EAE

Architectural Lighting Products

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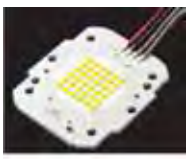
EAE

It is now easier to express the beauty and splendor of architectural buildings not only in daylight but also at night with the help of emerging LED technology.

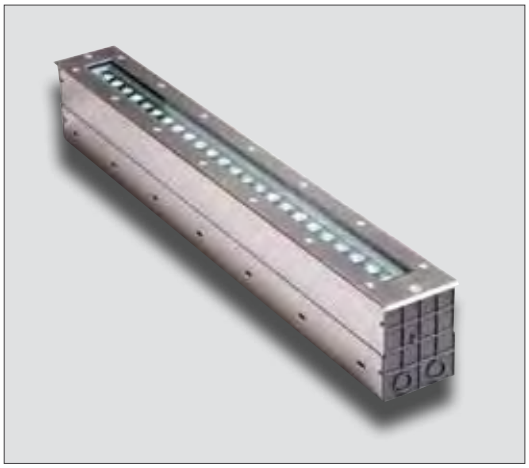
In this catalog, EAE presents RGB and DMX controllable LED architectural lighting products.

LED Technology

Rapidly developing technology in LED luminaires, in comparison to previous light sources, have brought new perspectives into EAE development systems.
Our Research and Development Laboratories together with our design team have built new opportunities by offering the best solutions in the field of lumen.
Thanks to these developments, a new generation of architectural lighting concepts can now be offered by EAE.



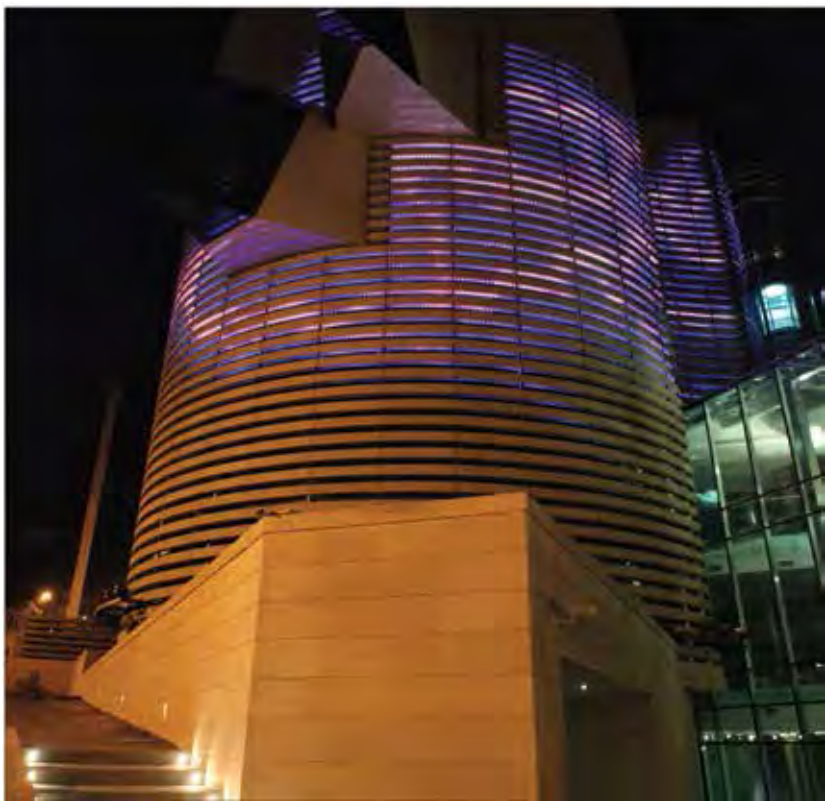
EAE Elektroteknik is one of the leading organizations in Turkey as production technics and production quality in its scope. EAE Elektroteknik proudly shares its high-efficiency and proper architectural lighting products with the help of the spurt lighting technologies based on engineering infastructure.

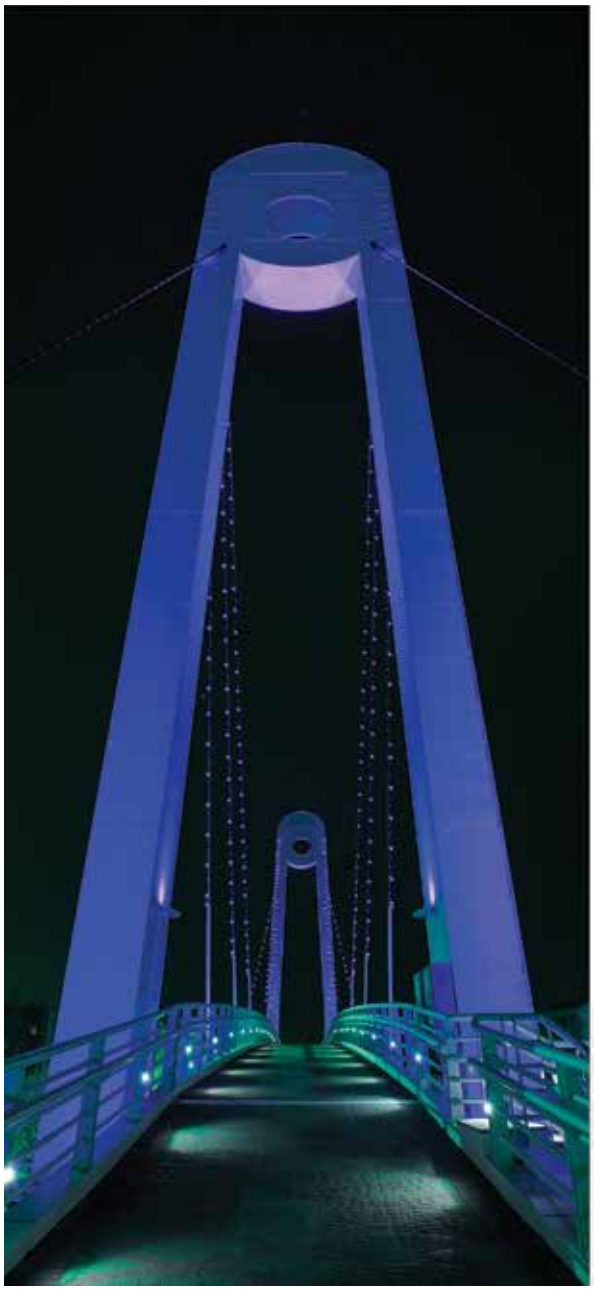


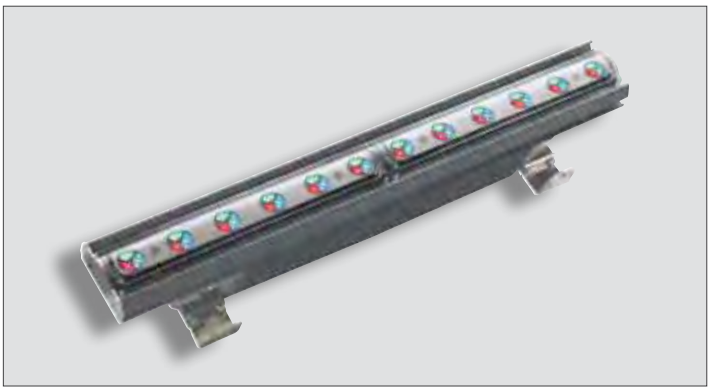
Architectural Lighting

Architectural Lighting design should provide a balance between initial operating cost and energy efficiency factors. Also this design technique should accomplish the proper effect for building's characteristics and provide sufficient light in standard lighting level.

Lighting designers intend to use both lighting physiology and psychology in most effective way.

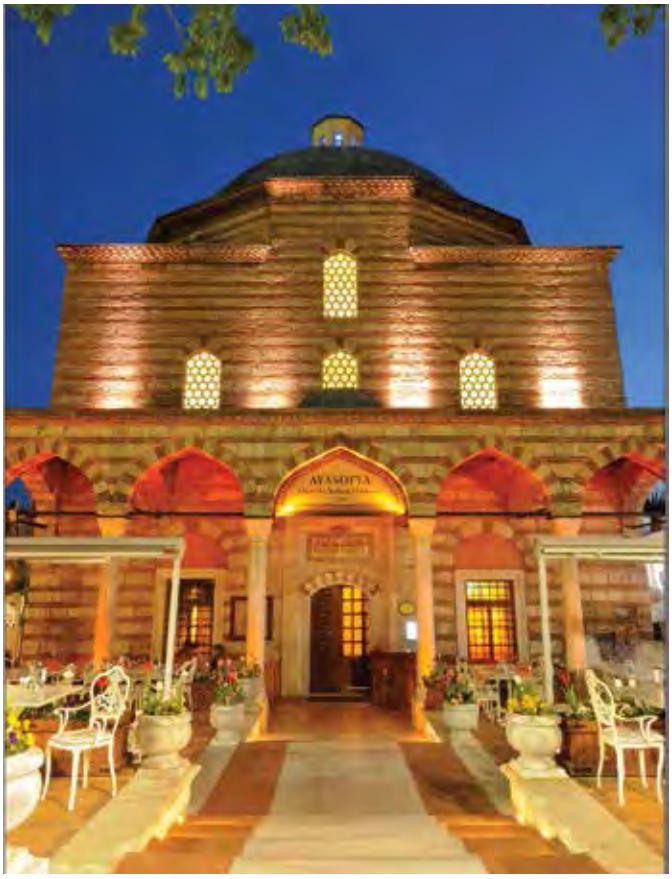






Function and Form Equality

The effects of facades,objects or flora to the human body depends on lighting design. However the effects can be determined by the designers. Our engineers design the suitable products which is for the effects that we want.



Illumination Technology

EAE Elektroteknik is a safe harbor for designers with the help of engineering products. Our R&D department has been focused on LED technology since 2008. Experts show us that the future lighting technology will be LED.

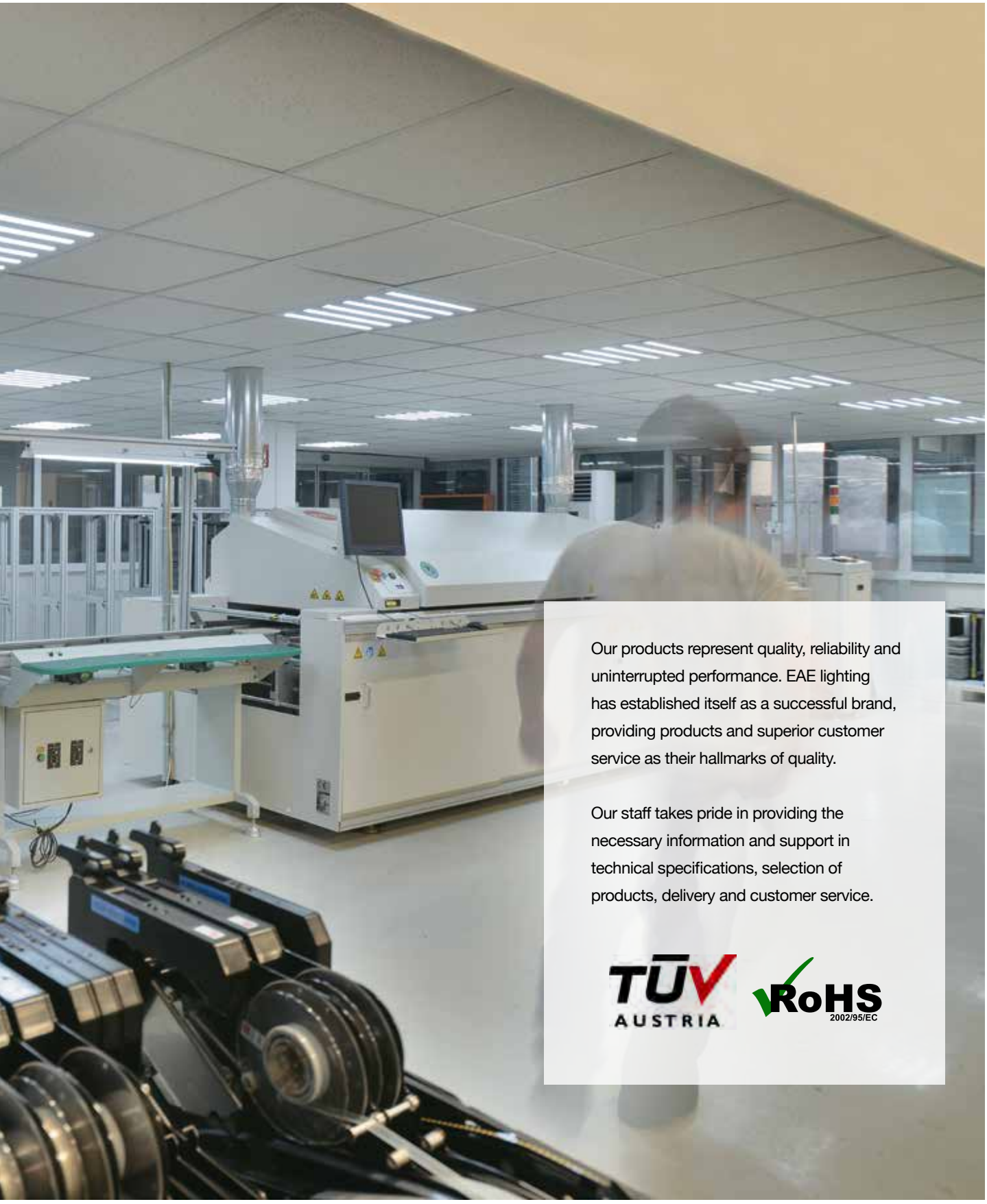
Sustainability

Illumination needs energy. So both manufacturer, designer and end user are responsible if the resources are limited. EAE Elektroteknik has a responsible role for using raw materials and energy. Our goal is to optimise illumination efficiency while keeping end-user's need for hight quality lighting and visual comfort.

More Qualitative Light

Development in lighting technology shows us the light is not only composed from numbers and amounts, but also forms perception and effects on vision physiology. Lighting which is the fourth dimension in achitecture, is necessary for designers to work with an appropriate product. EAE LAboratories are equipped with state-of-the-art technology and equipment paving the way for designing high quality lighting devices with product safety features.

Mx 400



Our products represent quality, reliability and uninterrupted performance. EAE lighting has established itself as a successful brand, providing products and superior customer service as their hallmarks of quality.

Our staff takes pride in providing the necessary information and support in technical specifications, selection of products, delivery and customer service.

TÜV AUSTRIA

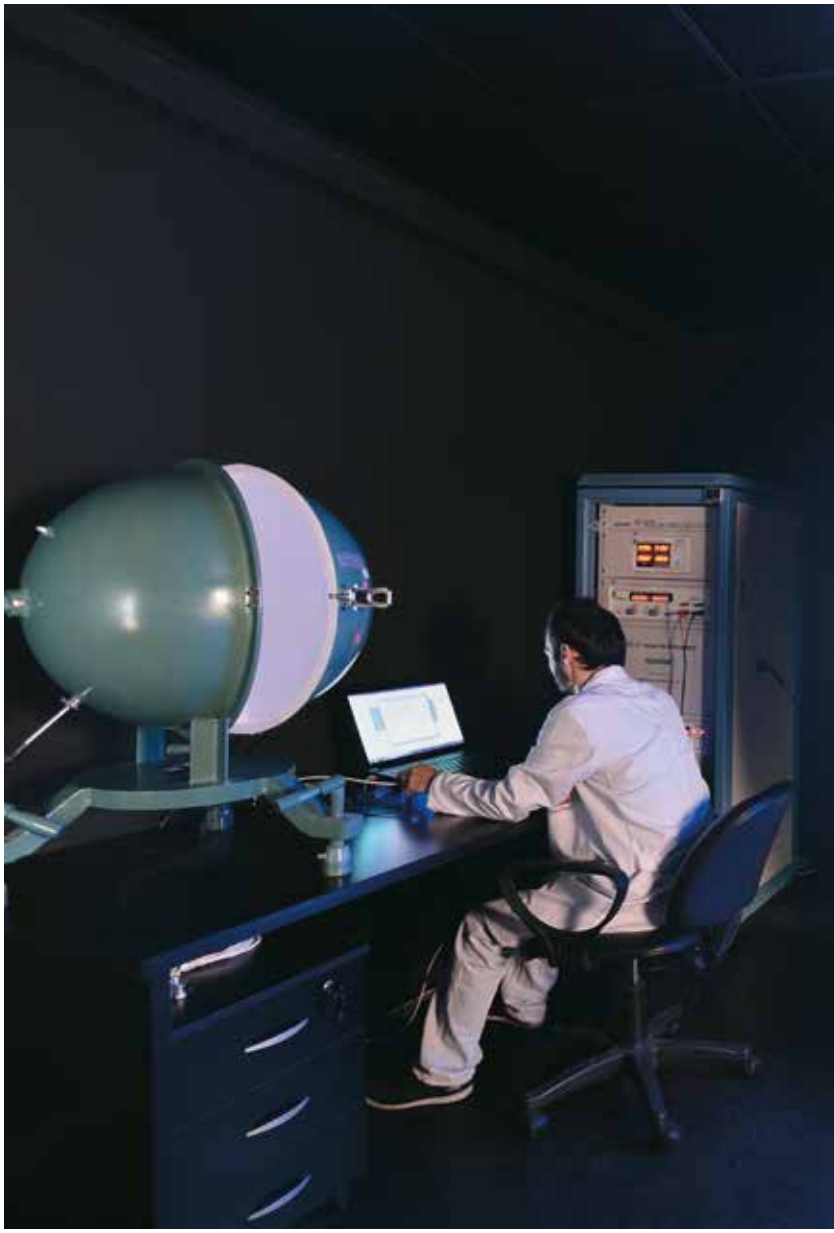
RoHS 2002/95/EC

MORE SAFER LIGHT

EAE lighting studies the workings of "Light Engineering" on measurements and evalution in its laboratories. Goniophotometric measurements,spatial distribution of light intensity have been made by the company since 2011.

Founded in 2007, EAE Laboratories conduct safety tests to ensure safer products are produced with a high level of customer satisfaction in ming. The primary goals are to increase product quality and to fulfill product requirements, and it isfor these reasons that safety tests are performed according to the EN 60598-1 safety standard. To achieve more secure lighting solutions, luminaires shold be tested under various conditions. Under European Standards EN-60598-1, EN 60598-2 tests, EAE luminaires are tested under increasing temperature, humid environment, earth continuity,leakage current, torque , suspension kit safety , physical impact, electrical shock resistance, insulation and corrosion.

