATIVE AND ACCENT LIGHTING

CODES

AL4373 EKLIPSE

AL4373 EL RW CODE + OPTICS + LED TYPE + OPTION **OPTICS**

EL Elliptical

LED TYPE

RW RGBW **CW** Cold white **WW** Warm white **DW** Dynamic white

OPTION

S Self-adressing

RDM

ACCESSORIES







AL4405 01 ELECTRONIC DRIVER (with cables)



AL4424 01 START LINE BOX (with cables)



AL4425 01 REPOWER BOX (with cables)

FEATURES AND OPTIONS





















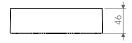


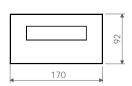


BEAM ANGLE REFERENCE

ELLIPTICAL

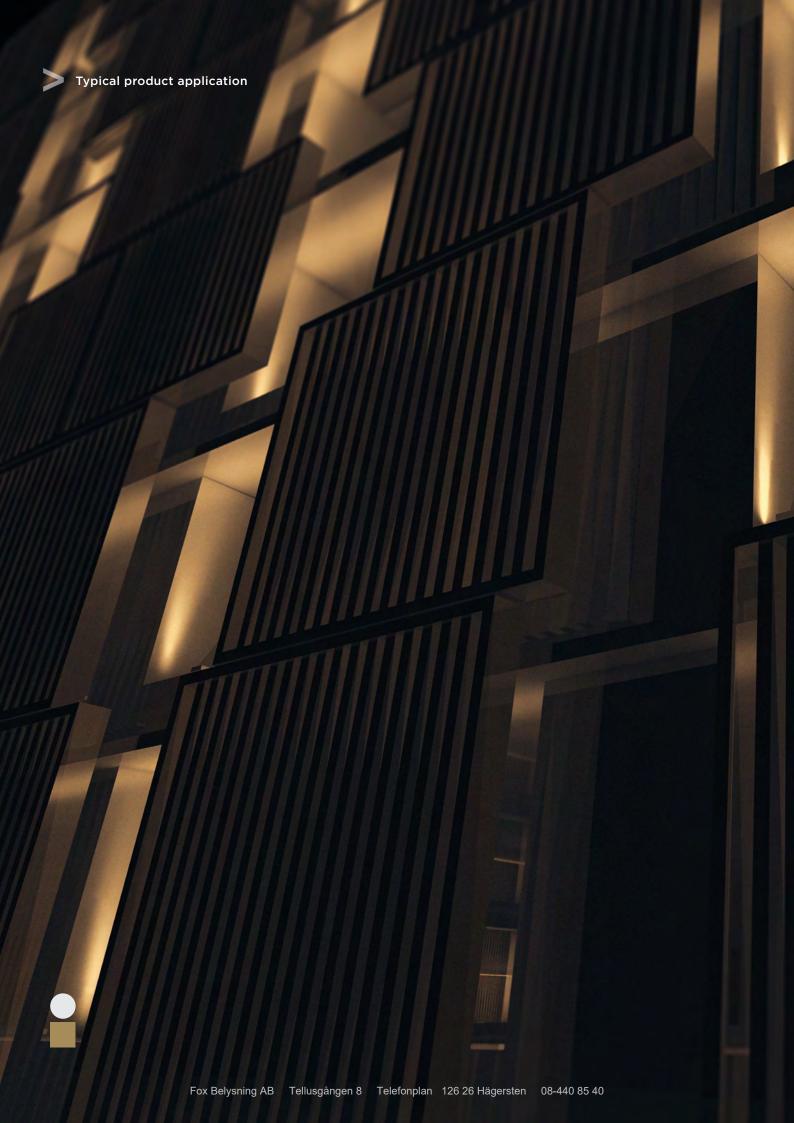
13°x127°





PHOTOMETRIC DETAILS AVAILABLE ON OUR WEBSITE

MGRIVEN









Featuring 12 or 24 LEDs and cubical or cylindrical housings, ORPHEO S and R are wall-mount diffusers whose single (downwards) or double (downwards and upwards) vertical light shafts provide elegant accent lighting effects. Digitally controlled RGBW, monochrome or white LEDs configurations, combined with different optics choices, give maximum chromatic adaptability. The double light shaft versions, on request, can feature independent LED and optics configurations combined with fully autonomous control of each LED cluster, enhancing absolute design flexibility. The integrated electronic driver guarantees comfortable set-up.



TECHNICAL SPECIFICATIONS

12 or 24 high brightness RGBW or white power LEDs unit DMX RDM function Self-addressing feature for digital data assignment with signal regeneration Power supply: 110÷240V / 50-60 Hz Power consumption: Single emission 0.17 A @230V / 18W max Double emission 0.33 A @230V / 36W max Electrical class: I Self-resetting fuse protection Meets CE safety standards

Extruded and die-cast aluminum housing IP66
Operating temperature:
-30°C to 50°C (-22°F to 122°F)
Orpheo R:
Single emission 3.8 Kg
Double emission 4.0 Kg
Orpheo S:
Single emission 4.0 Kg
Double emission 4.2 Kg
Easy Edition for budget restraint projects of

Easy Edition, for budget restraint projects where DMX, colour changing, and dimming options are not specified, available on request.



ORPHEO

DECORATIVE AND ACCENT LIGHTING

CODES

AL4860 ORPHEO S SINGLE EMISSION AL4862 ORPHEO S DOUBLE EMISSION

AL4864 ORPHEO R SINGLE EMISSION AL4866 ORPHEO R DOUBLE EMISSION

AL4860 OS RW

CODE + OPTICS | + LED TYPE

On request, Orpheo is available also in the EASY EDITION.

OPTICS

OS Spot **ON** Narrow **OM** Medium **ow** Wide

LED TYPE

RW RGBW **WW** Warm white **CW** Cold white **DW** Dynamic white Monochrome

FEATURES AND OPTIONS













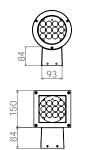


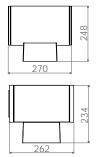


BEAM ANGLE REFERENCE

SPOT 12° NARROW MEDIUM 21° WIDE 43°

PHOTOMETRIC DETAILS AVAILABLE ON OUR WEBSITE













MULTIMEDIA PIXEL LIGHTING

Engineered for multimedia single pixel applications, these RGB, monochromatic or white light fixtures offer a broad choice of versatile solutions for the creation of dynamic, life inspirational visual concepts. A comprehensive range of fully weatherized LED surface mount and recessed modular single spot units and linear profiles, feature remote software update, self addressing assignment and instant, independent control over each pixel. Such technologically advanced products, with terrific application flexibility, can screen low resolution video files or graphic patterns, utterly transforming architectural spaces and, when combined with other media, generating a brand new interactive entertainment.







Fitted with a dome shaped 180° opaline diffuser for a sharp image rendition and an optimal peripheral visibility, this high brightness single pixel fixture can be easily assembled with other units of its kind to screen low resolution video files and graphic patterns. GRAPH-i-CELL can be integrated with the existing architecture or stage back drop while shaping a brand new outstanding ambience.



TECHNICAL SPECIFICATIONS

6 high brightness RGB, RGBW, white or monochrome power LEDs module Continuously variable light intensity DMX mode RDM function Self-addressing feature for digital data assignment with signal regeneration 20 modules per line maximum Remote firmware update (RFU) Luminance: 11200 cd/m2 Pixel pitch: 130 mm (minimum) Resolution: 49 pixel/m2 (maximum) Separate IP65 electronic driver box (AL2079 for

max. 20 units) 100÷277V / 50-60 Hz

LED module 48V DC

Power consumption:
13W maximum (1 module full RGB)
Electrical class: III
Meets CE and CSA safety standards
Aluminium and opaline polymer body
IP65
Operating temperature:
-30°C to 40°C (-22°F to 104°F)
LED module: 0.52 Kg
Electronic driver: 3.7 Kg



GRAPH-i-CELL

MULTIMEDIA PIXEL LIGHTING

CODES

AL4505 GRAPH-i-CELL RGB

AL4505 DO 01 S + OPTICS | + LED TYPE | + 2 OPTIONS

CODES

AL4506 GRAPH-i-CELL RGBW

AL4506 DO RW 01 S + OPTICS | + LED TYPE | + 2 OPTIONS CODE

On request, Graph-i-cell is available also in the CSA certified version.