The range of testing is carried out on more than 20 different test subjects. Safety tests of electronic drivers are performed in the EAE Laboratory under the auspieces of DEKRA according to EN 61347-2-13

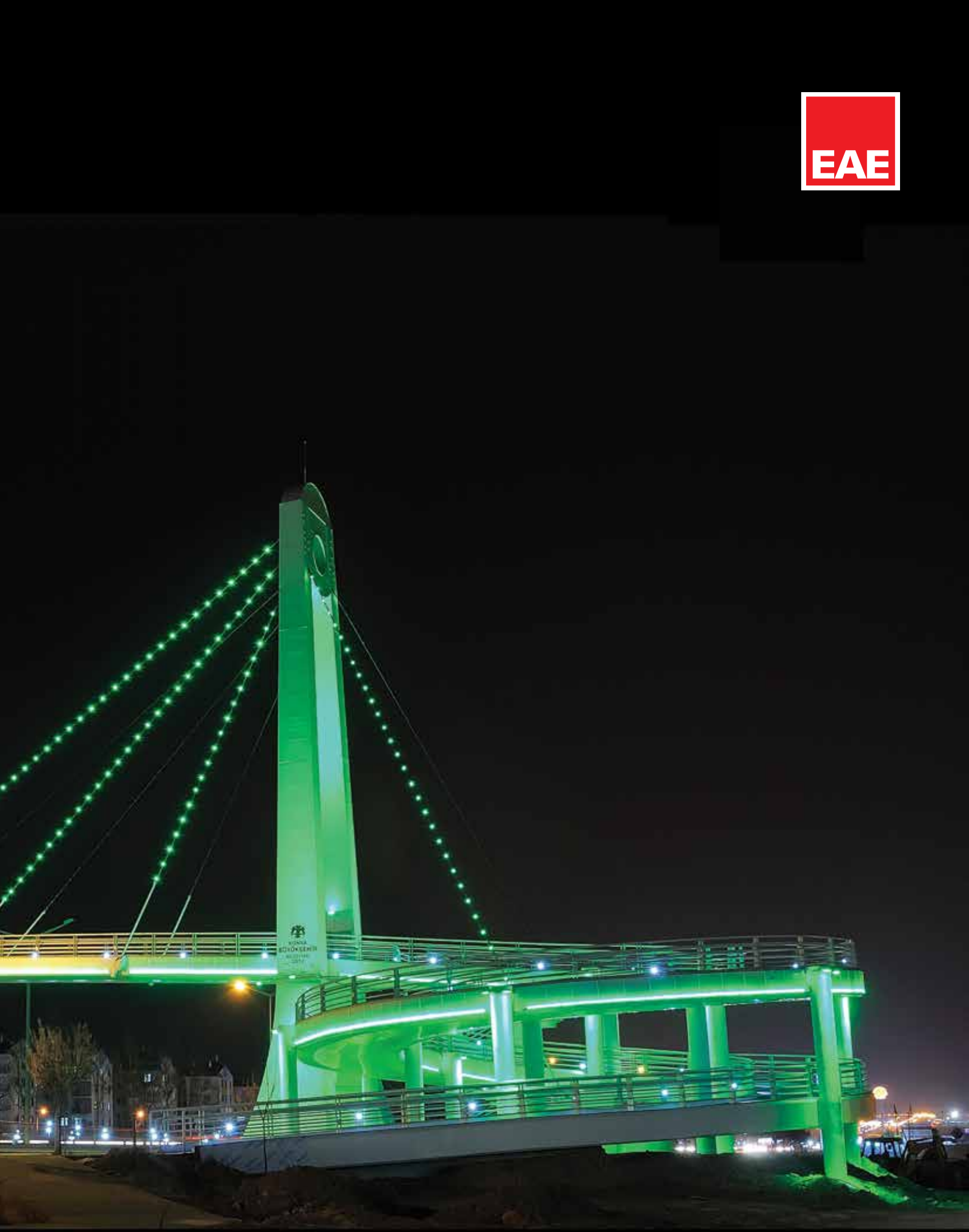


standards. All tests under CE-LVD Low Voltage Directives create substructures for European Certification.

Goniophotometers are devices that generate light distribution curves during the designing phase of lighting luminaires, measures glare values and also generates ISOLUX-ISOCANDELA diagrams. These tests are in acordance with EN (CIE) and IESNA standards. Ulbricht Sphere , with a diameter of 2 meters, gives the opportunity to measure spectral measurements, CCT (Corrolated colour temperature), CRI (color rendering index), wavelentgth, colour ratios and the lumen value measurements of light sources.

PROJECT IDENTITY

Employer	: Konya Metropolitan Municipality
Architectural Group	: Sütiçen Mimarlık (Sütiçen Architecture)
Illumination Design	: Sümeyra Gün/ EAE Illumination
Products Implemented	: EAE RGB Prolit Compact
	LED Projector,
	EAE RGB Ledbar,
	EAE RGB LED Module,
	EAE Wato 3W LED embedded in the wall,
	EAE control systems.



REFERENCE

Golden Tulip Hotel, Kyrenia - Northern Cyprus

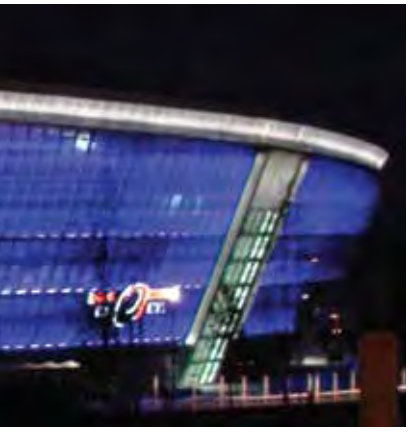
Haseki Hürrem Sultan Bath, Istanbul - Turkey

FC Shakhtar Donetsk Stadium Donbass Arena, Donetsk - Ukraine

Socar Headquarters, Tbilisi - Georgia

Hilton Hotel, Batumi - Georgia

Mersin Yacht Marina, Mersin - Turkey



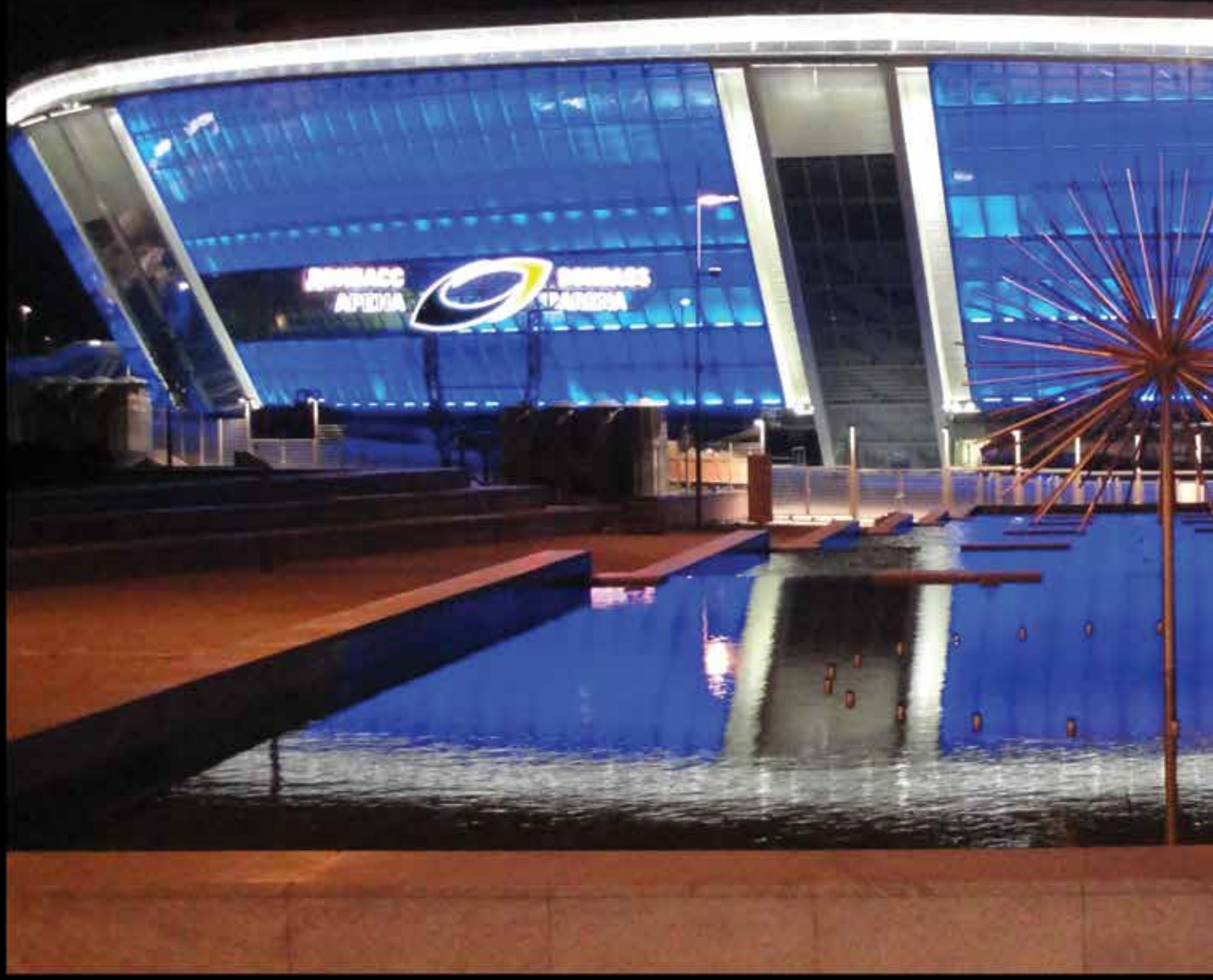
Architectural lighting is important fact for corporate identity communication companies. Lighting concept and lighting choice come together to build up spectacular appareance. Corporate culture is powered for employees and visitors. Illuminated buildings are perceived as significant lighting state of art at surrounding city.

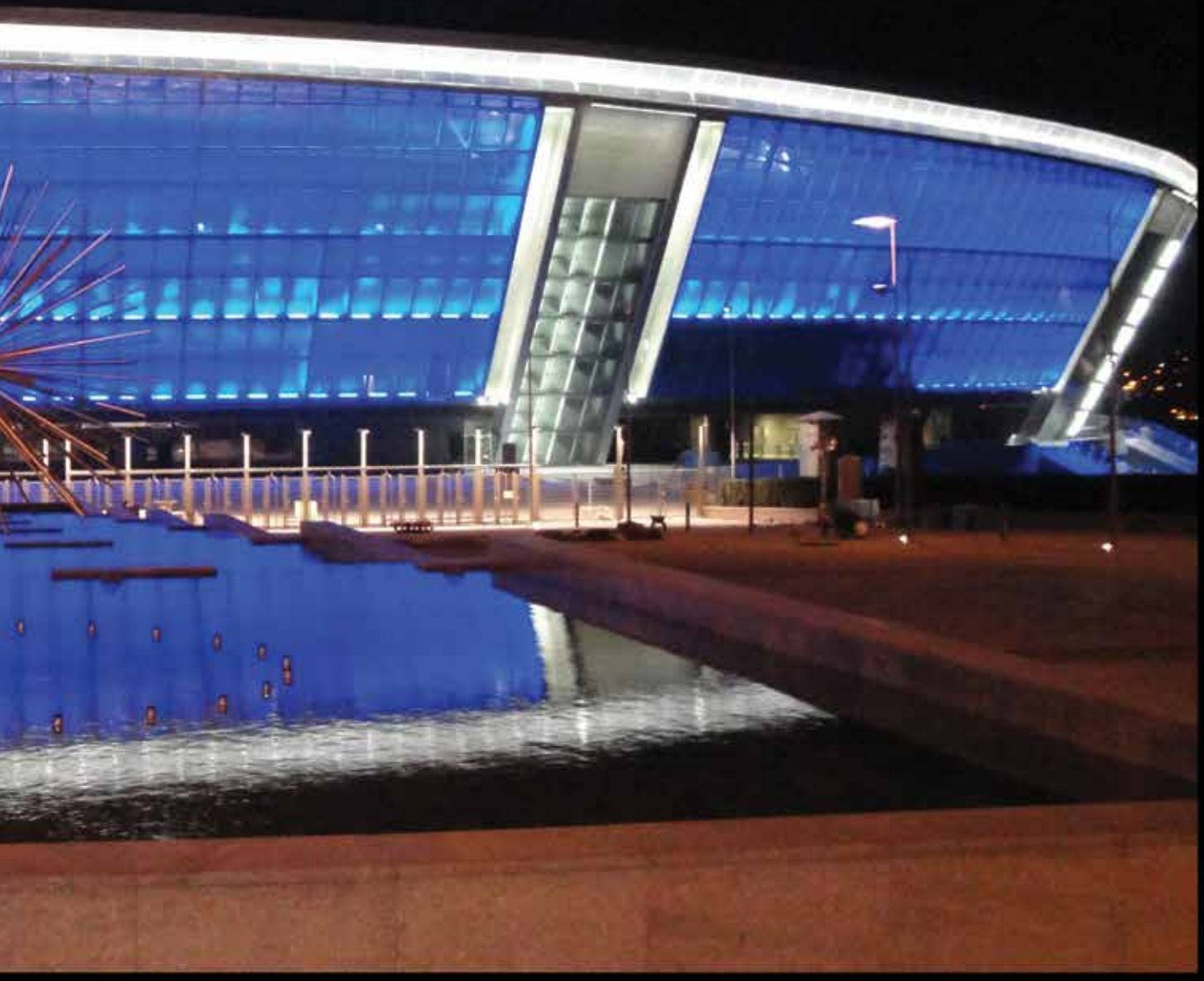
Facades are the primarly perceived fact in architecture and being idenfied by the direction and color of the light at night. Facade apperances are changed due to the changing of the direction of the light during the day. Illumination effects can easily be formed with the help of the different light distributions and lighting control systems. Components of the facades can be perceptible by these systems.

Elmalılı Hamdi Pedestrian Overpass, Konya - Turkey

PROJECT INFORMATION

Employer	: FC Shaktar Donetsk
General Contractor	: ENKA İnşaat ve Sanayi A.Ş.
Lighting Designer	: Sümeyra Gün/ EAE Aydınlatma
Architect	: ARUP Sport
Lighting Company	: EAE A.Ş.
Products Used	: EAE Prolit White, EAE Walight Blue, EAE Walight White,





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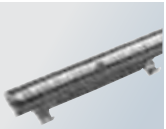
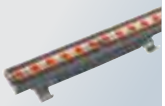
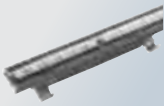
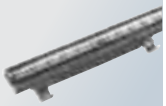
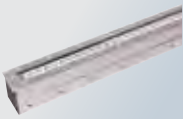
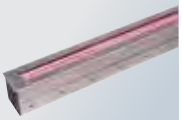
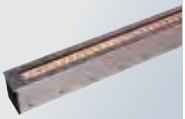
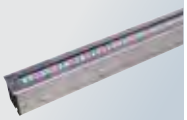
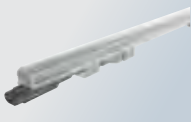
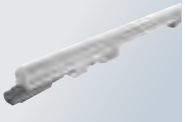
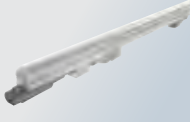
	White	Mono Color	Tunable White	RGB
PROLIT				
PROLIT COMPACT				
BANTWASHER				
BANTWASHER SLIM				
DIPLED				
D-BAR				
T-BAR				
SPOT				
MINI SPOT				

PROLIT

LED Floodlight

MN-W White

MN-C Mono Color

MX-TW Tunable White

MX-RGB RGB

PROLIT

Physical Specifications :

Body Specs.	: Aluminium injection, electrostatic powder coat body All connection parts are stainless Silicon gasket
Body color	: Specially designed coating for external applications (black,white,grey)
Diffuser	: Tempered glass
Protection class	: IP 65
Weight	: 17,75 - 19,75 kg (MN-W) 13,25 - 15,25 kg (MN-C, MX-TW, MX-RGB)
Dimensions	: 375 x 443 x 251 mm (MN-W) 370 x 337 x 185 mm (MN-C,MX-TW, MX-RGB)

Performance Specification :

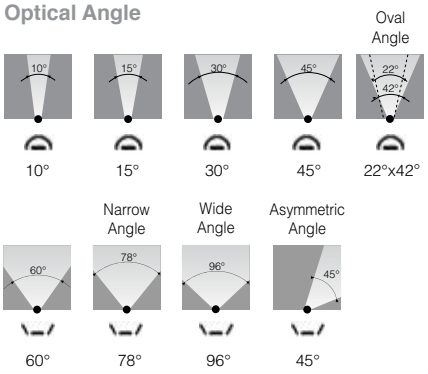
Working Temperature	: -20° / +45° C
Rotation Angles	: 210° (Fixable unit for every 5° angle)
Light Source	: Power LED
Color Options	: Pure white, neutral white, warm white, Red, Green, Blue, Amber Tunable white, RGB

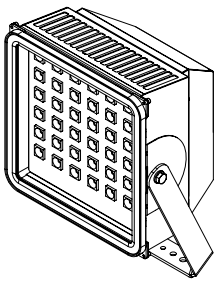
Electrical Specifications :

Working Voltage	: 220 - 240 V AC 50/60 Hz (MN-W, MN-C, MX-TW) 24 V DC (MX-RGB)
Rated Power (W)	: 100 (107) W / cos Ø >0,9 (100 W Model / MN-W) 150 (158) W / cos Ø >0,9 (150 W Model / MN-W) 210 (218) W / cos Ø >0,9 (210 W Model / MN-W) 50 (55) W / cos Ø >0,9 (50 W Model / MN-C, MX-TW, MX-RGB) 75 (83) W / cos Ø >0,9 (75 W Model / MN-C, MX-TW, MX-RGB)

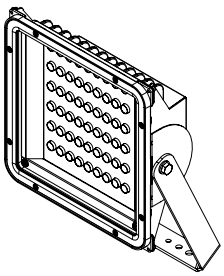
Application Areas :

Facade lighting, commercial lighting, sport areas lighting
harbor / open area / open car parks, high rise buildings facade lighting.

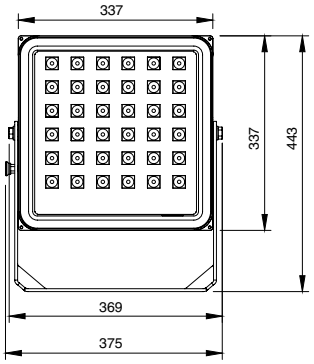


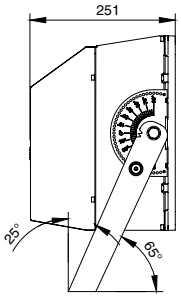


MN-W

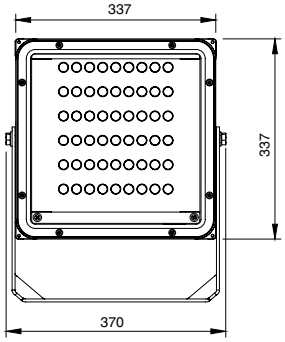


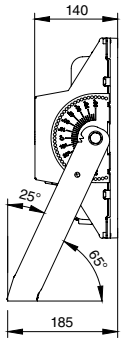
MN-C, MX-TW, MX-RGB





MN-W





MN-C, MX-TW, MX-RGB

MN-W

WHITE

WHITE

COLOR	OPTICAL ANGLE	VOLTAGE (V)	POWER (W)	LUMINOUS FLUX (lm)
Warm White 2700K-3700K Neutral White 4000K-4500K Pure White 5500K-6500K	10° 15° 30° 45° 60° Asymmetric Angle Narrow Angle Oval Angle Wide Angle	220-240V AC	100 (107) W 150 (158) W 210 (218) W	5000 lm ~ 17600 lm*

MN-C

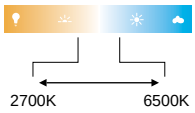
MONO COLOR

MONO COLOR

COLOR	OPTICAL ANGLE	VOLTAGE (V)	POWER (W)	LUMINOUS FLUX (lm)
Red Green Blue Amber	10° 15° 30° 45°	220-240V AC	50 (55) W 75 (83) W	925 lm ~ 3330 lm*

MX-TW

TUNABLE WHITE



TUNABLE WHITE

COLOR	OPTICAL ANGLE	VOLTAGE (V)	POWER (W)	LUMINOUS FLUX (lm)
Tunable White 2700K-6500K DMX	10° 15° 30° 45°	220-240V AC	50 (55) W 75 (83) W	5465 lm ~ 8200 lm*

MX-RGB

RGB

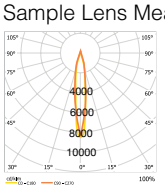
RGB

COLOR	OPTICAL ANGLE	VOLTAGE (V)	POWER (W)	LUMINOUS FLUX (lm)
RGB DMX	10° 15° 30° 45°	220-240V AC (DMX) 24V DC (RGB)	50 (55) W 75 (83) W	1370 lm ~ 2100 lm*

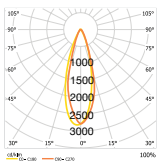
* Luminous flux that are specified above might be change due to developing LED technology.
** Only for 210 W model

Detailed and up-to-date photometric data will be found in our web site.

Sample Lens Measurement

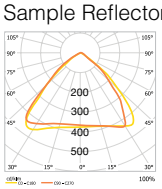


MN-W
15°

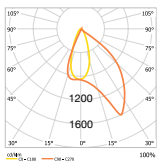


MN-W
30°

Sample Reflector Measurement



MN-W
Wide Angle 96°



MN-W
Asymetric Angle 45°

Contact us for detailed information about accessories

Product Selection Chart :

PROLIT WHITE

Sample Selection;

PR 24*PS42 Z - 130 PW / C NB

Prolit,100 W - 24 LED model, ground mounting type, 130 lumen/LED, pure white, plain glass, narrow angle reflector

Product Series		Product Power		Mounting			Color Designation			Diffuser Type		Optical Angle Options	
Prolit	**PR**	100 W -24 LED Model	**24*PS42**	Ground	**Z**	**-**	Pure White	**130 PW** [1]	**/**	Plain Glass	**C**	10° Angle Lens	**10D**[1]
		150 W- 36 LED Model	**36*PS42**					**280 PW** [2]				15° Angle Lens	**15D**[1][2]
		210 W- 36 LED Model	**36*PS57**									30° Angle Lens	**30D**[1][2]
												45° Angle Lens	**45D**[1]
												60° Angle Reflector	**60D**[1][2]
												Narrow Angle Reflector	**NB**[2]
												Asymetric Reflector	**AS**[1][2]
												Wide Angle Reflector	**WB**[2]
												Oval Angle Lens	**O**[2]

(1) Only for 100 W - 24 LED / 150 W 36 LED version

(2) Only for 210 W - 36 LED version

PROLIT MONO COLOR

Sample Selection;

PR 36*PS16 Z - 130T / C 10D

Prolit Mono Color, 50W- 36 LED model, ground mounting type, 35 lumen/LED, Blue, plain glass, 15° angle lens luminaire

Product Series		Product Power		Mounting			Color Designation			Diffuser Type		Optical Angle Options	
Prolit Mono Color	**PR**	50 W- 36 LED Model	**36*PS16**	Ground	**Z**	**-**	Blue	**035 B**	**/**	Plain Glass	**C**	10° Angle Lens	**10D**
		75 W- 54 LED Model	**54*PS16**				Amber	**052 A**				15° Angle Lens	**15D**
							Red	**052 R**				30° Angle Lens	**30D**
							Green	**087 G**				45° Angle Lens	**45D**

PROLIT TUNABLE WHITE

Sample Selection;

PR 36*PS16 Z - 130T / C 10D

Prolit TW, 50W- 36 LED model, ground mounting type, 130 lumen/LED, tunable white, plain glass, 10° angle lens luminaire

Product Series		Product Power		Mounting			Color Designation			Diffuser Type		Optical Angle Options	
Prolit Tunable White	**PR**	50 W- 36 LED Model	**36*PS16**	Ground	**Z**	-	Tunable White	**130 T**	**/**	Plain Glass	**C**	10° Angle Lens	**10D**
		75 W- 54 LED Model	**54*PS16**									15° Angle Lens	**15D**
												30° Angle Lens	**30D**
												45° Angle Lens	**45D**

PROLIT RGB

Sample Selection;

PR 36*PS16 Z - 040 Q / C 10D

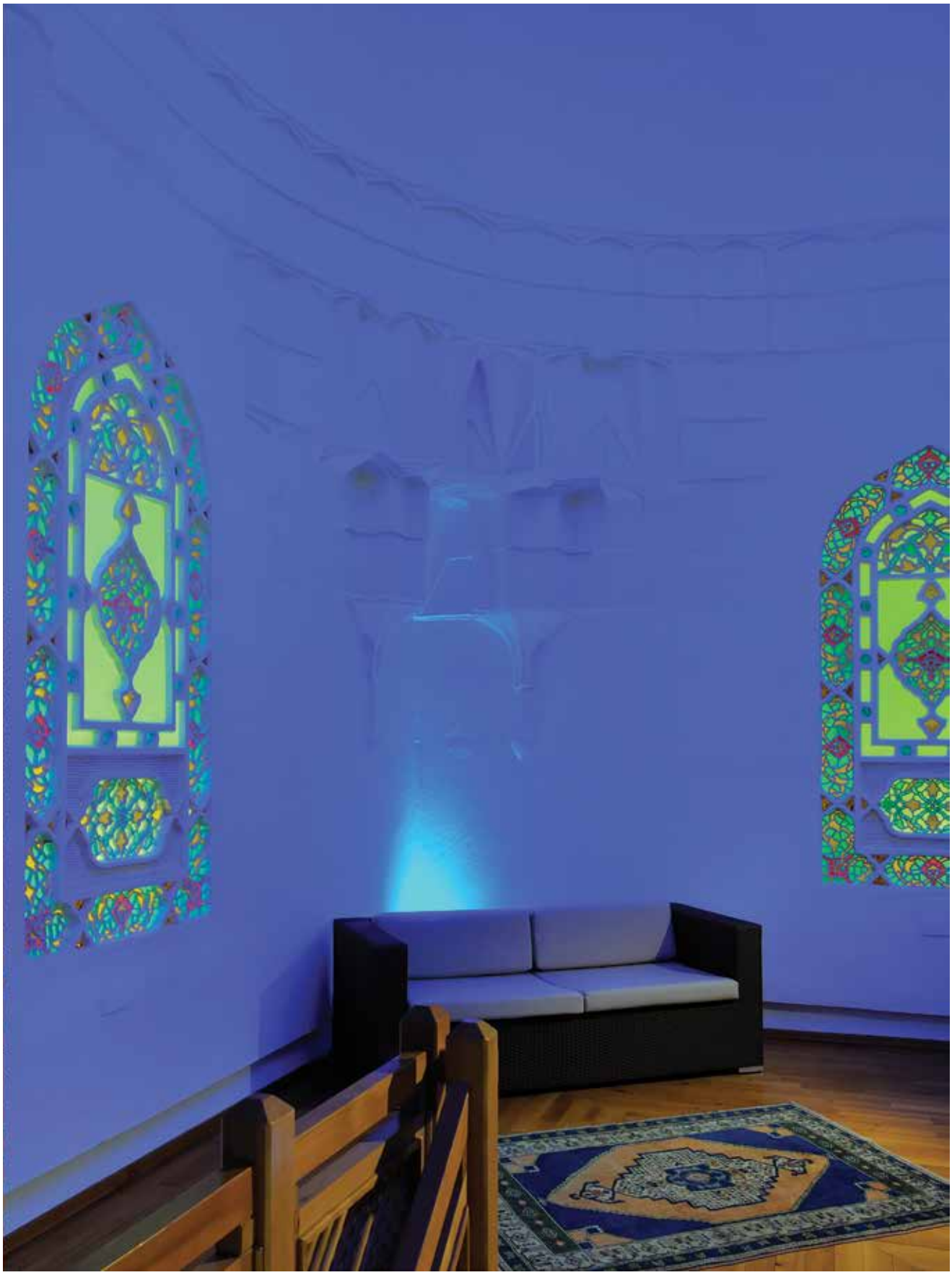
Prolit RGB, 50W- 36 LED, ground mounting type, 40 lumen/LED, RGB, plain glass, 10° angle lens luminaire

Product Series		Product Power		Mounting			Color Designation			Diffuser Type		Optical Angle Options	
Prolit RGB	**PR**	50 W - 36 LED Model	**36*PS16**	Ground	**Z**	-	RGB *	**040 Q**	/	Plain Glass	**C**	10° Angle Lens	**10D**
		75 W - 54 LED Model	**54*PS16**				DMX Control *	**040 QX**				15° Angle Lens	**15D**
												30° Angle Lens	**30D**
												45° Angle Lens	**45D**

* DMX products includes slave unis inside of the products.

* DMX products work in 220 V AC, RGB products work in 24 V DC.

Standard body color for Prolit products series are black.



PROLIT COMPACT

LED Floodlight

MN-W White

MN-C Mono Color

MX-TW Tunable White

MX-RGB RGB

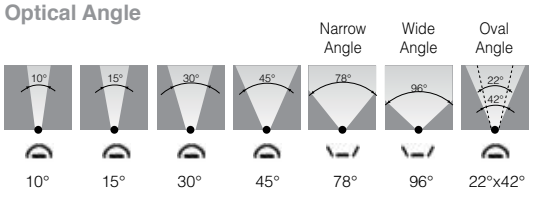
PROLIT COMPACT

Physical Specifications :

Body Specs.	: Aluminium injection, electrostatic powder coat body All connection parts are stainless Silicon gasket
Body color	: Specially designed coating for external applications (black,white,grey)
Diffuser	: Tempered glass
Protection class	: IP 65
Weight	: 4,9 kg (MN-W) 5,15 kg (MN-C, MX-TW, MX-RGB)
Dimensions	: 246 x 305 x 96 mm

+40°C
-20°C

Optical Angle

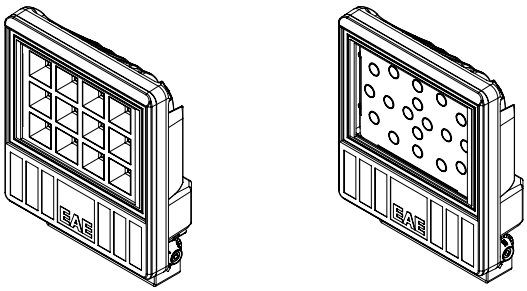


Performance Specification :

Working Temperature	: -20 °C +40 °C
Rotation Angles	: 160°
Light Source	: Power LED
Color Options	: Pure White, Red, Green, Blue, Amber Tunable White, RGB
Angle Options	: 10° / 15° / 30° / 45° / Oval Angle (22°x42°) Narrow Angle (78°), Wide Angle (96°)

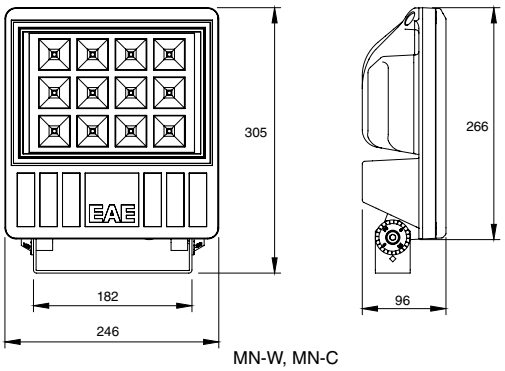
Electrical Specifications :

Working Voltage	: 220 - 240 V AC 50/60 Hz (MN-W, MN-C, MX-TW) 24 V DC (MX-RGB)
Rated Power (W)	: 50 (54) W / cos Ø >0,9 (50 W Model / MN-W) 100 (111) W / cos Ø >0,9 (100 W Model / MN-W) 30 (33) W / cos Ø >0,9 (30 W Model / MX-RGB, MN-C, MX-TW) 60 (67) W / cos Ø >0,9 (60 W Model / MX-TW)

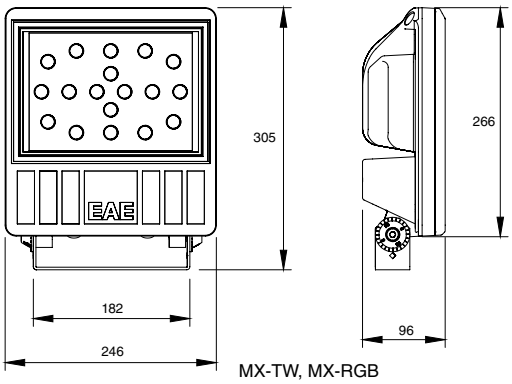


Application Areas :

Facade lighting, commercial lighting, open areas / open car parks
sport areas lighting



MN-W, MN-C



MX-TW, MX-RGB

MN-W

BEYAZ

WHITE

COLOR	OPTICAL ANGLE	VOLTAGE (V)	POWER (W)	LUMINOUS FLUX (lm)
Warm White 2700K-3700K Neutral White 4000K-4500K Pure White 5500K-6500K	15° 30° Dar Açı Geniş Açı Oval Açı	220-240V AC	50 (54)W 100 (111) W	3500 lm ~ 8400 lm*

MN-C

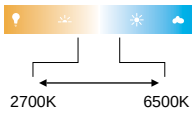
MONO COLOR

MONO COLOR

COLOR	OPTICAL ANGLE	VOLTAGE (V)	POWER (W)	LUMINOUS FLUX (lm)
Red Green Blue Amber	10° 15° 30° 45°	220-240V AC	30 (33) W	600 lm ~1800 lm*

MX-TW

TUNABLE WHITE



TUNABLE WHITE

COLOR	OPTICAL ANGLE	VOLTAGE (V)	POWER (W)	LUMINOUS FLUX (lm)
Tunable White 2700K-6500K DMX	10° 15° 30° 45°	220-240V AC	30 (33) W	~2600 lm*

MX-RGB

RGB

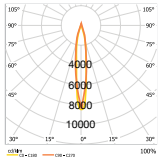
RGB

COLOR	OPTICAL ANGLE	VOLTAGE (V)	POWER (W)	LUMINOUS FLUX (lm)
RGB DMX	10° 15° 30° 45°	220-240 V AC (DMX) 24 V DC (RGB)	30 (33) W	~1200 lm*

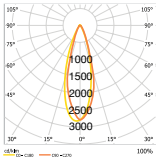
* Luminous flux that are specified above might be change due to developing LED technology.
Due to the light color and usage of optical system, luminious flux might be changed.

Detailed and up-to-date photometric data will be found in our web site.

Sample Lens Measurement

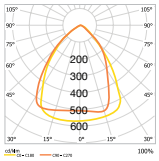


MN-W
15°

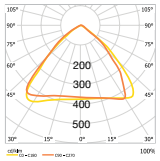


MN-W
30°

Sample Reflector Measurement



MN-W
Narrow Angle 78°



MN-W
Wide Angle 78°

Contact us for detailed information about accessories

Product Selection Chart :

PROLIT COMPACT WHITE

Sample Selection;

PR 12*PS42 Z - 260 PW / C NB

Prolit Compact, 50 W - 12 LED model, ground mounting type, 260 lumen/LED, pure white, plain glass,narrow angle reflector

Product Series		Product Power		Mounting			Color Designation			Diffuser Type		Optical Angle Options	
Prolit Compact	**PR**	50 W -12 LED Model	**12*PS42**	Ground	**Z**	**-**	Pure White	**260 PW** [1]	**/**	Plain Glass	**C**	Narrow Angle Reflector	**NB**
		100 W -12 LED Model	**12*PS93**				Neutral White	**240 NW** [2]				Wide Angle Reflector	**WB**
							Warm White	**220 WW**				Oval Angle Reflector	**O**
												15° Angle Lens	**15D**
												30° Angle Lens	**30D**

(1) Only for 50 W-12 LED version

(2) Only for 100 W-12 LED version

PROLIT COMPACT MONO COLOR

Sample Selection;

PR 18*PS16 Z -035B / CD 10D

Prolit Compact 30 W - 18 LED ground mounting type, 35 lumen/LED, blue, plain glass, 10° angle lens luminaire

Product Series		Product Power		Mounting			Color Designation			Diffuser Type		Optical Angle Options	
Prolit Compact Mono Color	**PR**	30 W -18 LED Model	**18*PS16**	Ground	**Z**	**-**	Blue	**035 B**	**/**	Plain Glass	**C**	10° Angle Lens	**10D**
							Amber	**052 A**				15° Angle Lens	**15D**
							Red	**052 R**				30° Angle Lens	**30D**
							Green	**087 G**				45° Angle Lens	**45D**

PROLIT COMPACT TUNABLE WHITE

Sample Selection;

PR 12*PS12 Z -130T / CD 10D

Prolit Compact, 30 W -18 LED ground mounting type, 130 lumen/LED, tunable white, plain glass, 10° angle lens luminaire

Product Series		Product Power		Mounting			Color Designation			Diffuser Type		Optical Angle Options	
Prolit Compact Tunable White	**PR**	30 W -18 LED Model	**18*PS12**	Ground	**Z**	**-**	Tunable White	**130 T**	**/**	Plain glass	**C**	10° Angle Lens	**10D**
												15° Angle Lens	**15D**
												30° Angle Lens	**30D**
												45° Angle Lens	**45D**

PROLIT COMPACT RGB

Sample Selection;