OPTICS

DO Opaline dome

RG RGB CW Cold white

LED TYPE

WW Warm white

OPTIONS

02 In and out power and DMX connectors R RDM

S Self-addressing

OPTICS

DO Opaline dome

RW RGBW

LED TYPE

DW Dynamic white

OPTIONS

02 In and out power and DMX connectors R RDM

S Self-addressing

ACCESSORIES



AL4425 02 IP67 REPOWER BOX



AL4398

AL4196 GDATA INTERFACE



AL4405 02 IP67 ELECTRONIC DRIVER AL4418 LINE END CAP

1 m CONNECTION CABLE

2 m CONNECTION CABLE

3 m CONNECTION CABLE





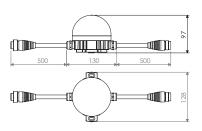
AL2090RT DMX TERMINATOR

FEATURES AND OPTIONS









GRIVENI









Graph-i-Core is a single pixel fixture equipped with a 180° dome-shaped opaline diffuser and in-built electronic driver. Its compact body, with full 360° orientation capability, is also available with adjustable bracket for comfortable surface mounting. Offering a sharp image rendition and an optimal peripheral visibility, Graph-i-Core can be easily assembled with other units of its kind to screen low resolution video files and graphic patterns.



TECHNICAL SPECIFICATIONS

3 high brightness RGB, white or monochromatic power LEDs module Continuously variable light intensity DMX mode

Self-addressing feature for digital data assignment with signal regeneration Max. distance between modules: 300m Remote firmware update (RFU)

Luminance: 2962 cd/m2
Pixel pitch: 130 mm (minimum)
Resolution: 49 pixel/m2 (maximum)

Power supply:

100÷240V VAC / 50-60 Hz Power consumption:

0.062A @ 230V / 5.6W (1 module at full intensity)

Electrical class: I
Meets CE safety standards
Aluminium and opaline polymer body
Standard adjustable mounting yoke included or
custom version on request
IP65
Operating temperature:
-25°C to 50°C (-13°F to 122°F)
Integrated electronic thermal protection
management

DIGITAL CONTROL SYSTEM SPECIFICATIONS AND CONFIGURATIONS AVAILABLE ON OUR WEBSITE



1 Kg

GRAPH-i-CORE

MULTIMEDIA PIXEL LIGHTING

CODES

AL2115 GRAPH-i-CORE

AL2115 RG

CODE + LED TYPE

LED TYPE

RG RGB **CW** Cold white **WW** Warm white

ACCESSORIES



AL4196 GDATA INTERFACE

FEATURES AND OPTIONS

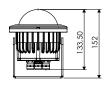










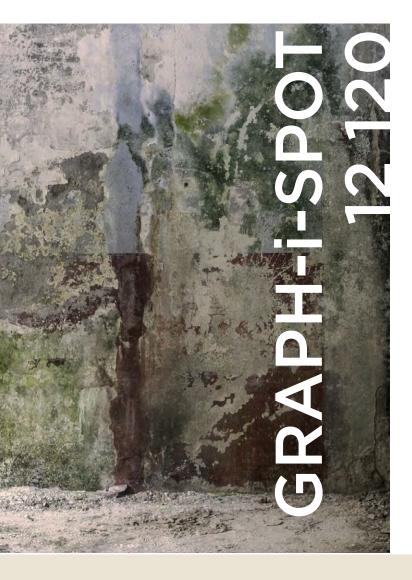














Available either with a spot or a dome shaped opaline diffuser, Graph-i-Spot is a super compact LED spot unit that can be easily assembled with other units of its kind to screen low resolution video files and graphic patterns. Graph-i-Spot can easily blend with outdoor and indoor environments, getting integrated with the existing architecture or stage backdrop while shaping a brand new outstanding ambience.



TECHNICAL SPECIFICATIONS

white or monochrome LED module Continuously variable light intensity DMX remote control 16 modules per line maximum Remote firmware update (RFU) Pixel pitch: 70 mm (minimum) Resolution: 196 pixel/m2 (maximum) Luminance: Graph-i-Spot 12 600,000 cd/m2 Graph-i-Spot 120 77,000 cd/m2 Self-addressing feature for digital data assignment with signal regeneration IP65 separate electronic driver powering up to 16 units maximum (AL2118) Power supply: Electronic driver 100÷277VAC / 50-60Hz

1 high brightness RGB power full colour,

LED module 24V DC Power consumption: RGB 6W maximum (1 module at full intensity) W 3.5W maximum (1 module at full intensity) Electrical class: III Meets CE safety standards Anodized aluminium and glass (Graph-i-Spot 12) Anodized aluminium and polycarbonate (Graph-i-Spot 120 - standard with opaline optics, on request with transparent optics) **IP65** Separate transformer box: IP67 Operating temperature: -40°C to 50°C (-40°F to 122°F) Graph-i-Spot 12: 0.22 Kg Graph-i-Spot 120: 0.20 Kg Electronic driver: 1.9 Kg



GRAPH-i-SPOT 12 120

CODES

AL2010 GRAPH-i-SPOT 12 RGB AL2070 GRAPH-i-SPOT 12 CW AL2071 GRAPH-i-SPOT 12 WW

AL2011 GRAPH-i-SPOT 120 RGB AL2072 GRAPH-i-SPOT 120 CW AL2074 GRAPH-i-SPOT 120 WW

NOTES

Each Graph-i-Spot must always be purchased with power and data connection cables.

ACCESSORIES





FC RGB WW CW M







FEATURES AND OPTIONS







 AL2013
 0,5 m CONNECTION CABLE

 AL2012
 1 m CONNECTION CABLE

 AL2015
 2 m CONNECTION CABLE

 AL2017
 3 m CONNECTION CABLE

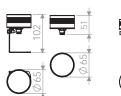
 AL2019
 10 m CONNECTION CABLE

CE C PENDING

GRAPH-i-SPOT 12



GRAPH-i-SPOT 120

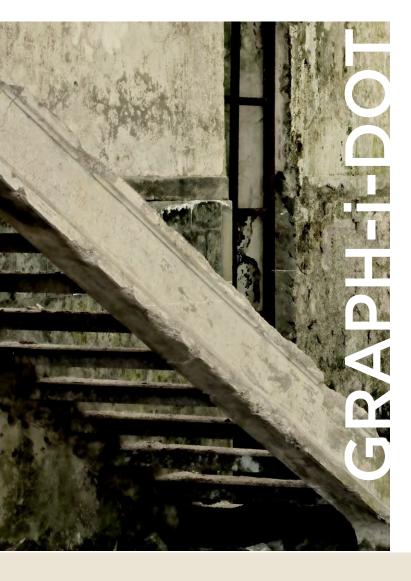


SGRIVEN

PHOTOMETRIC DETAILS AVAILABLE ON OUR WEBSITE



GRIVEN





GRAPH-i-DOT is an ultra compact module fitted with 5 mid-power LEDs, available either with a transparent dome, for ultra luminous spot light performances, or with a 180° diffusing opaline dome for an even better peripheral visibility. Supplied in chains of 85 units each, Graphi-DOT is the ideal solution to screen low resolution video files and graphic patterns and can be run, alternatively to DMX RDM control, via GData (Griven protocol).



TECHNICAL SPECIFICATIONS

5 mid-power, RGB, white or monochrome LEDs module

Continuously variable light intensity

DMX, RDM or GData (2048 Ch) remote control

85 modules per line maximum Remote firmware update (RFU) Pixel pitch: 100 mm (minimum)

Resolution: 100 pixel/m² (maximum)

Luminance: 70,000 cd/m²

IP65 separate electronic driver powering

up to 85 modules maximum

Power supply:

Electronic driver 100÷277V / 50-60Hz

LED module 24V DC Power consumption:

1.5 W (max intensity)
Electrical class: III
Meets CE safety standards
ABS body with opaline dome (standard)
or transparent dome (on request)
IP65
Operating temperature:
-30°C to 50°C (-22°F to 122°F)
Unit: 0.15 Kg

Electronic driver: 1.7 Kg



GRAPH-i-DOT

MULTIMEDIA PIXEL LIGHTING

CODES

AL4700 GRAPH-i-DOT

AL4700 DO RG

CODE + OPTICS + LED TYPE

NOTES

Graph-i-dot is supplied in batches of 85 units each.