PR 18*PS12 Z -040Q / CD 10D

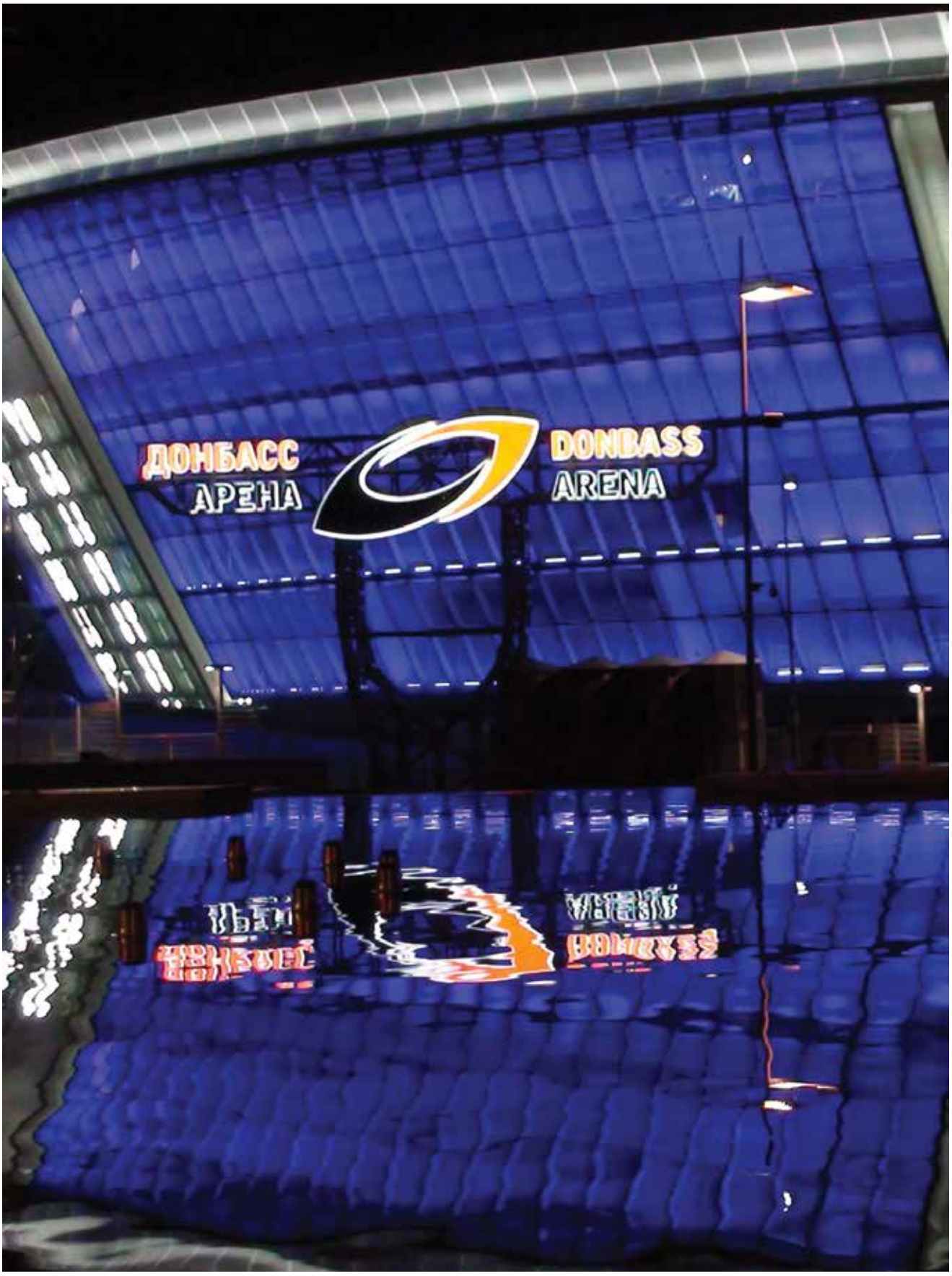
Prolit Compact RGB, 30 W - 18 LED ground mounting type, 40 lumen/LED, RGB, plain glass, 10° angle lens luminaire

Product Series		Product Power		Mounting			Color Designation			Diffuser Type		Optical Angle Options	
Prolit Compact RGB	**PR**	30 W -18 LED'li Model	**18*PS12**	Ground	**Z**	**-**	RGB *	**040 Q**	**/**	Plain glass	**C**	10° Angle Lens	**10D**
							DMX *	**040 QX**				15° Angle Lens	**15D**
												30° Angle Lens	**30D**
												45° Angle Lens	**45D**

* DMX products includes slave unis inside of the products.

* DMX products work in 220 V AC, RGB products work in 24 V DC.

Standard body color for Prolit compact products series are black.


ДОНБАСС
АРЕНА
DONBASS
ARENA

BANTWASHER

Linear Facade LED Lighting Luminaire

MN-W White

MN-C Mono Color

MX-TW Tunable White

MX-RGB RGB

BANTWASHER

Physical Specifications :

Body Specs.	: Aluminium injection, electrostatic powder coat body
Diffuser	: Polycarbonate
Protection class	: IP 67
Weight	: 2,7 kg - 6 LED (MN-W, MN-C) 2,7 kg - 18 LED (MX-RGB) 3,7 kg - 12 LED (MN-W, MN-C) 3,7 kg - 36 LED (MX-RGB) 4,7 kg - 18 LED (MN-W, MN-C) 4,7 kg - 54 LED (MX-RGB) 5,7 kg - 24 LED (MN-W, MN-C) 5,7 kg - 72 LED (MX-RGB)
Dimensions	: 254 x 67 x136 mm - 6 LED (MN-W, MN-C) 254 x 67 x136 mm - 18 LED (MX- RGB) 504 x 67 x136 mm - 12 LED (MN-W, MN-C) 504 x 67 x136 mm - 36 LED (MX-RGB) 754 x 67 x136 mm - 18 LED (MN-W, MN-C) 754 x 67 x136 mm - 54 LED (MX-RGB) 1004 x 67 x136 mm - 24 LED (MN-W, MN-C) 1004 x 67 x136 mm - 72 LED (MX-RGB)

Performance Specification :

Working Temperature	: -20°C /+25°C
Rotation Angles	: 180°
Light Source	: Power LED
Color Options	: Pure White, Neutral White, Warm White, Tunable White, Red, Green, Blue, Amber, RGB
Angle Options	: 10° / 15° / 30° / 45° (MN-W, MN-C) 18° / 26° / 30° (MX-TW, MX-RGB)

Electrical Specifications :

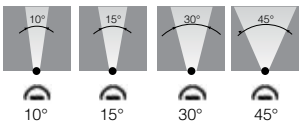
Working Voltage	: 220 - 240 V AC 50/60 Hz (MN-W, MN-C, MX-TW) 24 V DC (MX-RGB)
Rated Power (W)	: 11 W - 6 LED (MN-W, MN-C) 26 W - 18 LED (MX-RGB, MX-TW) 17 W - 12 LED (MN-W, MN-C) 52 W - 36 LED (MX-RGB, MX-TW) 25,5 W -18 LED (MN-W, MN-C) 78 W - 54 LED (MX-RGB, MX-TW) 34 W - 24 LED (MN-W, MN-C) 104 W - 72 LED (MX-RGB, MX-TW)

Application Areas :

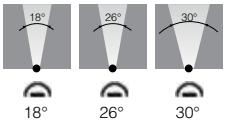
Facade lighting, Concealed Lighting, Billboard Lighting

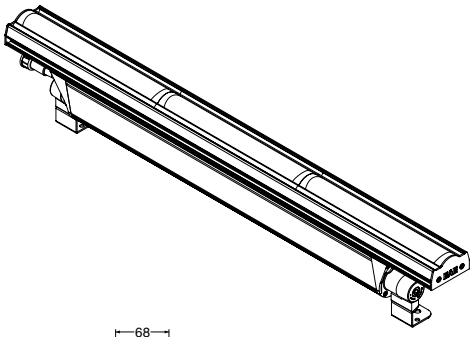
Optical Angle

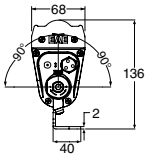
For MN-W and MN-C models

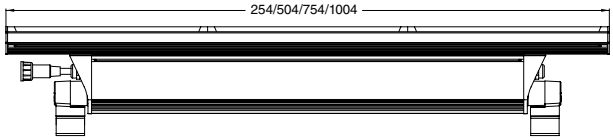


For MX-TW and MX-RGB models









MN-W

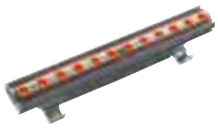
WHITE

WHITE

COLOR	OPTICAL ANGLE	VOLTAGE (V)	POWER (W)	LUMINOUS FLUX (lm)
Warm White 2700K-3700K Neutral White 4000K-4500K Pure White 5500K-6500K	10° 15° 30° 45°	220-240 V AC	11 W 17 W 25,5 W 34 W	1260 - 3470

MN-C

MONO COLOR

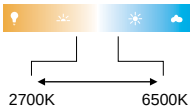


MONO COLOR

COLOR	OPTICAL ANGLE	VOLTAGE (V)	POWER (W)	LUMINOUS FLUX (lm)
Red Green Blue Amber	10° 15° 30 45°	220-240 V AC	11 W 17 W 25,5 W 34 W	410 - 1890

MX-TW

TUNABLE WHITE



TUNABLE WHITE

COLOR	OPTICAL ANGLE	VOLTAGE (V)	POWER (W)	LUMINOUS FLUX (lm)
Tunable White 2700K-6500K DMX	18° 26° 30°	24 V DC 220 V AC (DMX)	26 W 52 W 78 W 104 W	522 - 3132

MX-RGB

RGB

RGB

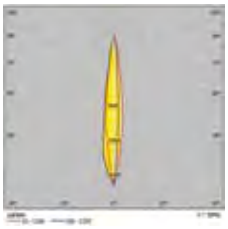
COLOR	OPTICAL ANGLE	VOLTAGE (V)	POWER (W)	LUMINOUS FLUX (lm)
RGB DMX	18° 26° 30°	24 V DC 220 V AC (DMX)	26 W 52 W 78 W 104 W	650 - 1370

* Luminous flux that are specified above might be change due to developing LED technology. Due to the light color and usage of optical system, luminious flux might be changed.

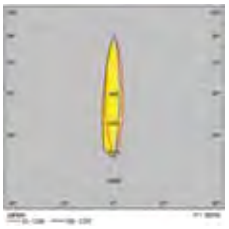
Detailed and up-to-date photometric data will be found in our web site.

Light Distribution Data

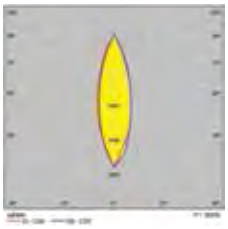
MN-W 10°



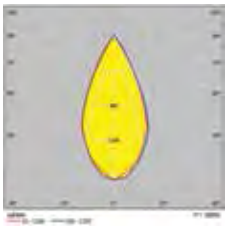
MN-W 15°



MN-W 30°



MN-W 45°



Contact us for detailed information about accessories

Product Selection Chart :

BANTWASHER WHITE

Sample Selection;
BC 12*PS10 Z - 100 PW / PC 10D
Bantwasher, 17 W - 12 LED model, ground mounting type, 100 lumen/LED - pure white, polycarbonate profile, 10° angle lens.

Product Series		Product Power		Mounting			Color Designation			Diffuser Type		Optical Angle Options	
Bantwasher	**BC**	11 W- 6 LED Model	**6*PS10**	Ground	**Z**	**-**	Warm White	**087 WW**	**/**	Polycarbonate	**PC**	10° Angle Lens	**10D**
		17 W- 12 LED Model	**12*PS10**				Pure White	**100 PW**				15° Angle Lens	**15D**
		25,5 W- 18 LED Model	**18*PS10**				Neutral White	**100 NW**				30° Angle Lens	**30D**
		34 W- 24 LED Model	**24*PS10**									45° Angle Lens	**45D**

BANTWASHER MONO COLOR

Sample Selection;
BC 12*PS10 Z - 035 B / PC 15D
Bantwasher, 17 W - 12 LED model, ground mounting type, 035 lumen/LED - blue, polycarbonate profile, 15° angle lens

Product Series		Product Power		Mounting			Color Designation			Diffuser Type		Optical Angle Options	
Bantwasher	**BC**	11 W- 6 LED Model	**6*PS10**	Ground	**Z**	**-**	Blue	**035 B**	**/**	Polycarbonate	**PC**	10° Angle Lens	**10D**
		17 W- 12 LED Model	**12*PS10**				Amber	**052 A**				15° Angle Lens	**15D**
		25,5 W- 18 LED Model	**18*PS10**				Red	**052 R**				30° Angle Lens	**30D**
		34 W- 24 LED Model	**24*PS10**				Green	**087 G**				45° Angle Lens	**45D**

BANTWASHER TUNABLE WHITE

Sample Selection;
BC 36*PS10 Z - 087 T / PC 18D
Bantwasher, 52 W - 36 LED model, ground mounting type, 087 lumen/LED - tunable white, polycarbonate profile, 18° angle lens

Product Series		Product Power		Mounting			Color Designation			Diffuser Type		Optical Angle Options	
Bantwasher	**BC**	26 W- 18 LED Model	**18*PS10**	Ground	**Z**	**-**	Tunable White	**087 T**	**/**	Polycarbonate	**PC**	18° Angle Lens	**18D**
		52 W- 36 LED Model	**36*PS10**				DMX	**087 TX***				26° Angle Lens	**26D**
		78 W- 54 LED Model	**54*PS10**									30° Angle Lens	**30D**
		104 W- 72 LED Model	**72*PS10**										

BANTWASHER RGB

Sample Selection;
BC 36*PS10 Z - 052 Q / PC 18D
Bantwasher, 52 W - 36 LED model, ground mounting type, 035 lumen/LED - RGB, polycarbonate profile, 18° angle lens

Product Series		Product Power		Mounting			Color Designation			Diffuser Type		Optical Angle Options	
Bantwasher	**PR**	8,5 W- 18 LED Model	**18*PS10**	Ground	**Z**	**-**	RGB	**035 Q**	**/**	Polycarbonate	**PC**	18° Angle Lens	**18D**
		17 W- 36 LED Model	**36*PS10**				DMX	**035 QX***				26° Angle Lens	**26D**
		25 W- 54 LED Model	**54*PS10**									30° Angle Lens	**30D**
		34 W- 72 LED Model	**72*PS10**										

* DMX products includes slave unis inside of the products.
* DMX products work in 220 V AC, RGB products work in 24 V DC.

BANTWASHER SLIM

Linear Facade LED Lighting Luminaire

MN-W White

MN-C Mono Color

MX-TW Tunable White

MX-RGB RGB

BANTWASHER SLIM

Physical Specifications :

Body Specs.	: Aluminium injection, electrostatic powder coat body
Diffuser	: Polycarbonate
Protection class	: IP 67
Weight	: 0.5 kg - 6 LED (MN-W,MN-C) 0.5 kg - 18 LED (MX-RGB) 1,5 kg - 12 LED (MN-W,MN-C) 1,5 kg - 36 LED (MX-RGB) 2,5 kg - 18 LED (MN-W,MN-C) 2,5 kg - 54 LED (MX-RGB) 3,5 kg - 24 LED (MN-W,MN-C) 3,5 kg - 72 LED (MX-RGB)
Dimensions	: 254 x 67 x 68 mm - 6 LED (MN-W, MN-C) 254 x 67 x 68 mm - 18 LED (MX- RGB) 504 x 67 x 68 mm -12 LED (MN-W, MN-C) 504 x 67 x 68 mm - 36 LED (MX-RGB) 754 x 67 x 68 mm - 18 LED (MN-W, MN-C) 754 x 67 x 68 mm - 54 LED (MX-RGB) 1004 x 67 x 68 mm - 24 LED (MN-W, MN-C) 1004 x 67 x 68 mm - 72 LED (MX-RGB)

Performance Specification :

Working Temperature	: -20 C /+25°C
Rotation Angles	: 130°
Light Source	: Power LED
Color Options	: Pure White, Neutral White, Warm White, Tunable White, Red, Green, Blue, Amber, RGB
Angle Options	: 10° / 15° / 30° / 45° (White, Mono color) 18° / 26° / 30° (Tunable White, RGB)

Electrical Specifications :

Working Voltage	: 24 V DC
Rated Power (W)	: 11 W - 6 LED (MN-W, MN-C) 26 W - 18 LED (MX-RGB, MX-TW) 17 W - 12 LED (MN-W, MN-C) 52 W - 36 LED (MX-RGB, MX-TW) 25,5 W -18 LED (MN-W, MN-C) 78 W - 54 LED (MX-RGB, MX-TW) 34 W - 24 LED (MN-W, MN-C) 104 W - 72 LED (MX-RGB, MX-TW)

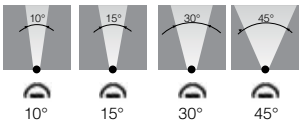
Application Areas :

Facade lighting, Concealed Lighting, Billboard Lighting

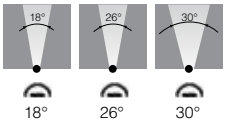
+25°C
-20°C

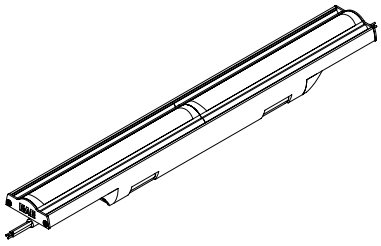
Optical Angle

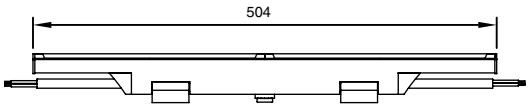
For MN-W and MN-C models

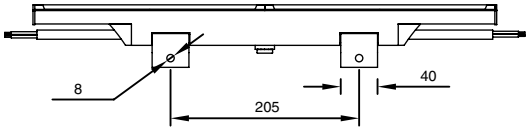


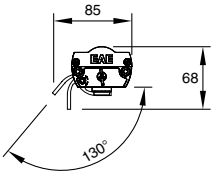
For MX-TW and MX-RGB models

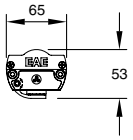












MN-W

WHITE

WHITE

COLOR	OPTICAL ANGLE	VOLTAGE (V)	POWER (W)	LUMINOUS FLUX (lm)
Warm White 2700K-3700K Neutral White 4000K-4500K Pure White 5500K-6500K	10° 15° 30° 45°	24 V DC	11 W 17 W 25,5 W 34 W	1260 - 3470

MN-C

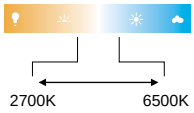
MONO COLOR

MONO COLOR

COLOR	OPTICAL ANGLE	VOLTAGE (V)	POWER (W)	LUMINOUS FLUX (lm)
Red Green Blue Amber	10° 15° 30° 45°	24 V DC	11 W 17 W 25,5 W 34 W	410 - 1890

MX-TW

TUNABLE WHITE



TUNABLE WHITE

COLOR	OPTICAL ANGLE	VOLTAGE (V)	POWER (W)	LUMINOUS FLUX (lm)
RGB DMX	18° 26° 30°	24 V DC	26 W 52 W 78 W 104 W	650 - 1370

MX-RGB

RGB

RGB

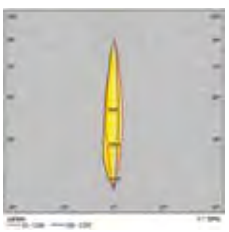
COLOR	OPTICAL ANGLE	VOLTAGE (V)	POWER (W)	LUMINOUS FLUX (lm)
RGB DMX	18° 26° 30°	24 V DC	26 W 52 W 78 W 104 W	650 - 1370

* Luminous flux that are specified above might be change due to developing LED technology. Due to the light color and usage of optical system, luminious flux might be changed.

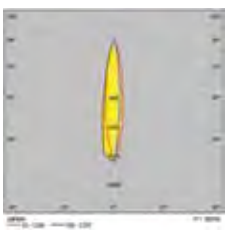
Detailed and up-to-date photometric data will be found in our web site.

Light Distribution Data

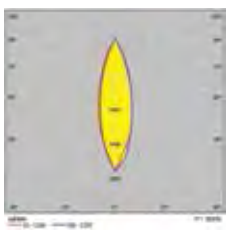
MN-W 10°



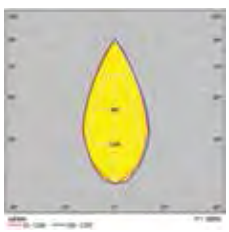
MN-W 15°



MN-W 30°



MN-W 45°



Contact us for detailed information about accessories

Product Selection Chart :

BANTWASHER SLIM WHITE

Sample Selection;

BC 12*PS10 U - 100 PW / PC 10D

Bantwasher, 17 W - 12 LED model, ground mounting type, 100 lumen/LED - pure white, polycarbonate profile, 10° angle lens luminaire

Product Series		Product Power		Mounting / Working Voltage	Color Designation			Diffuser Type		Optical Angle Options	
Bantwasher	**BC**	11 W- 6 LED Model	**6*PS10**	U / 24V DC	Warm White	**087 WW**	/	Polycarbonate	**PC**	10° Angle Lens	**10D**
		17 W- 12 LED Model	**12*PS10**		Pure White	**100 PW**				15°Angle Lens	**15D**
		25,5 W- 18 LED Model	**18*PS10**		Neutral White	**100 NW**				30° Angle Lens	**30D**
		34 W- 24 LED Model	**24*PS10**							45° Angle Lensli	**45D**

BANTWASHER SLIM MONO COLOR

Sample Selection;

BC 12*PS10 U - 035 B / PC 15D

Bantwasher, 17 W - 12 LED model, ground mounting type, 035 lumen/LED - blue, polycarbonate profile, 15° angle lens luminaire

Product Series		Product Power		Mounting / Working Voltage	Color Designation			Diffuser Type		Optical Angle Options	
Bantwasher	**BC**	11 W- 6 LED'li Model	**6*PS10**	U / 24V DC	Blue	**035 B**	/	Polycarbonate	**PC**	10° Angle Lens	**10D**
		17 W- 12 LED'li Model	**12*PS10**		Amber	**052 A**				15° Angle Lens	**15D**
		25,5 W- 18 LED'li Model	**18*PS10**		Red	**052 R**				30° Angle Lens	**30D**
		34 W- 24 LED'li Model	**24*PS10**		Green	**087 G**				45° Angle Lens	**45D**

BANTWASHER SLIM TUNABLE WHITE

Sample Selection;

BC 18*PS10 U - 087 T / PC 18D

Bantwasher, 26 W - 18 LED model, ground mounting type, 087 lumen/LED - tunable white, polycarbonate profile, 18° angle lens luminaire

Product Series		Product Power		Mounting / Working Voltage	Color Designation			Diffuser Type		Optical Angle Options	
Bantwasher	**BC**	26 W- 18 LED Model	**18*PS10**	U / 24V DC	Tunable White	**087 T**	/	Polycarbonate	**PC**	18° Angle Lens	**18D**
		52 W- 36 LED Model	**36*PS10**		DMX	**087 TX***				26° Angle Lens	**26D**
		78 W- 54 LED Model	**54*PS10**							30° Angle Lens	**30D**
		104 W- 72 LED Model	**72*PS10**								

BANTWASHER SLIM RGB

Sample Selection;

BC 18*PS10 U - 035 Q / PC 18D

Bantwasher, 26 W - 18 LED model, ground mounting type, 035 lumen/LED - RGB, polycarbonate profile, 18° angle lens luminaire

Product Series		Product Power		Mounting / Working Voltage	Color Designation			Diffuser Type		Optical Angle Options	
Bantwasher	**BC**	26 W- 18 LED Model	**18*PS10**	U / 24V DC	RGB	**035 Q**	/	Polycarbonate	**PC**	18° Angle Lens	**18D**
		52 W- 36 LED Model	**36*PS10**		DMX	**035 QX***				26° Angle Lens	**26D**
		78 W- 54 LED Model	**54*PS10**							30° Angle Lens	**30D**
		104 W- 72 LED Model	**72*PS10**								

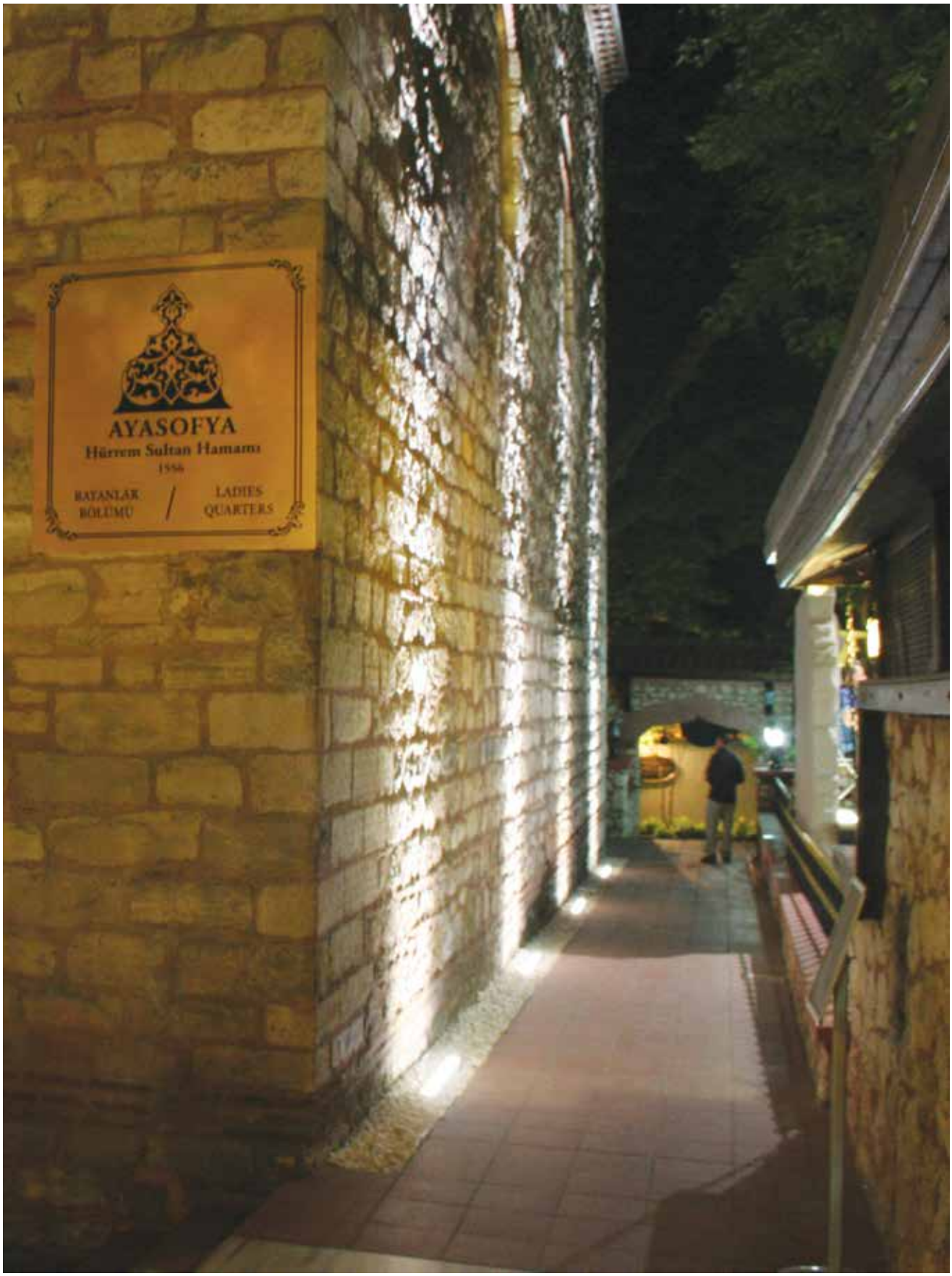
CEN-60-24 = Meanwell, 60 W; 24 V DC; Contant Voltage Power Supply, IP67

CLG-100-24 = Meanwell, 100 W; 24 V DC; Contant Voltage Power Supply, IP67

CLG-60-24 = Meanwell, 60 W; 24 V DC; Contant Voltage Power Supply, IP67

CLG-150-24 = Meanwell, 150 W; 24 V DC; Contant Voltage Power Supply, IP67

* DMX products includes slave unis inside of the products.
* DMX products work in 220 V AC, RGB products work in 24 V DC.
* 18 LEDs and 72 LEDs products are not producable for DMX models.


AYASOFYA
Hürrem Sultan Hamamı
1556
BAYANLAR BÖLÜMÜ
/
LADIES QUARTERS

DIPLED

Recessed Linear Wallwasher LED Luminaire

MN-W White

MN-C Mono Color

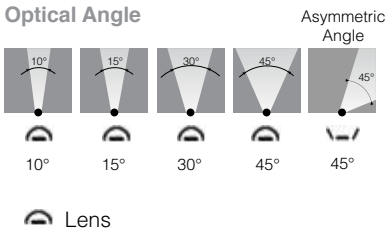
MX-TW Tunable White

MX-RGB RGB

DIPLED

Physical Specifications :

Body Specs.	: Aluminium injection monoblock body Silicon gasket
Diffuser	: Highest impact resistive special transperent tempered glass
Protection class	: IP 68
Impact Resistance	: IK 10
Weight	: 7,2 kg - 12 Led'li Model 7,6 kg - 18 Led'li Model 12,4 kg - 24 Led'li Model 15 kg - 36 Led'li Model
Dimensions	: 523 x 114 x 140 mm -12 LED (MN-W, MN-C) 925x 114 x 140 mm - 24 LED (MN-W, MN-C) 663 x 114 x 140 mm - 18 LED (MX-TW, MX-RGB) 1205 x 114 x 140 mm - 36 LED (MX-TW, MX-RGB)

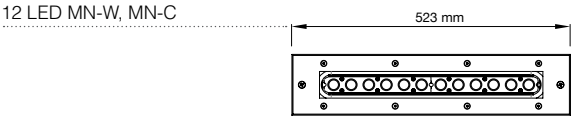


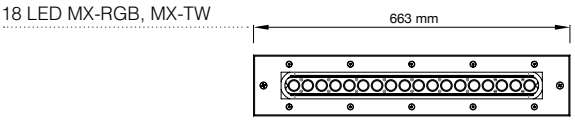
Performance Specification :

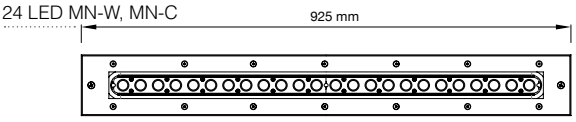
Working Temperature	: -20° / +45° C
Light Source	: Power LED
Color Options	: Pure White, Neutral White, Warm White, Red, Green, Blue, Amber, Tunable White, RGB
Angle Options	: 10°/15°/30°/45° optical lens options

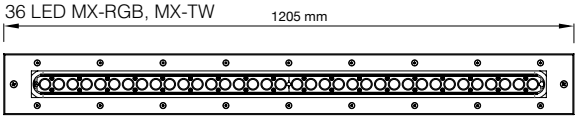
Electrical Specifications :

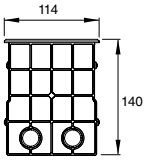
Working Voltage	: 220 - 240 V AC 50/60 Hz (MN-W, MN-C, MX-TW) 24 V DC (MX-RGB)
Rated Power (W)	: 15 W -12 LED (MN-W, MN-C) 26 W - 18 LED (MX-TX, MX-RGB) 30 W - 24 LED (MN-W, MN-C) 45 W - 36 LED (MX-TW, MX-RGB)

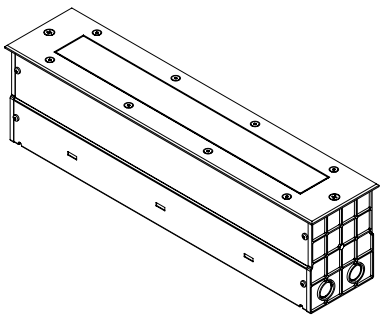












MN-W

WHITE

WHITE

COLOR	OPTICAL ANGLE	VOLTAGE (V)	POWER (W)	LUMINOUS FLUX (lm)
Warm White 2700K-3700K Neutral White 4000K-4500K Pure White 5500K-6500K	10° 15° 30° 45°	220-240V AC	15 W 30 W	800 lm ~ 2550 lm*

MN-C

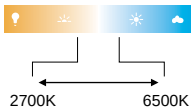
MONO COLOR

MONO COLOR

COLOR	OPTICAL ANGLE	VOLTAGE (V)	POWER (W)	LUMINOUS FLUX (lm)
Red Green Blue Amber	10° 15° 30° 45°	220-240V AC	15 W 30 W	250 lm ~ 1495 lm*

MX-TW

TUNABLE WHITE



TUNABLE WHITE

COLOR	OPTICAL ANGLE	VOLTAGE (V)	POWER (W)	LUMINOUS FLUX (lm)
Tunable White 2700K-6500K DMX	10° 15° 30° 45°	220-240V AC	26 W 45 W	800 lm ~ 2550 lm*

MX-RGB

RGB

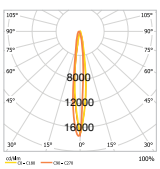
RGB

COLOR	OPTICAL ANGLE	VOLTAGE (V)	POWER (W)	LUMINOUS FLUX (lm)
RGB DMX	10° 15° 30° 45°	220-240V AC (DMX) 24 V DC (RGB)	26 W 45 W	670 lm ~ 1420 lm*

* Luminous flux that are specified above might be change due to developing LED technology. Due to the light color and usage of optical system, luminious flux might be changed.

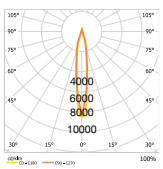
Detailed and up-to-date photometric data will be found in our web site.

Sample Lens Measurement



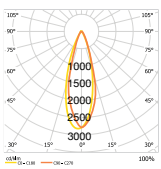
MN-W

10°



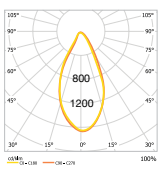
MN-W

15°



MN-W

30°



MN-W

45°

Contact us for detailed information about accessories

Product Selection Chart :

DIPLED WHITE

Sample Selection;
YG 12*P1-PW 10D
Recessed, 15 W - 12 led model, Pure white,10° angle lens luminaire

Product Series		Product Power		Color Designation		Optical Angle Options	
Dipled	**YG**	15 W - 12 LED Model	**12*P1**	Pure White	**PW**	10° Angle Lens	**10D**
		30 W - 24 LED Model	**24*P1**	Warm White	**WW**	15° Angle Lens	**15D**
				Neutral White	**NW**	30° Angle Lens	**30D**
						45° Angle Lens	**45D**
						Asymmetric Lens	**AS**

DIPLED MONO COLOR

Sample Selection;
YG 12*P1-R 15D
Recessed, 15 W - 12 LED model, Red,15° angle lens luminaire

Product Series		Product Power		Color Designation		Optical Angle Options	
Dipled	**YG**	15 W - 12 LED Model	**12*P1**	Amber	**A**	10° Angle Lens	**10D**
		30 W - 24 LED Model	**24*P1**	Red	**R**	15° Angle Lens	**15D**
				Green	**G**	30° Angle Lens	**30D**
				Blue	**B**	45° Angle Lens	**45D**
						Asymmetric Lens	**AS**

DIPLED TUNABLE WHITE

Sample Selection;
YG 18*P1-T 30D
Recessed, 26 W - 18 LED model, Tunable white, 30° angle lens luminaire

Product Series		Product Power		Color Designation		Optical Angle Options	
Dipled	**YG**	26 W - 18 LED Model	**18*P1**	Tunable White	**T**	10° Angle Lens	**10D**
		45 W - 36 LED Model	**36*P1**			15° Angle Lens	**15D**
						30° Angle Lens	**30D**
						45° Angle Lens	**45D**
						Asymmetric Lens	**AS**

DIPLED RGB

Sample Selection;
YG 36*P1-Q 10D
Recessed, 45 W- 36 LED Model, RGB, 10° angle lens luminaire

Product Series		Product Power		Color Designation		Optical Angle Options	
Dipled	**YG**	26 W - 18 LED Model	**18*P1**	RGB *	**Q**	10° Angle Lens	**10D**
		45 W - 36 LED Model	**36*P1**	RGB DMX *	**QX**	15° Angle Lens	**15D**
						30° Angle Lens	**30D**
						45° Angle Lens	**45D**
						Asymmetric Lens	**AS**

* DMX products includes slave unis inside of the products.
* DMX products work in 220 V AC, RGB products work in 24 V DC.