OPTICS

DO Opaline dome FC Clear flat diffuser

LED TYPE

RG RGB **CW** Cold white **WW** Warm white

DW Dynamic white

ACCESSORIES









AL4701 IP65 START LINE BOX AL2118 IP67 ELECTRONIC DRIVER



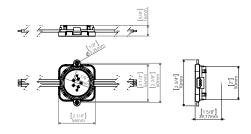






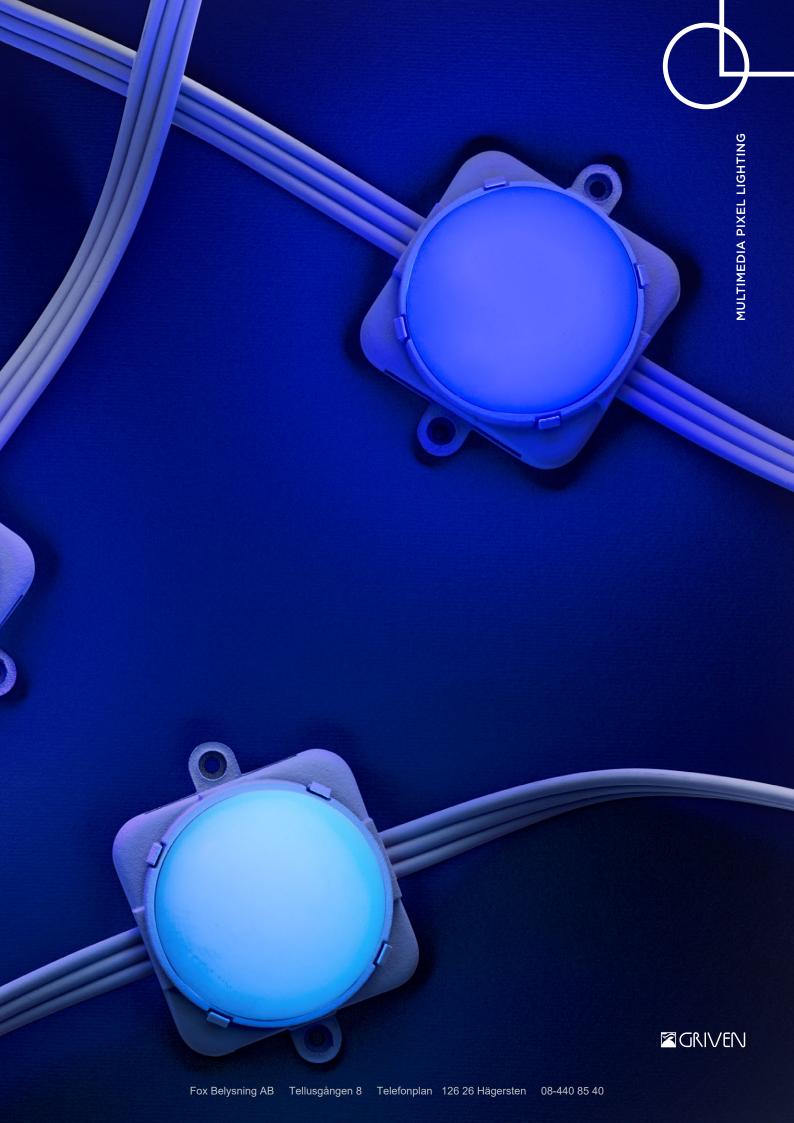


AL2013 0,5 m CONNECTION CABLE AL2012 1 m CONNECTION CABLE
AL2015 2 m CONNECTION CABLE AL2017 3 m CONNECTION CABLE AL2019 10 m CONNECTION CABLE











Graph-i-Line 20 and 40 enable an endless layout of patterns and graphics display with an optimal pixel resolution. These very high impact waterproof LED bars, featuring integrated driver, are capable of reproducing almost any visual concept, screening video-footage or displaying a boundless layout of graphic patterns. The independent control of each LED is enhanced by a choice of either a clear or an opaline diffuser for a direct view optical selection.



TECHNICAL SPECIFICATIONS

20 or 40 high brightness, independent, RGB full colour LEDs unit Continuously variable light intensity Pixel pitch: 25x40 mm (minimum) Resolution: 1600 pixel /m2 (maximum) DMX remote control Remote firmware update (RFU) Self-addressing feature for digital data assignment with signal regeneration Powers upply: 48Vdc Power consumption: 18W/m Power chain max: 32 Graph-i-Line 20 with 320W power supply (AL4405 02) 16 Graph-i-Line 40 with 320W power supply (AL4405 02)

Electrical class: III
Meets CE and CSA safety standards
Extruded aluminium body and PC opaline
or transparent tube with UV protection
IP66
Operating temperature
-40°C to 50°C (-40°F to 122°F)
Integrated electronic thermal protection
management



GRAPH-i-LINE

MULTIMEDIA PIXEL LIGHTING

CODES

AL4375 GRAPH-I-LINE 20 AL4376 GRAPH-I-LINE 40

AL4375 DO RG

CODE + OPTICS + LED TYPE

NOTES

On request, Graph-i-line is available also in the CSA certified version.

OPTICS

DO Opaline dome DC Clear dome

LED TYPE

RG RGB

ACCESSORIES

AL4196 GData INTERFACE



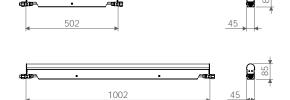
AL4418 LINE END CAP

AL4396 1 m CONNECTION CABLE
AL4397 2 m CONNECTION CABLE
AL4398 10 m CONNECTION CABLE
AL4399 10 m CONNECTION CABLE

FEATURES AND OPTIONS







SGRIVEN









PARADE GRAPHIC 20 and 40 are powerful LED modules, consisting respectively of 20 and 40 independent high brightness LEDs, that enable an endless layout of patterns and graphics displays reproducing almost any visual concept. Fitted with tempered opaline glass and featuring integrated electronic driver, more modules of PARADE GRAPHIC 20 and 40 can comfortably be set up for a uniform visual pattern layout.



TECHNICAL SPECIFICATIONS

20 or 40 high brightness independent, RGB full-colour LEDs units Continuously variable light intensity DMX remote control Remote firmware update (RFU) Self-addressing feature for digital data assignment with signal regeneration Plug-and-play unit IP67 power and DMX input and output connectors included Pixel pitch: 25 x 176 mm (minimum) Resolution: 240 pixel/m2 (maximum) Power supply: 100÷277V / 50-60Hz Power consumption: Parade Graphic 20 0.05A @ 230V / 10W Parade Graphic 40 0.1A @ 230V / 20W
Electrical class: I
Self-resetting fuse protection
Meets CE safety standards
Extruded aluminium body
with tempered opaline glass
IP67
Operating temperature:
Parade Graphic 20: -30°C to 45°C (-22°F to 113°F)
Parade Graphic 40: -40°C to 50°C (-40°F to 122°F)
Integrated electronic thermal
protection management
Parade Graphic 20: 4 Kg
Parade Graphic 40: 6.5 Kg



PARADE GRAPHIC 20 40

MULTIMEDIA PIXEL LIGHTING

CODES

AL4071 PARADE GRAPHIC 20 AL4073 PARADE GRAPHIC 40

AL4071 DO RG CODE + OPTICS + LED TYPE

OPTICS

DO Opaline dome **DC** Clear dome

LED TYPE

RG RGB

ACCESSORIES









FEATURES AND OPTIONS













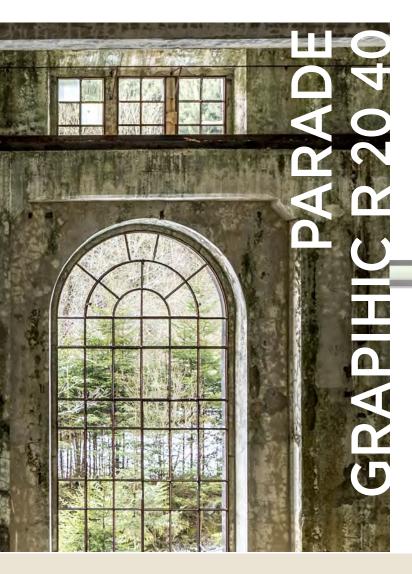












Featuring 20 or 40 independent RGB full-colour LEDs, compact size, light weight manageability and integrated electronic driver, PARADE GRAPHIC R 20 and 40 are recessed LED modular bars capable of reproducing almost any visual concept. Fitted with tempered heavy diffused glass, more modules can comfortably be set up for in-ground use in pedestrian areas for single pixel colour chase rainbow effects, as well as for uniform motionless colour tones, in favour of much more dynamic and eye-catching neighbourhood and instant landscape identification.



TECHNICAL SPECIFICATIONS

20 or 40 high brightness independent, RGB full-colour LEDs units Continuously variable light intensity DMX remote control Remote firmware update (RFU) Self-addressing feature for digital data assignment with signal regeneration Plug-and-play unit IP67 power and DMX input and output connectors included Pixel pitch: 25 mm (minimum) Power supply: 90÷277V / 50-60Hz Power consumption: Parade Graphic R 20 0.05A @ 230V / 10W Parade Graphic R 40 0.1A @ 230V / 20W

Electrical class: I
Self-resetting fuse protection
Meets CE safety standards
Extruded aluminium body with tempered opaline
glass
AISI 304 stainless steel walk-on flange
AISI 304 stainless steel formwork included
IP67
Operating temperature:
-30°C to 50°C (-22°F to 122°F)
Integrated electronic thermal protection
management
Parade Graphic R 20: 6 Kg
Parade Graphic R 40: 9 Kg



MULTIMEDIA PIXEL LIGHTING

PARADE GRAPHIC R 20 40

CODES

AL4078 PARADE GRAPHIC R 20 AL4076 PARADE GRAPHIC R 40

ACCESSORIES







AL4196 GData INTERFACE





1 m CONNECTION CARLE AL2631 AL2632 2 m CONNECTION CABLE 3 m CONNECTION CABLE AL2633 5 m CONNECTION CABLE
AL2634 10 m CONNECTION CABLE

FEATURES AND OPTIONS







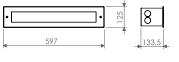






















MOLED GRAPHIC is a high impact LED linear profile for in-ground use outdoors and indoors, available either with 20 or 40 independent RGB full-colour LEDs, that can enable an endless layout of patterns and graphics displays. Featuring extremely compact size, lightweight manageability and in-built electronic driver, MoLED GRAPHIC is equipped with 19 mm thick tempered glass and AISI 316L stainless steel housing. This special housing is further strengthened by a special micro shot-peening treatment, which makes the surface more homogeneous and shock-resistant.



TECHNICAL SPECIFICATIONS

20 or 40 high brightness independent, RGB full-colour LEDs modules
Continuously variable light intensity
DMX remote control
Remote firmware update (RFU)
Self-addressing feature for digital data assignment with signal regeneration
Power supply:
48V DC
Power consumption:
18W/m
Power chain max:
16 Moled Graphic 20 with 185W power supply (AL4450)
8 Moled Graphic 40 with 185W power supply (AL4450)

Electrical class: III
Meets CE safety standards
Stainless steel housing and formwork
IP67
Operating temperature:
-40°C to 50°C (-40°F to 122°F)
MoLED Graphic 20: 4.3 Kg (formwork included)
MoLED Graphic 40: 8.6 Kg (formwork included)



MOLED **GRAPHIC**

MULTIMEDIA PIXEL LIGHTING

CODES

AL4367 MOLED GRAPHIC 20 AL4368 MOLED GRAPHIC 40

AL43671 GO RG

CODE + OPTICS + LED TYPE **OPTICS**

LED TYPE

GO Opaline glass

RG RGB

ACCESSORIES











AL4453 LINE END CAP





AL4196 GData INTERFACE



AL4454 FORMWORK END CAP

 AL2013
 0,5 m CONNECTION CABLE

 AL2012
 1 m CONNECTION CABLE

 AL2015
 2 m CONNECTION CABLE

 AL2017
 3 m CONNECTION CABLE

AL2019 10 m CONNECTION CABLE

FEATURES AND OPTIONS



















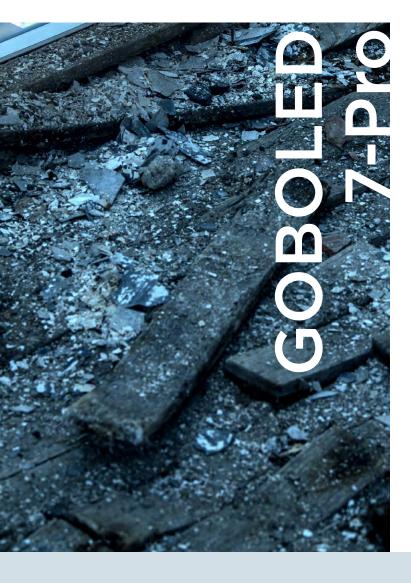




IMAGE PROJECTION

This series offers manifold solutions to the most demanding application requirements in the global market of display projection. Company logos, promotional campaigns, graphic designs or decorative patterns can be easily projected, with a bright and accurate rendition, onto surfaces of almost any kind in the most diverse permanent outdoor and indoor locations. Packed with groundbreaking LED technology, a broad choice of assorted light output capabilities and beam angle apertures, besides multiple effects and patterns, these IP65 rated image projectors offer maximum versatility, flexibility and dynamism to the most creative light planning integration.







Packed with multiple effects and patterns, GOBOLED 7-PRO offers broad creative design integration for permanent exterior installations. Fitted with one high power LED, this image projector delivers a bright and accurate rendition of graphic designs or logos in outdoor and indoor locations.



TECHNICAL SPECIFICATIONS

1 high brightness power 6500K LED unit Linear 0-100% dimmer function RDM function DMX, automatic and Master-Slave mode 12 DMX channels Strobe function (27.7 FPS max) Electronic blackout Motorized focus 7 rotating gobos + white (Ø 27/22 mm), 16 bit indexing 4 fixed gobos plus animation effect + white 8 colours + white 3 prisms with variable rotation (3 - 8 facets and 3D effect) Pulsation effect

Power supply:
110÷240V / 50-60Hz
Power consumption:
230W max
Electrical class: I
Meets CE safety standards
Aluminium body with an adjustable mounting yoke
IP66
Front glass: IK07
Operating temperature:
-30°(-22°F) to 50°C (122°F)
Integrated electronic thermal protection management
20 Kg



IMAGE PROJECTION

GOBOLED 7-Pro

CODES

AL5160 GoboLED 7-Pro

AL5161 11° Optics AL5162 20° Optics AL5163 31° Optics

NOTES

GoboLED 7-Pro must be purchased with at least one of the above mentioned optics.

ACCESSORIES



AL0250 SAFETY CABLE

PRODUCT FEATURES

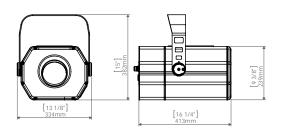




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BEAM ANGLE REFERENCE

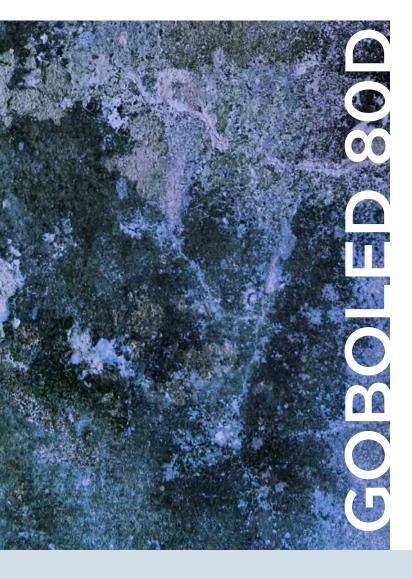
PROJECTION ANGLE 11°÷ 31°



MGRIVEN









Projecting a bright and accurate rendition of graphic designs, logos and patterns in outdoor and indoor locations with the help of a dichroic or metal gobo, the versatile image projector GOBOLED 80 D, fitted with a single powerful LED, provides maximum creativity, dynamism and flexibility for the most demanding design and application requirements.