D-BAR

Linear Facade Detail / Contour LED Lighting Luminaire

MN-W White

MN-C Mono Color

MX-TW Tunable White

MX-RGB RGB

D-BAR

Physical Specifications :

Body Specs.	: PC profile, cover and bearing
Diffuser	: PC profile
Protection class	: IP67
Weight	: 0,200 kg/m
Dimensions	: (50/100/200/300/400/500/600/700/800 900/1000/1100/1200/1300/1400 1500) x 24 x 39 mm (MN-W, MN-C) (250/375/500/625/700/825/950/1075 1200/1375/1500) x 24 x 39 mm (MX-TW, MX-RGB)

Performance Specification :

Working Temperature	: -20° / +50° C
Rotation Angles	: 180°
Light Source	: Chip LED
Color Options	: Pure White, Neutral White, Warm White, Red, Green, Blue, RGB
Angle Options	: 120° angle (without lens)

Electrical Specifications :

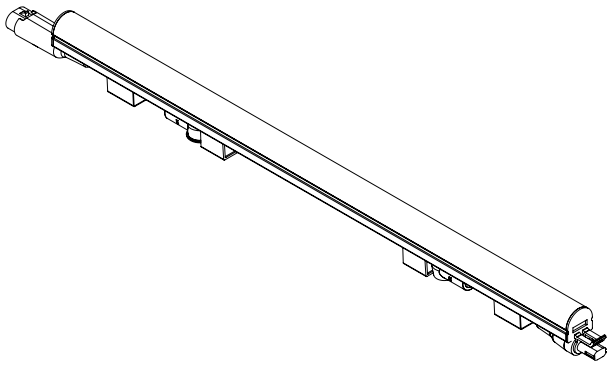
Working Voltage	: 48 V DC (MN-W, MN-C) 24 V DC (MX-TW, MX-RGB)
Rated Power (W)	: 10 W/m

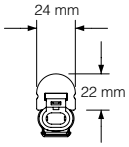
Application Areas :

Facade lighting, cover lighting, commercial lighting store lighting, jewellery windows lighting

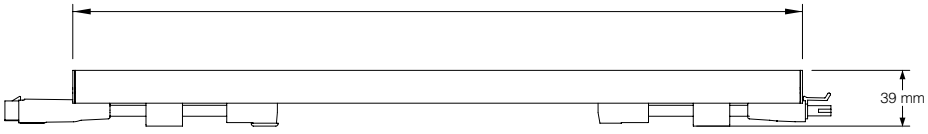
Optical Angle

120°





(50/100/200/300/400/500/600/700/800/900/1000/1100/1200/1300/1400/1500)
(MN-W, MN-C)
(250/375/500/625/700/825/950/1075/1200/1375/1500)
(MX-TW, MX-RGB)



MN-W

WHITE

WHITE

COLOR	OPTICAL ANGLE	VOLTAGE (V)	POWER (W)	LUMINOUS FLUX (lm)
Warm White 2700K-3700K	120° lenssiz LED açısı	48 V DC	10 W/m	620 lm/m
Neutral White 4000K-4500K				
Pure White 5500K-6500K				

MN-C

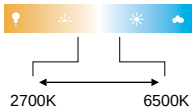
MONO COLOR

MONO COLOR

COLOR	OPTICAL ANGLE	VOLTAGE (V)	POWER (W)	LUMINOUS FLUX (lm)
Red	120° lenssiz LED açısı	48 V DC	10 W/m	100-250 lm/m
Green				
Blue				

MX-TW

TUNABLE WHITE



TUNABLE WHITE

COLOR	OPTICAL ANGLE	VOLTAGE (V)	POWER (W)	LUMINOUS FLUX (lm)
Red	120° lenssiz LED açısı	24 V DC	10 W/m	925 lm/m
Green				
Blue				

MX-RGB

RGB

RGB

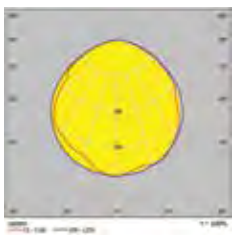
COLOR	OPTICAL ANGLE	VOLTAGE (V)	POWER (W)	LUMINOUS FLUX (lm)
Red	120° lenssiz LED açısı	24 V DC	10 W/m	250 lm/m
Green				
Blue				

* Luminous flux that are specified above might be change due to developing LED technology. Due to the light color and usage of optical system, luminious flux might be changed.

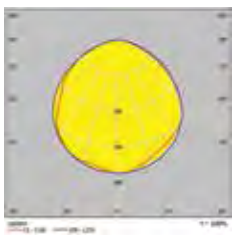
Detailed and up-to-date photometric data will be found in our web site.

Light Distribution Data

MN-W Nötr White



MN-W Pure White



Contact us for detailed information about accessories

Product Selection Chart :

D-BAR WHITE & MONO COLOR

Sample Selection;
DBA 60*C5-PW / 50 CM
D-Bar, 5 W - 60 LED, 50 cm, pure white model

Product Series		Product Power, Nr. of LED			Color Designation		Product Length	
D-BAR	**DBA**	5 W - 60 LED Model	**60*C5**	**-**	Pure White	**PW**	50 cm	/ 50
		6 W - 72 LED Model	**72*C6**		Warm White	**WW**	60 cm	/ 60
		7 W - 84 LED Model	**84*C7**		Neutral White	**NW**	70 cm	/ 70
		8 W - 96 LED Model	**96*C8**		Red	**R**	80 cm	/ 80
		9 W - 109 LED Model	**109*C9**		Green	**G**	90 cm	/ 90
		10 W - 120 LED Model	**120*C10**		Blue	**B**	100 cm	/ 100
		11 W - 132 LED Model	**132*C11**				110 cm	/ 110
		12 W - 144 LED Model	**144*C12**				120 cm	/ 120
		13 W - 156 LED Model	**156*C13**				130 cm	/ 130
		14 W - 168 LED Model	**168*C14**				140 cm	/ 140
		15 W - 180 LED Model	**180*C15**				150 cm	/ 150

D-BAR TUNABLE WHITE

Sample Selection;
DBA 36*C2 - T / 25
D-Bar, 3 W - 36 LED, 25 cm, tunable white model

Product Series		Product Power, Nr. of LED			Color Designation		Product Length	
D-BAR	**DBA**	3 W - 36 LED Model	**36*C2**	**-**	Tunable White	**T**	25 cm	/ 25
		3,5 W - 54 LED Model	**54*C3**				37,5 cm	/ 37,5
		5 W - 72 LED Model	**72*C4**				50 cm	/ 50
		5,5 W - 90 LED Model	**90*C5**				62,5 cm	/ 62,5
		7 W - 108 LED Model	**108*C6**				75 cm	/ 75
		8,5 W - 126 LED Model	**126*C7**				87,5 cm	/ 87,5
		10 W - 144 LED Model	**144*C8**				100 cm	/ 100
		11,5 W - 162 LED Model	**162*C9**				112,5 cm	/ 112,5
		13 W - 180 LED Model	**180*C10**				125 cm	/ 125
		14,5 W - 198 LED Model	**198*C11**				137,5 cm	/ 137,5
		16 W - 216 LED Model	**216*C12**				150 cm	/ 150

D-BAR RGB

Sample Selection;
DBA 12*C2 - Q / 25
D-Bar, 3 W - 12 LED, 25 cm, RGB model

Product Series		Product Power, Nr. of LED			Color Designation		Product Length	
D-BAR	**DBA**	3 W - 12 LED Model	**12*C2**	**-**	RGB *	**Q**	25 cm	/ 25
		3,5 W - 18 LED Model	**18*C3**		DMX *	**QX**	37,5 cm	/ 37,5
		5 W - 24 LED Model	**24*C5**				50 cm	/ 50
		5,5 W - 30 LED Model	**30*C6**				62,5 cm	/ 62,5
		7 W - 36 LED Model	**36*C7**				75 cm	/ 75
		8,5 W - 42 LED Model	**42*C8**				87,5 cm	/ 87,5
		10 W - 48 LED Model	**48*C10**				100 cm	/ 100
		11,5 W - 54 LED Model	**54*C11**				112,5 cm	/ 112,5
		13 W - 60 LED Model	**60*C12**				125 cm	/ 125
		14,5 W - 66 LED Model	**66*C13**				137,5 cm	/ 137,5
		16 W - 72 LED Model	**72*C15**				150 cm	/ 150

* DMX products includes slave unis inside of the products.
* DMX products work in 220 V AC, RGB products work in 24 V DC.

T-BAR

Linear Facade Detail / Contour LED Lighing Luminaire

MN-W White

MN-C Mono Color

T-BAR

Physical Specifications :

Body Specs.	: PC profile, cover and bearing
Diffuser	: PC profile
Protection class	: IP67
Weight	: 0,383 kg/m
Dimensions	: (500/600/700/800/800/900/1000/1100/1200/ 1300/1400/1500/2000) x 24x 50 mm

Performance Specification :

Working Temperature	: -20° / +45° C
Rotation Angles	: 180°
Light Source	: Chip LED
Color Options	: Pure White, Neutral White, Warm White, Red, Green, Blue
Angle Options	: 120° angle (without lens)

Electrical Specifications :

Working Voltage	: 220 - 240 V 50/60 Hz
Rated Power (W)	: 10 W/m

Application Areas :

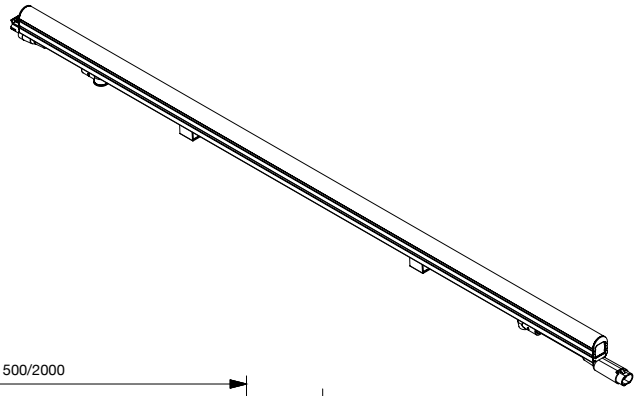
Facade lighting, cover lighting, commercial lighting store lighting, jewellery windows lighting

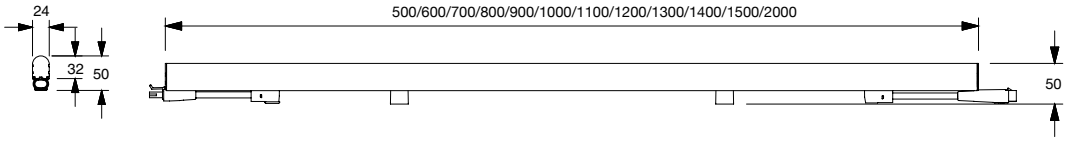
Technical Drawing :

+50°C
-20°C

Optical Angle

120°





MN-W

WHITE

WHITE

COLOR	OPTICAL ANGLE	VOLTAGE (V)	POWER (W)	LUMINOUS FLUX (lm)
Warm White 2700K-3700K	120° angle (without lens)	220-240 V AC	10 W/m	600-720 lm/m
Neutral White 4000K-4500K				
Pure White 5500K-6500K				

MN-C

MONO COLOR

MONO COLOR

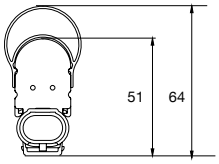
COLOR	OPTICAL ANGLE	VOLTAGE (V)	POWER (W)	LUMINOUS FLUX (lm)
Red	120° angle (without lens)	220-240 V AC	10 W/m	45-150 lm/m
Green				
Blue				

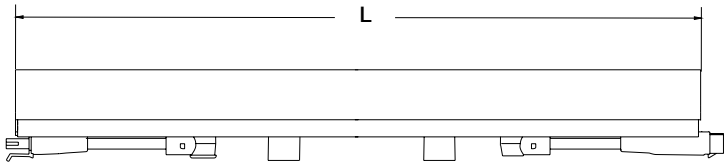
* Luminous flux that are specified above might be change due to developing LED technology. Due to the light color and usage of optical system, luminious flux might be changed.

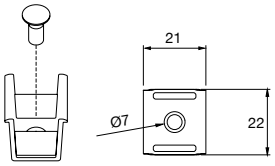
Detailed and up-to-date photometric data will be found in our web site.

Accessories

Fixed Mounting

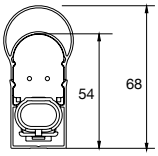


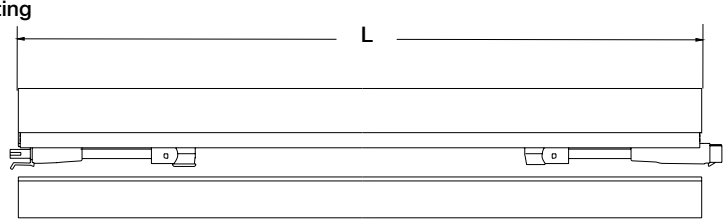


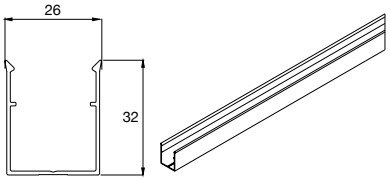


Fixed Mounting Kit

Channel Fixed Mounting

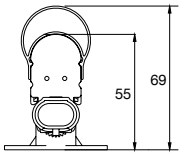


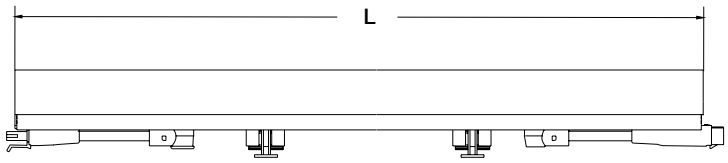


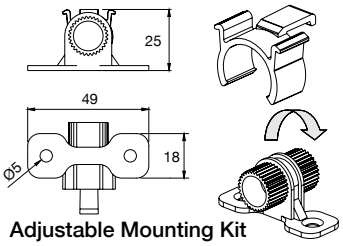


Aluminum or PVC Duct

Adjustable Mounting



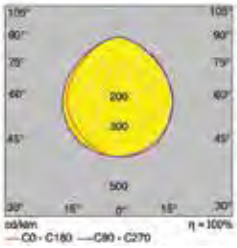




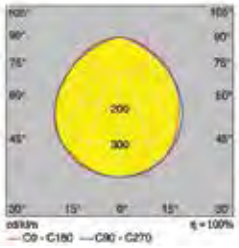
Adjustable Mounting Kit

Light Distribution Data

1 Meter T-Bar Neutral White



1 Meter T-Bar Warm White

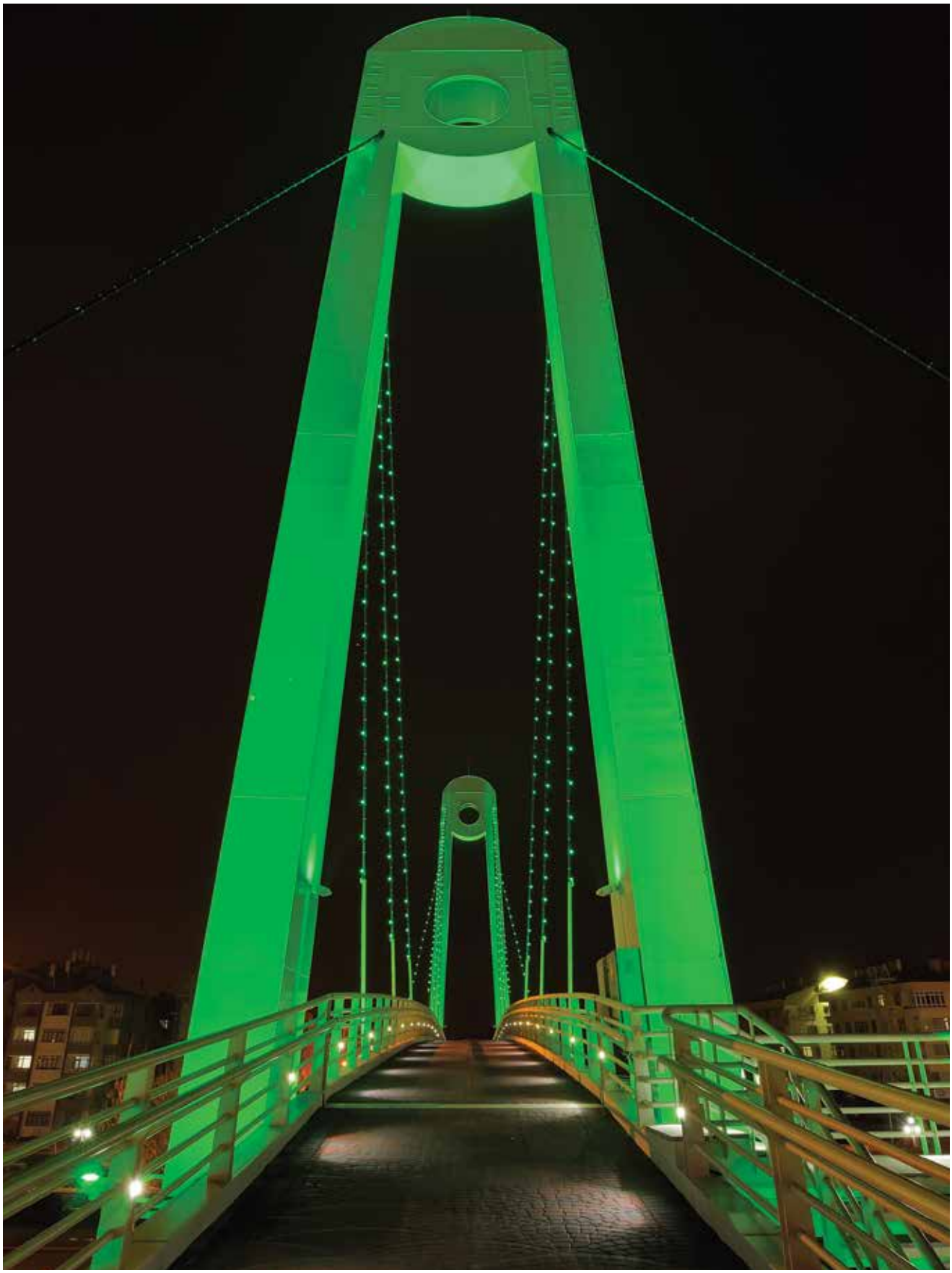


Product Selection Chart :

T-BAR WHITE & MONO COLOR

Sample Selection;
TBA 120*C10 WW
T-Bar, 10 W - 120 LED, 100 cm, warm white model

Product Power and Nr. of LED		Color Designation		Luminaire cm.
5 W - 60 LED Model	**60*C5**	Pure White	**PW**	50
6 W - 72 LED Model	**72*C6**	Warm White	**WW**	60
7 W - 84 LED Model	**84*C7**	Neutral White	**NW**	70
8 W - 96 LED Model	**96*C8**	Red	**R**	80
9 W - 108 LED Model	**108*C9**	Green	**G**	90
10 W - 120 LED Model	**120*C10**	Blue	**B**	100
11 W - 132 LED Model	**132*C11**			110
12 W - 144 LED Model	**144*C12**			120
13 W - 156 LED Model	**156*C13**			130
14 W - 168 LED Model	**168*C14**			140
15 W - 180 LED Model	**180*C15**			150
20 W - 240 LED Model	**240*C20**			200



SPOT

Spot Landscape LED Lighing Fixture

MN-W White

MN-C Mono Color

MX-TW Tunable White

MX-RGB RGB

SPOT

Physical Specifications :

Body Specs.	: Aluminium injection, Painted Housing O-ring
Diffuser	: Tempered Glass
Protection class	: IP67
Weight	: 2 kg. (integrated driver External Driver)
Dimensions	: 135 x 162 x 262

Performance Specification :

Working Temperature	: -20° /+25° C
Rotation Angles	: 180° (all directions)
Light Source	: Power LED
Color Options	: Pure White, Warm White, Neutral White Red, Green, Blue, Amber, Tunable White, RGB
Angle Options	: 10°, 15°, 30°, 45° (White Light Color) 18°, 26°, 30° (Mono color, Tunable white ve RGB)

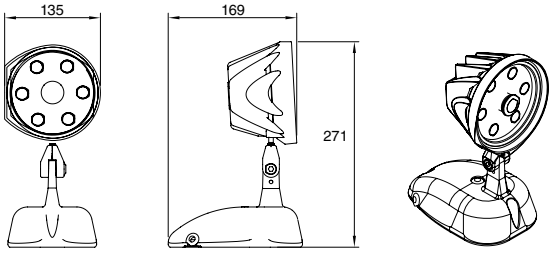
Electrical Specifications :

Working Voltage	: 220V AC / 24V DC
Rated Power (W)	: 15W - 6 LED (MN-W) 30W - 12 LED (MN-W) 25W - 18 LED (MN-C, MX-TW, MX-RGB)

Application Areas :

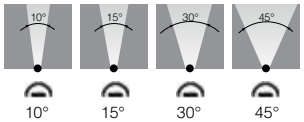
LED Outdoor Spotlight

Technical Drawings :

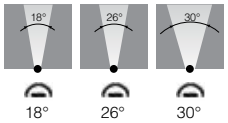


Integrated Driver Model

Optical Angle

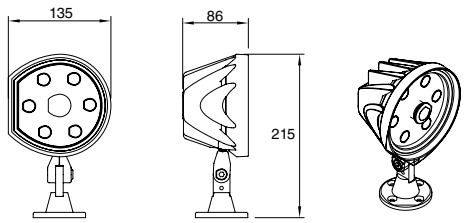


White ışık rengindeki modeller için geçerlidir.