TECHNICAL SPECIFICATIONS

1 high brightness 80W power LED unit Manual adjustment of focus and linear zoom (20°÷32°)
Linear 0-100% dimmer function
Strobe function (25 FPS max)
Electronic blackout
One rotating gobo slot hosts either metal or glass gobos (Ø ext. 53.3 - Ø int. 40 mm)
One dichroic filter can also be used in combination with a metal gobo
DMX, automatic and Master-Slave mode Power supply:
100÷240V / 50-60Hz

Power consumption: 100W max Electrical class: I Meets CE and CSA safety standards Aluminium body with an adjustable mounting yoke Projector: IP65 Cooling system: IP55 Operating temperature: -20°C to 40°C (-4°F to 104°F) 8.7 Kg





CODES

AL2502 GOBOLED 80 D

NOTES

On request, GoboLED 80D is available also in the CSA certified version.

ACCESSORIES



GR0250 SAFETY CABLE

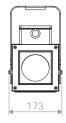
PRODUCT FEATURES

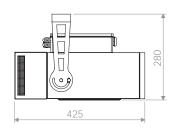




BEAM ANGLE REFERENCE

PROJECTION ANGLE 20°÷ 32°









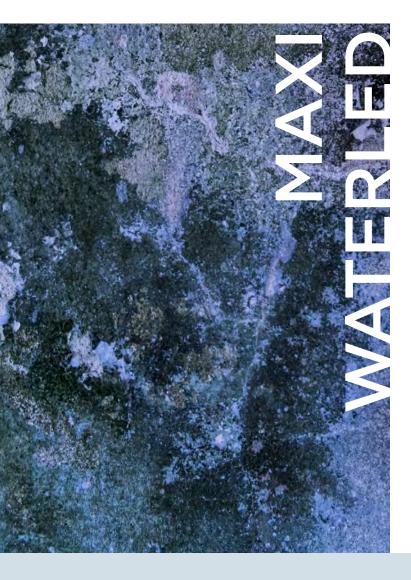


WATER FEATURES LIGHTING

Specifically designed for water features use, these avant-garde LED light fittings perfectly fulfill the latest market demand with capturing performances. With Full Dry IP68 rating and AISI 316L stainless steel housings, these submerged fixtures are the ideal choice for trustworthy and durable installation in fountains, waterfalls, reflecting pools and for many other underwater applications, even in chlorine water and marine environment. Available in colour changing, white and monochromatic LEDs configurations, these products combine extraordinary luminous efficiency with wide optics selection for the most versatile design solutions, assured also by the different wattage, compactness and weight featured by the various models.









MAXI WATERLED provides an astonishingly performing light output capable of enhancing wide scale underwater applications. With its AISI 316L stainless steel housing, it relies upon an IP68 protection rating and is the ideal choice for a huge variety of submerged installations even in chlorine water and marine environment. Its extraordinary luminous efficiency does not compromise environmentally friendly consumption rates.



TECHNICAL SPECIFICATIONS

48 high brightness RGBW or white power LEDs unit

Continuously variable light intensity

DMX, automatic and Master/Slave mode
Remote firmware updade (RFU)
Power supply:

IP20 separate transformer 100÷240V / 50-60Hz
IP65 separate transformer 100÷277V / 50-60Hz
Main unit 12V
Separate transformer box powering up to 4 units
Power consumption:

Different cable leng Separate transformer self-resetting fuse powers powers

Different cable lengths available on request Separate transformer featuring self-resetting fuse protection Meets CE safety standards Stainless steel body (AISI 316L) IP20 and IP65 aluminium separate transformer boxes Separate transformers: IP20 / IP65 Full 360° orientability Main unit: IP68 -3m Operating temperature: -20°C to 35°C (-4°F to 95°F) Main unit: 4.2 Kg





CODES

AL3900/10/20 MAXI WATERLED RGBW/CW/WW SPOT AL3901/11/21 MAXI WATERLED RGBW/CW/WW NARROW AL3902/12/22 MAXI WATERLED RGBW/CW/WW MEDIUM AL3903/13/23 MAXI WATERLED RGBW/CW/WW WIDE AL3904/14/24 MAXI WATERLED RGBW/CW/WW EXTRA WIDE AL3905/15/25 MAXI WATERLED RGBW/CW/WW ELLIPTICAL AL3906/16/26 MAXI WATERLED RGBW/CW/WW ELLIPTICAL WIDE

ACCESSORIES



AL3981 IP65 transformer and addressing box for RGBW models (4 units max) (320x280x153 mm) AL3983 IP65 transformer box for W models (4 units max) (320x280x153 mm)



AL3984 IP20 transformer and addressing box for RGBW models (4 units max) (304 x 243 x 94 mm) AL3986 IP20 transformer and addressing box for W models (4 units max) (304 x 243 x 94 mm)

FEATURES AND OPTIONS











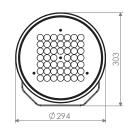






BEAM ANGLE REFERENCE

SPOT 6° NARROW 11° MEDIUM 19° WIDE 44° EXTRA WIDE 68° **ELLIPTICAL** 10°x40° ELLIPTICAL WIDE 20°x38°

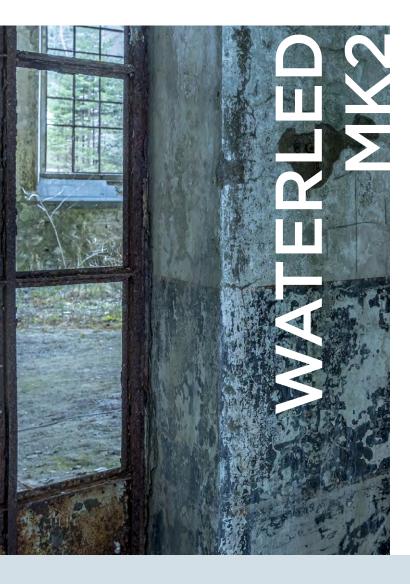














To be used in large to medium sized water features, WATERLED MK2, with its AISI 316L stainless steel housing, relies upon an IP68 protection rating and is the ideal choice for a huge variety of lighting installations even in chlorine water and marine environment. The extraordinary luminous efficiency of this fixture does not compromise environmentally friendly consumption rates.



TECHNICAL SPECIFICATIONS

18 high brightness RGB or white power LEDs unit
Continuously variable light intensity
DMX, automatic and Master/Slave mode
Remote firmware update (RFU)
Power supply:
separate transformer 100÷240V / 50-60Hz
main unit 12V
Separate transformer box powering
up to 4 units
Power consumption:
52W max (1 unit) at full intensity
Electrical class: III
10 m power supply and digital
data cable included

Different cable lengths available on request Separate transformer featuring self-resetting fuse protection Meets CE safety standards Stainless steel body (AISI 316L) Anodized aluminium heat dissipation element Aluminium separate transformer box Full 360° orientability Main unit: IP68 -3m Separate transformer: IP20/IP65 Operating temperature: -20°C to 35°C (-4°F to 95°F) Main unit: 4.5 Kg Separate transformer: 3.7 Kg

DIGITAL CONTROL SYSTEM SPECIFICATIONS AND CONFIGURATIONS AVAILABLE ON OUR WEBSITE





CODES

AL3341/AL3490/AL3494 WATERLED MK2 RGB/CW/WW SPOT AL3340/AL3351/AL3355 WATERLED MK2 RGB/CW/WW NARROW AL3342/AL3352/AL3356 WATERLED MK2 RGB/CW/WW MEDIUM AL3344/AL3353/AL3357 WATERLED MK2 RGB/CW/WW WIDE AL3346/AL3354/AL3358 WATERLED MK2 RGB/CW/WW ELLIPTICAL

ACCESSORIES



AL3350 IP65 transformer box for RGB models (4 units max) (303 x 260 x 102 mm) **AL3359** IP65 transformer for W models (4 units max) (303 x 260 x 102 mm)



AL3368 IP20 transformer and addressing box for RGB models (4 units max) AL3369 IP20 transformer and addressing box for W models (4 units max)