Mono color, Tunable white ve RGB modeller için geçerlidir.

Lens



External Driver Model

MN-W

WHITE

WHITE

COLOR	OPTICAL ANGLE	VOLTAGE (V)	POWER (W)	LUMINOUS FLUX (lm)
Warm White 2700K-3700K Neutral White 4000K-4500K Pure White 5500K-6500K	10° 15° 30° 45°	24 V DC 220 V AC	15W 30W	6 LED 360-412 lm 12 LED 720- 824 lm

MN-C

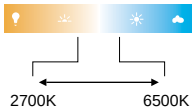
MONO COLOR

MONO COLOR

COLOR	OPTICAL ANGLE	VOLTAGE (V)	POWER (W)	LUMINOUS FLUX (lm)
Red Green Blue Amber	18° 26° 30°	24 V DC 220 V AC	25W	18 LED 375-1168 lm

MX-TW

TUNABLE WHITE



TUNABLE WHITE

COLOR	OPTICAL ANGLE	VOLTAGE (V)	POWER (W)	LUMINOUS FLUX (lm)
Tunable White 2700K-6500K	18° 26° 30°	24 V DC 220 V AC	25W	18 LED 1160 lm

DMX

MX-RGB

RGB

RGB

COLOR	OPTICAL ANGLE	VOLTAGE (V)	POWER (W)	LUMINOUS FLUX (lm)
RGB	18° 26° 30°	24 V DC 220 V AC	25W	18 LED 514,5 lm

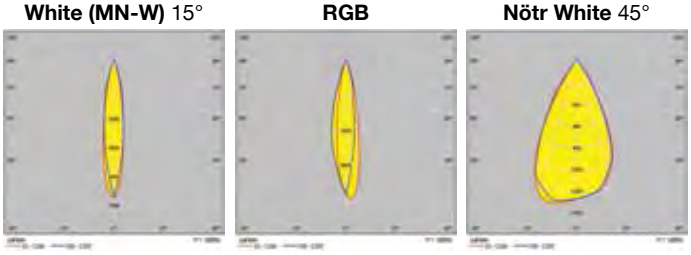
DMX

* Luminous flux that are specified above might be change due to developing LED technology. Due to the light color and usage of optical system, luminious flux might be changed.

Detailed and up-to-date photometric data will be found in our web site.

Light Distribution Data

White (MN-W) 15° **RGB** **Nötr White** 45°



Contact us for detailed information about accessories

Product Selection Chart :

SPOT WHITE

Sample Selection;

CST 6*PS22Z-100PW / C 10D
Spot, 15 W - 6 LED, 100 lumen/W Pure white, plain glass, 10° model

Product Series	Product Power		Driver Options		Color Designation		Diffuser Type	Optical Options	
Spot CST	15 W-6 LED Model	**6*PS22**	Internal Model	**Z**	Warm White	**087WW**	Plain Glass **C**	10° Angle Lens	**10D**
	30 W-12 LED Model	**12*PS22**	External Model	**U**	Pure White	**100PW**		15° Angle Lens	**15D**
					Neutral White	**100NW**		30° Angle Lens	**30D**
								45° Angle Lens	**45D**

SPOT MONO COLOR

Sample Selection;

CST 6*PS22Z-100PW / C 10D
Spot, 25 W - 18 LED, 87 lumen/W Red, plain glass, 18° model

Product Series	Product Power		Driver Options		Color Designation		Diffuser Type	Optical Options	
Spot CST	25 W-18 LED Model	**18*PS11**	Internal Model	**Z**	Red	**052R**	Plain Glass **C**	18° Angle Lens	**18D**
			External Model	**U**	Green	**087G**		26° Angle Lens	**26D**
					Blue	**035B**		30° Angle Lens	**30D**
					Amber	**052A**			

SPOT TUNABLE WHITE

Sample Selection;

CST 6*PS22Z-100PW / C 10D
Spot, 25 W - 18 LED, 87 lumen/W Red, plain glass, 18° model

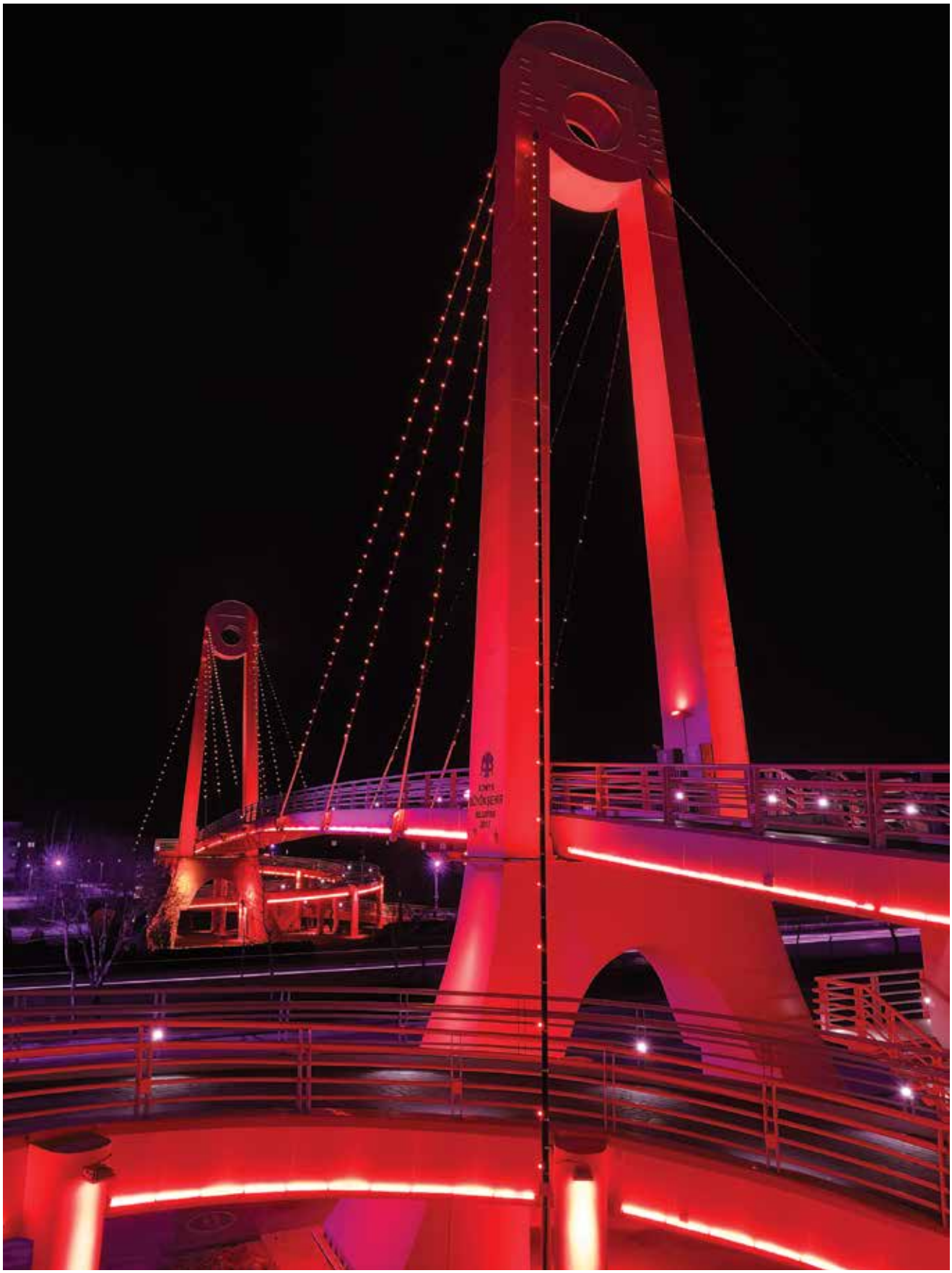
Product Series	Product Power		Driver Options		Color Designation		Diffuser Type	Optical Options	
Spot CST	25 W-18 LED Model	**18*PS11**	Internal Model	**Z**	Tunable White	**087T**	Plain Glass **C**	18° Angle Lens	**18D**
			External Model	**U**				26° Angle Lens	**26D**
								30° Angle Lens	**30D**

SPOT RGB

Sample Selection;

CST 6*PS22Z-100PW / C 10D
Spot, 25 W - 18 LED, 87 lumen/W RGB, plain glass, 18° model

Product Series	Product Power		Driver Options		Color Designation		Diffuser Type	Optical Options	
Spot CST	25 W-18 LED Model	**18*PS11**	Internal Model	**Z**	RGB	**052Q**	Plain Glass **C**	18° Angle Lens	**18D**
			External Model	**U**				26° Angle Lens	**26D**
								30° Angle Lens	**30D**



MINI SPOT

Mini Spot Landscape LED Lighting Fixture

MN-W White

MN-C Mono Color

MX-TW Tunable White

MX-RGB RGB

MINI SPOT

Physical Specifications :

Body Specs.	: Aluminium injection, Painted Housing O-ring
Body color	: Specially designed coating for external applications (black,white,grey)
Diffuser	: Glass
Protection class	: IP67
Weight	: 0,8 kg
Dimensions	: Ø75x148x210

Performance Specification :

Working Temperature	: -20° /+25° C
Rotation Angles	: 180° (all directions)
Light Source	: Power LED
Color Options	: Pure White, Warm White, Neutral White Red, Green, Blue, Amber, Tunable White, RGB
Angle Options	: 19°, 30° (White, Mono Color) 22°, 29° (RGB, Tunable White)

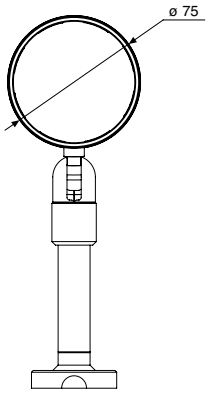
Electrical Specifications :

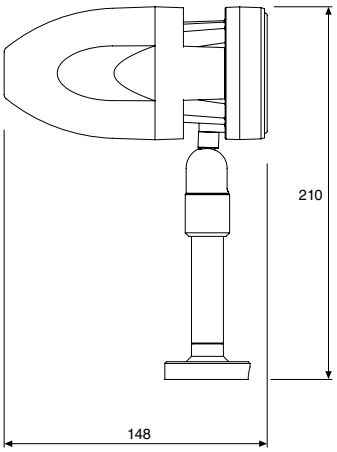
Working Voltage	: Mono color, White - 220V AC RGB, Tunable White - 12 V DC
Rated Power (W)	: 6 (7.8) W - 6 LED

Application Areas :

LED Outdoor Spotlight

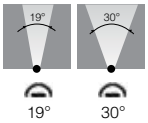
Technical Drawings



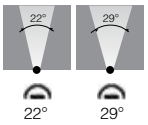


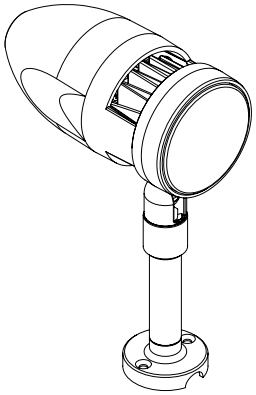
Optical Angle

White and Mono Color Model



RGB ve Tunable White Model





MN-W

WHITE

WHITE

COLOR	OPTICAL ANGLE	VOLTAGE (V)	POWER (W)	LUMINOUS FLUX (lm)
Warm White 2700K-3700K Neutral White 4000K-4500K Pure White 5500K-6500K	19° 30°	220-240 V AC	6 W	180-210 lm

MN-C

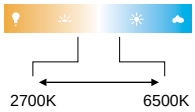
MONO COLOR

MONO COLOR

COLOR	OPTICAL ANGLE	VOLTAGE (V)	POWER (W)	LUMINOUS FLUX (lm)
Red Green Blue Amber	19° 30°	220-240 V AC	6 W	125-160 lm

MX-TW

TUNABLE WHITE



TUNABLE WHITE

COLOR	OPTICAL ANGLE	VOLTAGE (V)	POWER (W)	LUMINOUS FLUX (lm)
Tunable White 2700K-6500K	22° 29°	12V DC	6 W	150-180 lm

MX-RGB

RGB

RGB

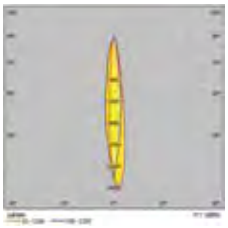
COLOR	OPTICAL ANGLE	VOLTAGE (V)	POWER (W)	LUMINOUS FLUX (lm)
RGB	22° 29°	12V DC	6 W	100-120 lm

* Luminous flux that are specified above might be change due to developing LED technology. Due to the light color and usage of optical system, luminious flux might be changed.

Detailed and up-to-date photometric data will be found in our web site.

Light Distribution Data

Pure White (PW)



Contact us for detailed information about accessories

Product Selection Chart :

MINI SPOT WHITE

Sample Selection;

MS 6* PS10Z - 87WW /19D
Mini Spot, 6 W - 6 LED, 100 lumen / WW Warm white, plain glass, 19° model

Product Series		Product Power		Driver Options		Color Designation		Diffuser Type	Optical Options	
Mini Spot	**MS**	6 W-6 LED Model	**6*PS22**	Ground Mointing	**Z**	Warm White	**087WW**	Plain Glass **C**	19° Angle Lens	**19D**
						Pure White	**100PW**		30° Angle Lens	**30D**
						Neutral White	**100NW**			

MINI SPOT MONO COLOR

Sample Selection;

MS 6* PS10Z - 052R /C 30D
Mini Spot, 6 W - 6 LED, Red, plain glass, 30° model

Product Series		Product Power		Driver Options		Color Designation		Diffuser Type	Optical Options	
Mini Spot	**MS**	6 W-6 LED Model	**6*PS10**	Ground Mointing 220 V AC	**Z**	Red	**052R**	Plain Glass **C**	19° Angle Lens	**19D**
						Green	**087G**		30° Angle Lens	**30D**
						Blue	**035B**			
						Amber	**052**			

MINI SPOT TUNABLE WHITE

Sample Selection;

MS 6* PS10 - 087T/C 22D
Mini Spot, 6 W - 6 LED, TW, plain glass, 22° model

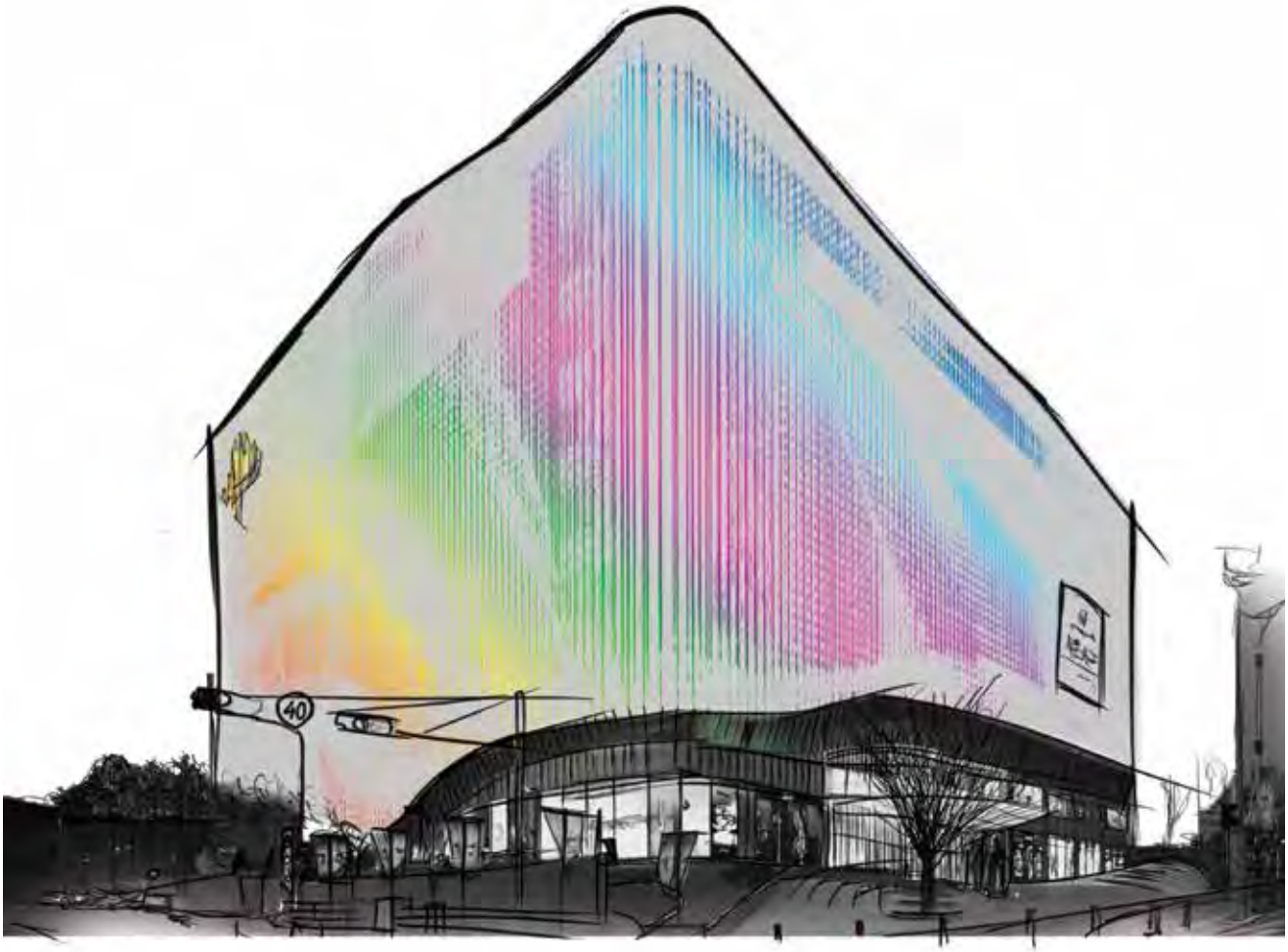
Product Series		Product Power		Driver Options		Color Designation		Diffuser Type	Optical Options	
Mini Spot	**MS**	6 W-6 LED Model	**6*PS10**	Ground Mounting 12 V DC	**Z**	Tunable White	**087T**	Plain Glass **C**	22° Angle Lens	**22D**
									29° Angle Lens	**29D**

MINI SPOT RGB

Sample Selection;

MS 6* PS10U - 052Q/C 29D
Mini Spot, 6 W - 6 LED, RGB, plain glass, 29° model

Product Series		Product Power		Driver Options		Color Designation		Diffuser Type	Optical Options	
Mini Spot	**CTS**	6 W-6 LED Model	**6*PS10**	External Model	**U**	RGB	**052Q**	Plain Glass **C**	22° Angle Lens	**22D**
									29° Angle Lens	**29D**



Pixelmesh

Pixelstick

Barisoled

Pixelmesh

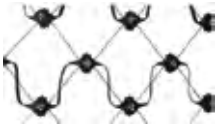
Indoor-outdoor visual continuity

Project Basis Special Solutions

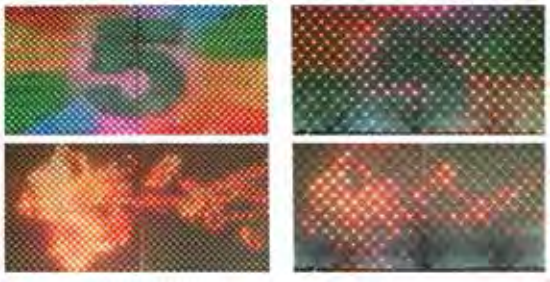
Lumifasart medifacade solutions is based on "Pixelmesh" and "Pixelstick" which are controllable RGB LED pixels.
Lumifasart make special solutions for project basis.