FEATURES AND OPTIONS















BEAM ANGLE REFERENCE

 SPOT
 6°

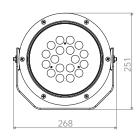
 NARROW
 11°

 MEDIUM
 19°

 WIDE
 44°

 ELLIPTICAL
 24°×58°

PHOTOMETRIC DETAILS AVAILABLE ON OUR WEBSITE

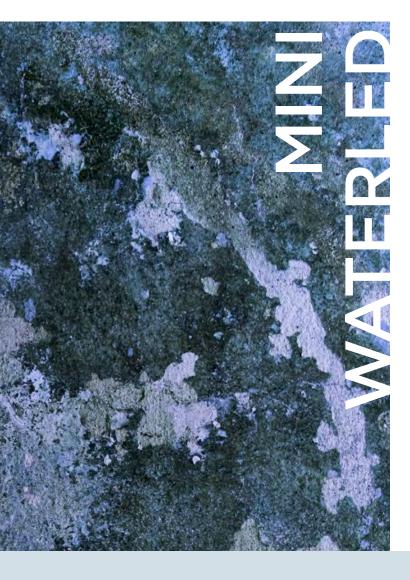














Small-size fountains and waterfalls, as well as reflecting pools, are the ideal applications for the compact marine-grade MINI WATERLED, whose heavy-duty AISI 316L stainless steel body hosts nine high power LEDs. The superior lumens life assisted by the on-board electronic thermal management exceeds the industry standards lifetime and the certified IP68 Class III rating defines the virtually maintenance free performance.



TECHNICAL SPECIFICATIONS

9 high brightness RGB or white power LEDS unit
Continuously variable light intensity
DMX, automatic and Master/Slave mode
Remote firmware update (RFU)
Power supply:
Separate transformer 100÷240V / 50-60Hz
Main unit 12V
Separate transformer powering up to 6 units
Power consumption:
18W max (1 unit) at full intensity
Electrical class: III
10 m power supply and digital
data cable included
Different cable lengths available on request

Separate transformer featuring self-resetting fuse protection Meets CE safety standards Stainless steel body (AISI 316L)
Anodized aluminium heat dissipation element Aluminium separate transformer box Full 360° orientability
Main unit: IP68 -3m
Separate transformer: IP65
Operating temperature:
-20°C to 35°C (-4°F to 95°F)
Main unit: 4.7 Kg

Separate transformer: 3.7 Kg

DIGITAL CONTROL SYSTEM SPECIFICATIONS AND CONFIGURATIONS AVAILABLE ON OUR WEBSITE





CODES

AL2420/37/43 MINI WATERLED RGB/CW/WW SPOT AL2421/38/44 MINI WATERLED RGB/CW/WW NARROW AL2422/39/45 MINI WATERLED RGB/CW/WW MEDIUM AL2424/40/46 MINI WATERLED RGB/CW/WW WIDE AL2429/98/99 MINI WATERLED RGB/CW/WW EXTRA WIDE AL2426/41/47 MINI WATERLED RGB/CW/WW ELLIPTICAL AL2427/42/48 MINI WATERLED RGB/CW/WW ELLIPTICAL WIDE

ACCESSORIES



AL2428 IP65 transformer box for RGB models (6 units max) (303x249x98 mm)



AL2449 IP65 transformer box for W models (6 units max) (303x243x98 mm)

FEATURES AND OPTIONS









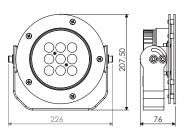




BEAM ANGLE REFERENCE

SPOT NARROW 11° MEDIUM 21° WIDE 44° EXTRA WIDE 68° **ELLIPTICAL** 9°X41° ELLIPTICAL WIDE 20°X38°

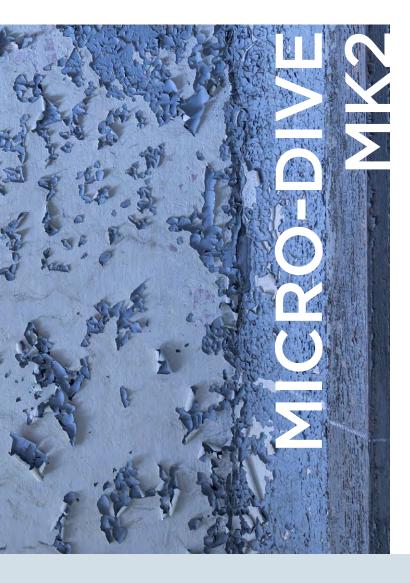
PHOTOMETRIC DETAILS AVAILABLE ON OUR WEBSITE













Featuring a full dry protection rating, MICRO-DIVE MK2 is an extremely compact full colour LED fixture specifically designed for underwater applications, such as small fountains, reflecting pools or water games. Low power consumption, long life light source, light weight and compact size are some of the bonuses that grant superior performance, extreme durability and ease of installation.



TECHNICAL SPECIFICATIONS

RGB VERSIONS

3 high brightness RGB full colour power LEDs units
Continuously variable light intensity
DMX, automatic and Master/Slave mode
Power supply (separate transformer box):
100÷240V / 50-60Hz
Power consumption:
RGB 10.8W per unit
Electrical class: III
Separate transformer featuring
self-resetting fuse protection
Meets CE safety standards
DMX LED driver AL1861 powering up to 4 units,

even independently (100÷240V / 50-60Hz)
Full 360° orientation capability with adjustable bracket for surface mounting
Stainless steel (AISI 316L)
IP68 -2m
Separate transformer box: IP65
Operating temperature:
-20°C to 40°C (-4°F to 104°F)
1.6 Kg
Separate transformer box: 4.2 Kg

DIGITAL CONTROL SYSTEM SPECIFICATIONS AND CONFIGURATIONS AVAILABLE ON OUR WEBSITE

WHITE LIGHT VERSIONS

3 high brightness white power LEDs unit
Power supply: 100÷240VAC / 50-60Hz
7.2W per unit with separate transformer box
Electrical class: III
Sep. transformer featuring
self-resetting fuse protection
Meets CE safety standards
IP20 separate transformer AL1458 operating at
100÷240V (1 unit Micro-Dive W MK2)
IP65 separate transformer AL3083 at 100÷240V

(2 units Micro-Dive W MK2)
Full 360° orientation capability with
adjustable bracket for surface mounting
Stainless steel (AISI 316L)
IP68 -2m
Outdoor separate transformer boxes: IP65
Operating temperature:
-20°C to 40°C (-4°F to 104°F)
1.6 Kg
Outdoor separate transformer (AL3083): 1.4 Kg

MICRO-DIVE

CODES

AL2680 MICRO-DIVE MK2 RGB NARROW AL2682 MICRO-DIVE MK2 RGB MEDIUM AL2684 MICRO-DIVE MK2 RGB WIDE

AL2694/86 MICRO-DIVE MK2 CW/WW SPOT AL2696/88 MICRO-DIVE MK2 CW/WW NARROW AL2697/90 MICRO-DIVE MK2 CW/WW MEDIUM AL2698/92 MICRO-DIVE MK2 CW/WW WIDE AL2699/93 MICRO-DIVE MK2 CW/WW EXTRA WIDE AL2691/87 MICRO-DIVE MK2 CW/WW ELLIPTICAL AL2695/89 MICRO-DIVE MK2 CW/WW ELLIPTICAL WIDE

ACCESSORIES



AL1861 IP65 SEPARATE TRANSFORMER BOX



AL1458 IP20 SEPARATE TRANSFORMER 220÷240V Size 165x40x25 mm (for WHITE versions)

FEATURES AND OPTIONS













-2m

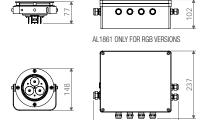
AL3083 IP65 SEPARATE TRANSFORMER BOX 90÷120V Size 219x191x102 mm (for WHITE versions)



BEAM ANGLE REFERENCE

RGB		WHITE LIGHT		
NARROW	14°	SPOT	7°	
MEDIUM	28°	NARROW	11°	
WIDE	40°	MEDIUM	20°	
		WIDE	38°	
		EXTRA WIDE	68°	
		ELLIPTICAL	10°X39°	
		ELL. WIDE	20°X38°	

PHOTOMETRIC DETAILS AVAILABLE ON OUR WEBSITE













PROTECTION DEGREE

Definition of Ingress Protection (in accordance with the European regulation standard EN 60 598-1)

IP20

The classification of the protection degree specifies the resistance against the ingress of solids and liquids.

IP20

The first digit indicates the protection against penetration by dust and solid objects.

IP20

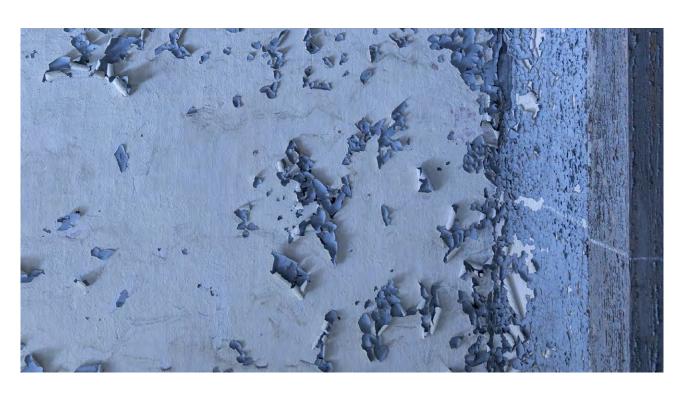
The second digit indicates the protection against infiltration by moisture and liquids.

IP**2**0

- O No protection
- 1 Protected against ingress from large solid bodies \geq 50 mm in Ø
- 2 Protected against ingress of medium sized solid foreign bodies ≥ 12 mm in Ø
- 3 Protected against ingress of small solid foreign bodies thicker than \geq 2.5 mm in Ø
- 4 Protected against ingress of small solid foreign bodies thicker than ≥ 1 mm in Ø
- 5 Protected against ingress of harmful amounts of dust
- 6 Complete protection against dust

IP2**0**

- O No protection
- 1 Protected against drops of liquid that fall vertically
- 2 Protected against drops of liquid that fall with a maximum inclination of 15°
- 3 Protected against drops of liquid that fall with a maximum inclination of 60°
- 4 Protected against water sprays from any direction having no harmful effect
- 5 Protected against water jets from any direction
- 6 Protected against heavy downpours or powerful water jets
- 7 Protected against the effects of immersion in water
- 8 Protected against indefinite submersion



COLOUR RENDERING INDEX (CRI)



The colour rendering index (CRI) is a quantitative measure of the ability of a light source to reproduce the colours of various objects faithfully in comparison with an ideal or natural light source.

6300K Cold White - typical CRI: 70 3000K Warm White - typical CRI: 80

LEDs featuring a higher index (CRI>80, CRI>85 and CRI90) are available on request.

CLASSIFICATION AND HOMOLOGATION

Class I

Fixtures that offer insulation class I provide protection against electrical shock solely using the base insulation and the safe connection of all exposed conductive parts to an earth conductor.



Class II

Fixtures in which protection against electrical shock does not rely on basic insulation only, but in which additional safety precautions such as double insulation or reinforced insulation are provided, being there no provision for protective earthing or reliance upon installation conditions.



Class III

Fixtures in which protection against electrical shock relies on supply at Safety Extra Low Voltage (SELV) and in which voltages higher than those of SELV are not generated.



The CE mark is the European regulation governing all products that are introduced to the market. The products that appear in this catalogue are built in compliance with the European Standard EN 60 598-1 and the European Directives CE 89/336 and CE 92/31 for electromagnetic compatibility and CE 73/23 for low voltage.

RoHS

All the products contained in this catalogue comply with the directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment 2002/95/EC, commonly referred to as the Restriction of Hazardous Substances directive (RoHS), and with the Waste Electrical and Electronic Equipment directive (WEEE) 2002/96/EC, which sets collection, recycling and recovery targets for electrical goods.



This marking means that the product is certified by CSA International, for both the U.S. and Canadian markets, to the applicable U.S. and Canadian standards.



PHOTOMETRIC DATA CALCULATION

LIGHTING DESIGN TABLES AND GRAPHICS

Lighting appliances are characterized for lighting engineering purposes by a series of tables and graphics that describe their characteristics from the point of view of their luminous emission.

INTERNATIONAL CLASSIFICATIONS

The classifications represent different ways of classifying luminaires according to their luminous emission.

The table shows 4 different classifications:

- CIE (Recommendation n.52)
- DIN 5040 (German Norm) (example A60)
- UTE C 71-121 (French Norm) (example 0.65A + 0.00T)
- NBN L 14-002 (Belgian Norm method BZ) (example BZ2)

PHOTOMETRIC TABLE

The photometric table shows the values of luminous intensity in cd/klm measured around the luminaire. The luminaire is located at the centre of a sphere of a suitable diameter. Generally the luminous intensities are calculated with the inverse square distance formula at defined angular distances, which are not normally constant. Take a luminaire, for example with a fluorescent lamp, with downward dark light emission (there is no lateral emission), we can define the luminous area as the area from which the light emits and the luminous axis. The axis is obviously vertical, perpendicular to that area which passes through the meeting point (luminous centre) of the diagonals of the luminous area.

At this point, placing the photoelectric cell of an illuminance meter on the luminous axis at a given distance from the luminaire we can determine the first value corresponding to Gamma = 0°. Now take a half-plane coming from the luminous axis and directed transversally towards the luminaire lamps; we can call the half-plane C-0°. This half-plane constitutes the starting point of the other half-planes situated all around the luminous axis.

Moving the photoelectric cell along the C-0° half-plane with constant angular step, for example every 5° , in each position we obtain a new reading generally different from the previous ones, until arriving at Gamma = 90° (the photoelectric—is situated laterally to the luminaire) where a dark lite luminaire no longer emits light (E = 0 lux). The operation can be repeated along each of the infinite half-planes coming from the luminous axis: generally, however, it is usual to take into consideration the C- 90° , C- 180° half-planes or those with angular interdistances of 30° or 15° .

All the measured and converted values are summarized in a table (Photometric Table) according to the initial C-half-plane and relative Gamma angle. The luminous intensities are calculated with laboratory readings by converting the values measured by the illuminance meter using the formula:

 $I = (E \times d2) / F$

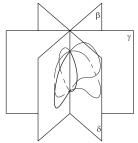
Where:

- I = luminous intensity (in cd/klm).
- d = distance luminaire-photoelectric cell; this distance must be greater than 5 times the maximum dimension of the luminous volume or area so that the luminaire can be considered a point source (Far Field method not to be confused with the Near Field method).
- F = total luminous flux of the lamps (in klm).

POLAR AND CARTESIAN DIAGRAMS

The photometric table data are graphically represented by means of different photometric curves according to the type of coordinates employed:

- photometric curves represented with polar coordinates;
- photometric curves represented with Cartesian coordinates.



The first are used to represent luminaires in interiors and road installations, while the second better represent the emissions from floodlights; this does not however mean that a luminaire cannot be represented in either way.

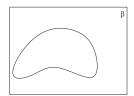
The Polar Diagram (or Polar Curve)

The Polar Diagram is obtained by selecting a half-plane from the photometric table (for example C-0°), marking in the corresponding values of intensity and angle on the polar plane and carefully joining the various points.

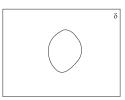
The polar curve can also be seen as the cross-section of the photometric solid through a plane that passes through the luminous axis of the luminaire.

The Cartesian Diagram

If the intensity values according to the Gamma angle are represented in terms of Cartesian coordinates (X-axis angles, ordinate intensity values) on a Cartesian plane and are carefully joined, the representation of the curve in Cartesian form is obtained (Cartesian Diagram).



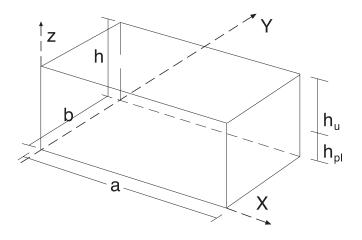






UTILIZATION FACTOR TABLES FOR THE WORK PLANE

The utilization factor tables are useful for determining the number of luminaires of the same kind to be used within the room given an average illuminance value.



K	8873	7773	7753	7731	5551	5511	3311	0000
0.6	0.45	0.42	0.34	0.28	0.31	0.24	0.23	0.21
0.8	0.53	0.49	0.41	0.34	0.37	0.29	0.28	0.26
1.0	0.59	0.55	0.47	0.40	0.41	0.34	0.33	0.30
1.3	0.65	0.61	0.53	0.45	0.46	0.39	0.38	0.35
1.5	0.69	0.65	0.58	0.49	0.50	0.43	0.41	0.38
2.0	0.76	0.71	0.65	0.55	0.55	0.49	0.47	0.43
2.5	0.80	0.75	0.69	0.59	0.58	0.53	0.51	0.46
3.0	0.83	0.78	0.73	0.62	0.61	0.56	0.53	0.49
4.0	0.85	0.80	0.76	0.65	0.63	0.59	0.55	0.50
5.0	0.88	0.83	0.79	0.67	0.65	0.61	0.58	0.52

ELEMENTS IN THE TABLE

- Reflectance factors (example 773): these are the reflectance factors of the ceiling, walls and work plane and are to be considered as percentages multiplied by 10 (example 70%, 70% and 30%).
- Room Index K (example 0.6): the room index is a factor that considers the dimensions of the room under examination.
- Utilization Factors (example 340): these factors consider the amount of flux emitted by the luminaires falling on the work plane. The factors are expressed in thousands (0.340).

USE OF THE TABLE

1. First of all, the reflectance value for ceiling, walls and work plane must be determined; in the case of walls with different reflectance factors, an average value should be calculated.

2. The room index corresponding to the room is calculated by means of the formula:

$$k = (a \times b) / (Hu \times (a + b))$$

where:

a and b are the length and width of the room;

Hu is the working height understood as being the distance between the work plane and the luminaire.

- 3. The utilization factor is determined as the intersection of the column corresponding to the chosen reflectance factors and the line of the calculated room index: where precise values are unavailable, an average will have to be calculated.
- $4. \ The \ average \ illuminance \ value \ desired \ is \ determined \ according \ to \ the \ type \ of \ activity \ to \ be \ carried \ out \ inside \ the \ room.$
- 5. The number of luminaires required to obtain the desired value of illuminance is calculated with the formula:

$$N = (E \times A) / (F \times Fu)$$

where:

N = number of luminaires

E = desired illuminance (in lx)

 $A = a \times b = total area (in m²)$

F = total flux of the individual luminaire (in lm)

Fu = utilization factor





ACKNOWLEDGEMENTS



GRIVEN S.r.l. is grateful to the organisations and persons whose pictures are reproduced in this catalogue and would like to extend them the most genuine thankfulness.

Pages 16/17

Sheraton Grand Doha Resort & Convention Hotel -

Doha - Qatar

Project manager: JANO FOR LIGHTING

Main contractor: UrbaCon Trading & Contracting LLC

Photo by: Anass Fawal

Pages 20/21

Gangneung Ice Arena - Gangneung - South Korea

Sheraton Bucharest Hotel - Bucharest - Romania

Professional Sound Impact SRL Photo by: George Fakaros™

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Letter Tower - Kuwait City - Kuwait Lighting design: Design in Beirut

Photo by: Roshan Miranda

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Saint Mary's Church - New Ross - Wexford - Ireland Enlighten, part of the Fantasy Lights Group

Primary contractor and Project Leader:

Paul Read, Al Read Electrical

Photo by: Con O' Donoghue

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Kurilpa Bridge - Brisbane - Australia

ULA Group

Specifier: Cameron Gunning - Vision & Sound

Technology (VAST)

Project management: Adam Axten

Stowe Australia

Photo by: Adam Axten

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Kansas City Power & Light Building - Kansas City,

MO - USA

Photo by: Jonathan Tasler Photography

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Neftyanik Cultural Center - Surgut - Russia

Lighting concept, engineering and installation: MT

Electro, Ekaterinburg

Photo by: MT Electro, Ekaterinburg

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Yeonggwang Great Bridge - Yeonggwang-gun,

Jeollanam-Do - South Korea

Pages 54/55

Port Adelaide Lighthouse - Adelaide - Australia

ULA Group

Photo by: ULA Group

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Mancheonha Skywalk - Danyang - South Korea

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Hue Imperial City - Hue - Vietnam

PhuThanh., JSC

Photo by: Giuseppe Froio

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Kuopio City Hall - Kuopio - Finland

Ideafix Oy

Lighting design: LITE-designs

Electrical design: Etteplan

Installation: JOB Real Estate Technology

Photo by: LITE-designs

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Bogatyr Hotel Complex - Sochi - Russia

DSL Ltd.

Lighting Design, engineering and installation:

Svetoservis-Kuban Ltd.

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Kilmainham Gaol & Courthouse - Dublin - Ireland

Enlighten, part of the Fantasy Lights Group

Photo by: Con O'Donoghue

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Fire Fighting Museum - Riga - Latvia

Lucidus SIA

Pages 84/85

QC Termemilano - Milano - Italy

Lighting design: Paola Colombo

Photo by: Max Rommel Photography

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Al Rafaa Wedding Hall Complex - Doha - Qatar

JETS Projetcs Co.

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Bucharest State Circus Building - Bucharest

Romania

Professional Sound Impact SRL

Photo courtesy: Daniel Sbarcea

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VEF Culture Palace - Riga - Latvia

Lucidus SIA

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Ferrein's Pharmacy - Moscow - Russia

Lighting design, engineering and installation:

Svetoservis

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Al Daayen Celebration Hall Complex - Doha - Qatar

JETS Projetcs Co.

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Le Hong Phong Bridge - Haiphong - Vietnam

Phuthanh., JSC

Photo by: Phuthanh., JSC

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The Family Sculpture - Duleek - Co. Meath - Ireland

Enlighten, part of the Fantasy Lights Group

Primary contractor and Project Leader: Paul Read, Al Read Electrical

Photo by: Con O' Donoghue

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Al Shyoukh Terminal, Doha - Qatar Project manager: JANO FOR LIGHTING

Main contractor: UrbaCon Trading & Contracting LLC

Photo by: Anass Fawal

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Alabaster Mosque, The Citadel - Cairo - Egypt Misr Company for Sound and Light & Cinema/ HiLights Professional Light and Sound

Photo by: Danilo Bettinazzi

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Oil Fountain - Surgut - Russia

DSL Ltd.

Lighting design: Rezerv company, Tyumen

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Festival Place - Basingstoke - UK Wila Lighting Ltd Lighting design: Hilson Moran

Installation: Ecolec Installations Ltd Photo by: Duncan Abbott

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National Temple of Divine Providence

Warsaw - Poland Prolight Sp. z o.o.

Photo by: Tomasz Adamski - Prolight Sp. z o.o.

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Hellenstein Schloß - Heidenheim - Germany

Hess GmbH

Lighting Design: WINKELS CONCEPTS, Martin

Schepers

Installation: Stadtwerke Heidenheim

Photo by: Alessandro Pederzani

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Rockhampton Riverside Precinct

Rockhampton, Queensland - Australia

ULA Group

Lighting Design: RIXONDESIGN

Project management: RIXONDESIGN Photo by: ULA Group

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Holiday Inn Ufa - Russia

DSL Ltd.

Lighting concept, engineering and installation:

MT Electro, Ekaterinburg Photo by: MT Electro, Ekaterinburg

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Heydar Aliyev Sports and Exhibition Complex

Baku - Azerbaijan

Installation company: A+A Group of Companies

Photo by: Farid Khairulin

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Prime Tower - Dubai Business Bay - Dubai, UAE

Lighting Design: Nouran Concept Lighting Photo by: Doretta Gerevini

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Mall of Qatar - Doha - Qatar Project manager: JANO FOR LIGHTING

Main contractor: UrbaCon Trading & Contracting

110 Photo by: Anass Fawal

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Chicago Navy Pier - Chicago, IL - USA Photo by: Sahar Coston Hardy Photography

Pages 216/217 Al Masah Capital - New Capital - Egypt

H&A - Designer & Consultant: ECG Consultant Client: Al Masah Hotels

Photo by: Alessandro Pederzani

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Hotel del Golfo - Procchio, Isola d'Elba - Italy

Photo courtesy by: Hotel Hermitage

Photo by: Stefano Muti

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Place de la Liberation - Dijon - France

Groupe Freevox Installation: Lorrillard Photo by: André Morin

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Place de la Liberation - Dijon - France

Groupe Freevox

Installation: Lorrillard

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