- Resistance for outdoor conditions and UV rays
- Easy mount option for replacing
- Dynamic visual content for advertorial purposes
- Tough mechanical design
- Less connection point for less weight on mounting surface

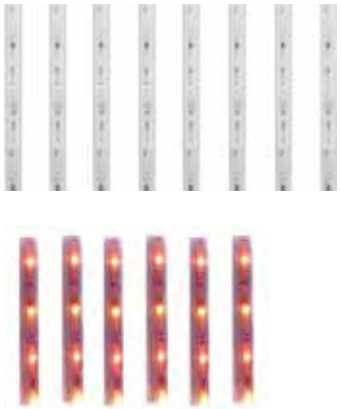
Close view
(Pixel distance is narrow)



Far view
(Pixel distance is wide)

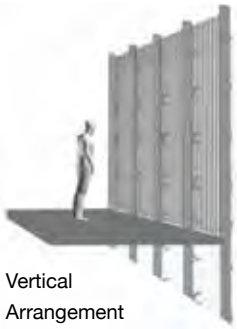


Pixelstick



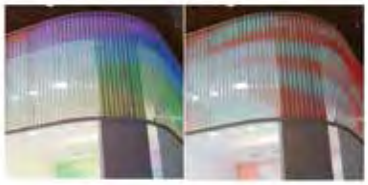
Indoor-outdoor visual continuity
PC Body for transparent appearance

Horizontal
Arrangement



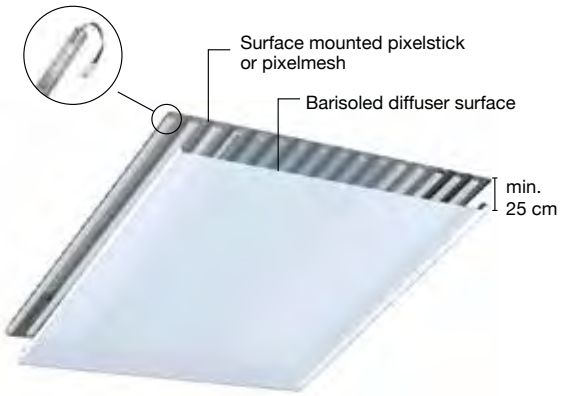
Vertical
Arrangement

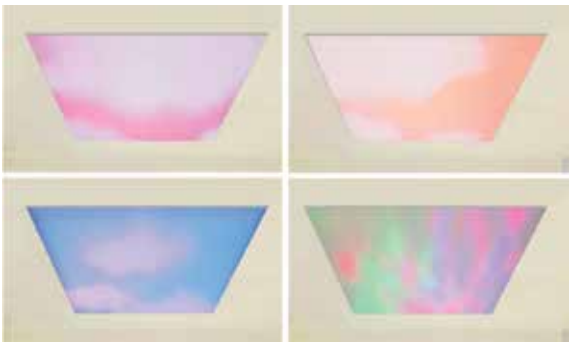
- Resistance for outdoor conditions and UV rays
- Easy mount option for replacing
- Dynamic visual content for advertorial purposes
- Tough mechanical design
- Less connection point for less weight on mounting surface



Barisoled

- Ceiling and wall mounting options
- Changable pixel gap distance
- DMX Controllable
- PC body for minimum weight
- Special design and sizing per project*



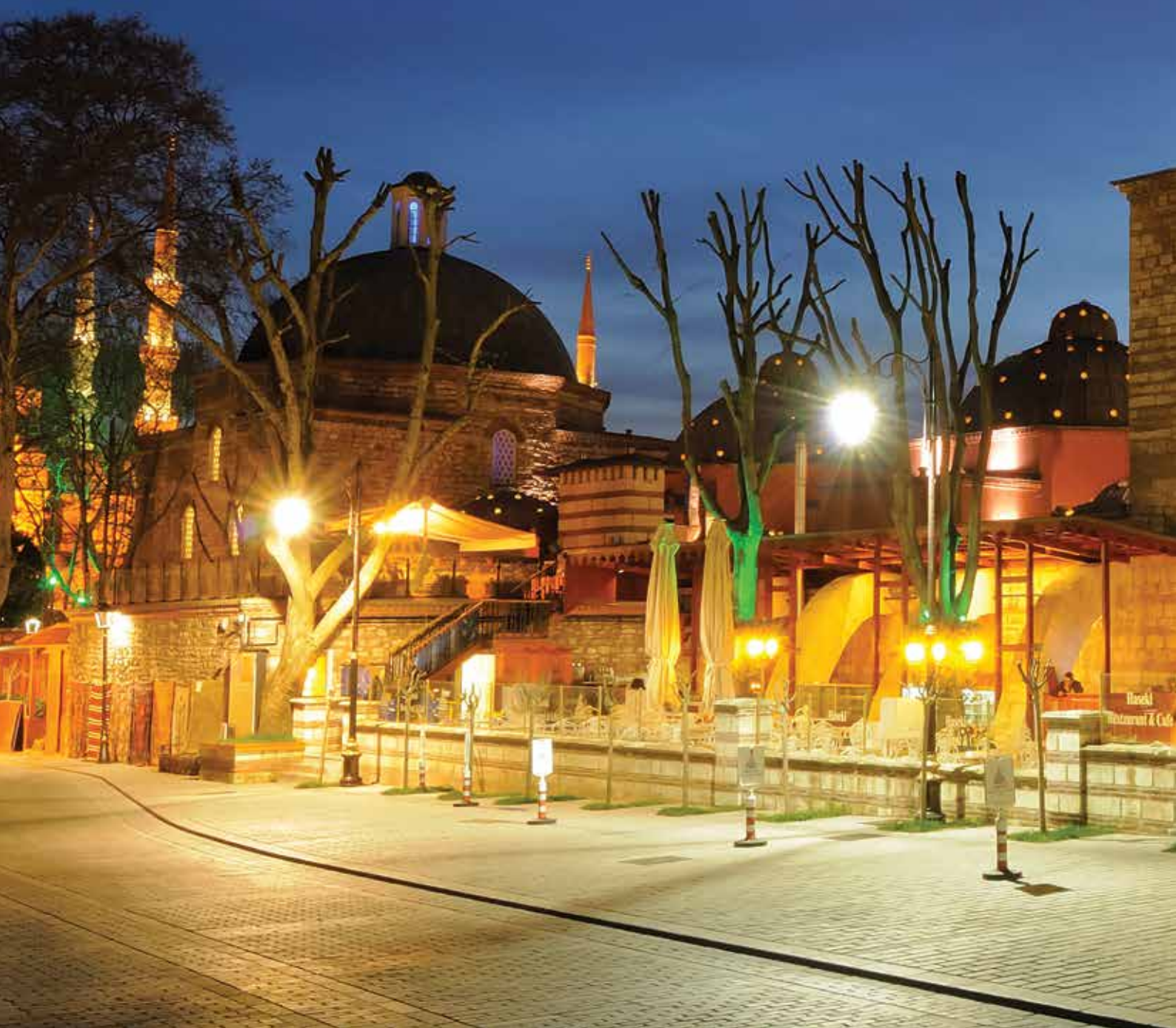


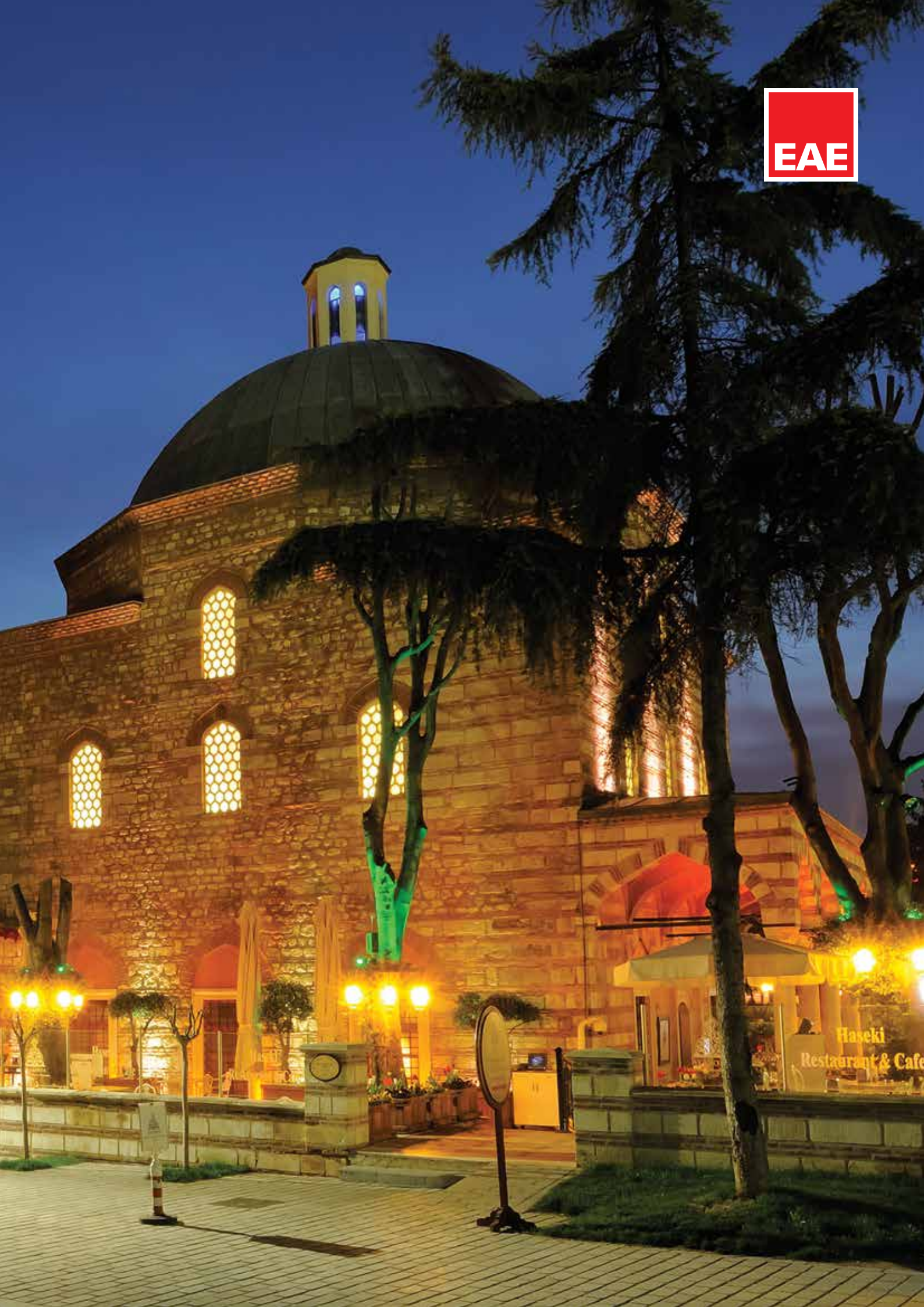
*EAE Elektroteknik A.Ş only supports for lighting luminaire, control system and its software.

** Contact us for detailed information on current white barisoled application solutions.

PROJECT IDENTITY

Owner	: Hürrem Sultan Hamamı
Architecture	: Kobuilas & Partners
General Contractor	: Sistem İnşaat San. ve Tic. A.Ş
Lighting design	: EAE / Lumifasart
Video design	: EAE / Lumifasart
Lighting company	: EAE Elektroteknik A.Ş.
Applied products	: EAE Prolit Tunable White
	EAE Walight Warm White
	EAE LED pixel
	EAE LEDBAR
	EAE DMX Controllers and Software




EAE
Haseki
Restaurant & Cafe

96406 Signal Amplifier

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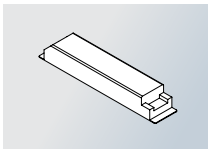
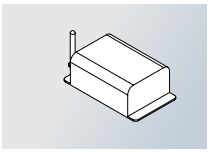
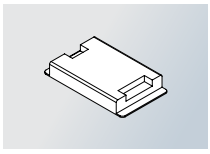
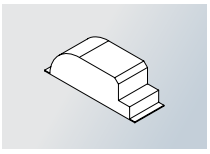
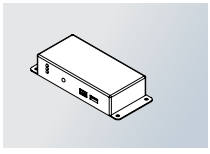
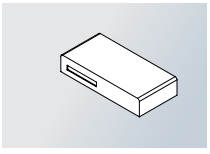
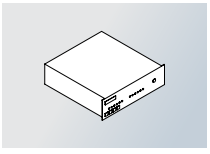
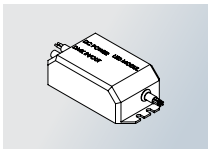
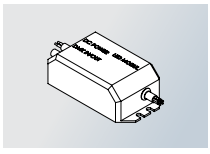
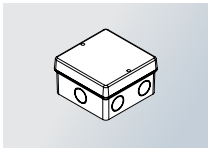
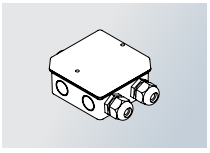
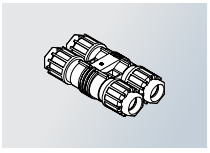
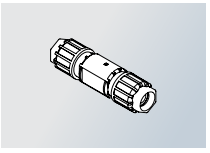
Signal Repeater	98
Signal Distributor	99
Junction and Connectors	100

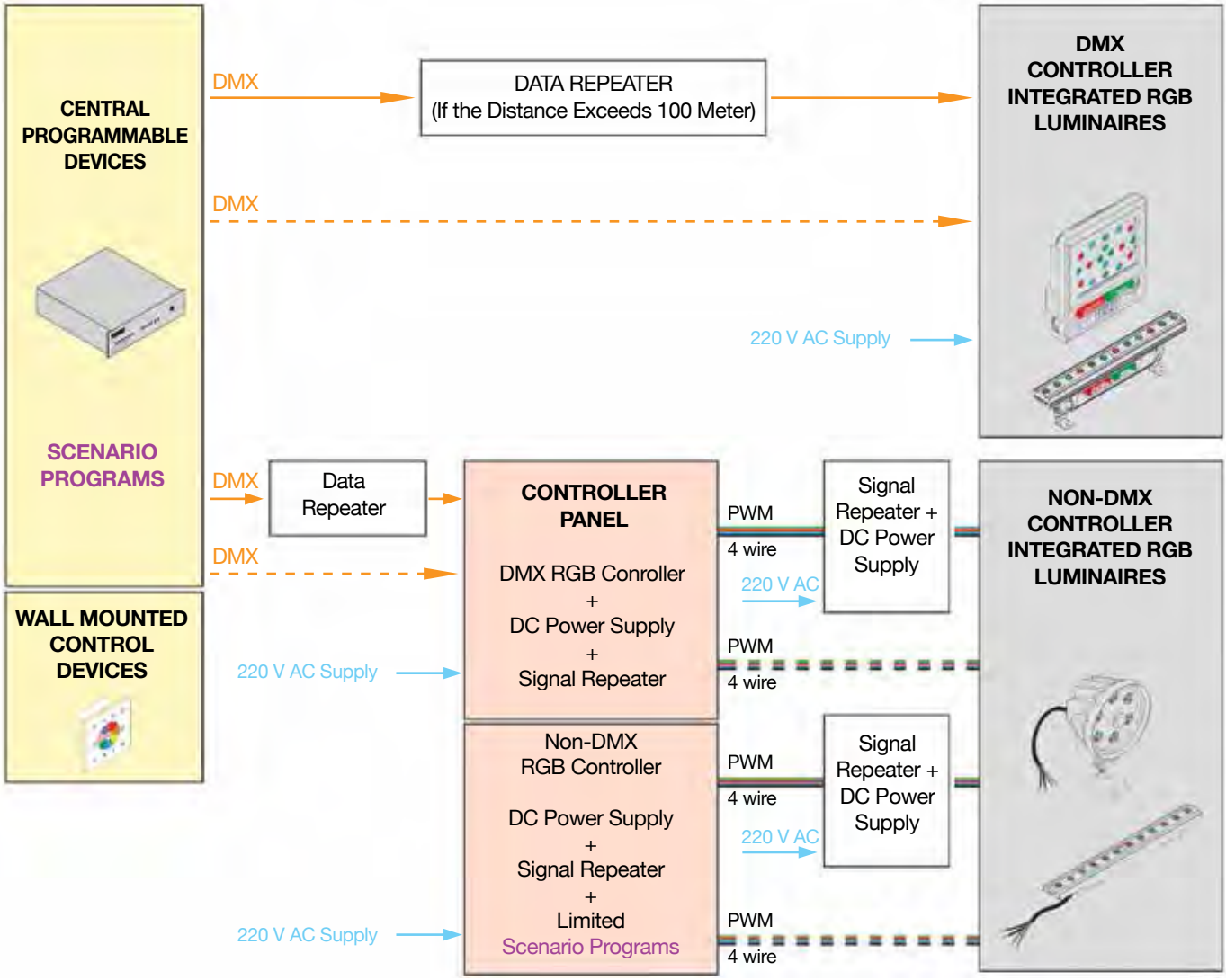
RGB/ Tunable White Units

RGB CONTROL UNITS	 96413	 96412
SIGNAL REPEATER	 96411	 96414

DMX Units

DMX CONTROL UNITS	 96403	 96404	 96405	
SIGNAL REPEATER	 96406			
SIGNAL DISTRIBUTOR	 96407			
JUNCTION and CONNECTORS	 95016	 96401	 C Tipi	 H Tipi

TOPOLOGY



RGB

RGB is abbreviaton for RED, GREEN AND BLUE. You can make different color variations by changing the brightness of these 3 LED's with the help of the RGB control units.

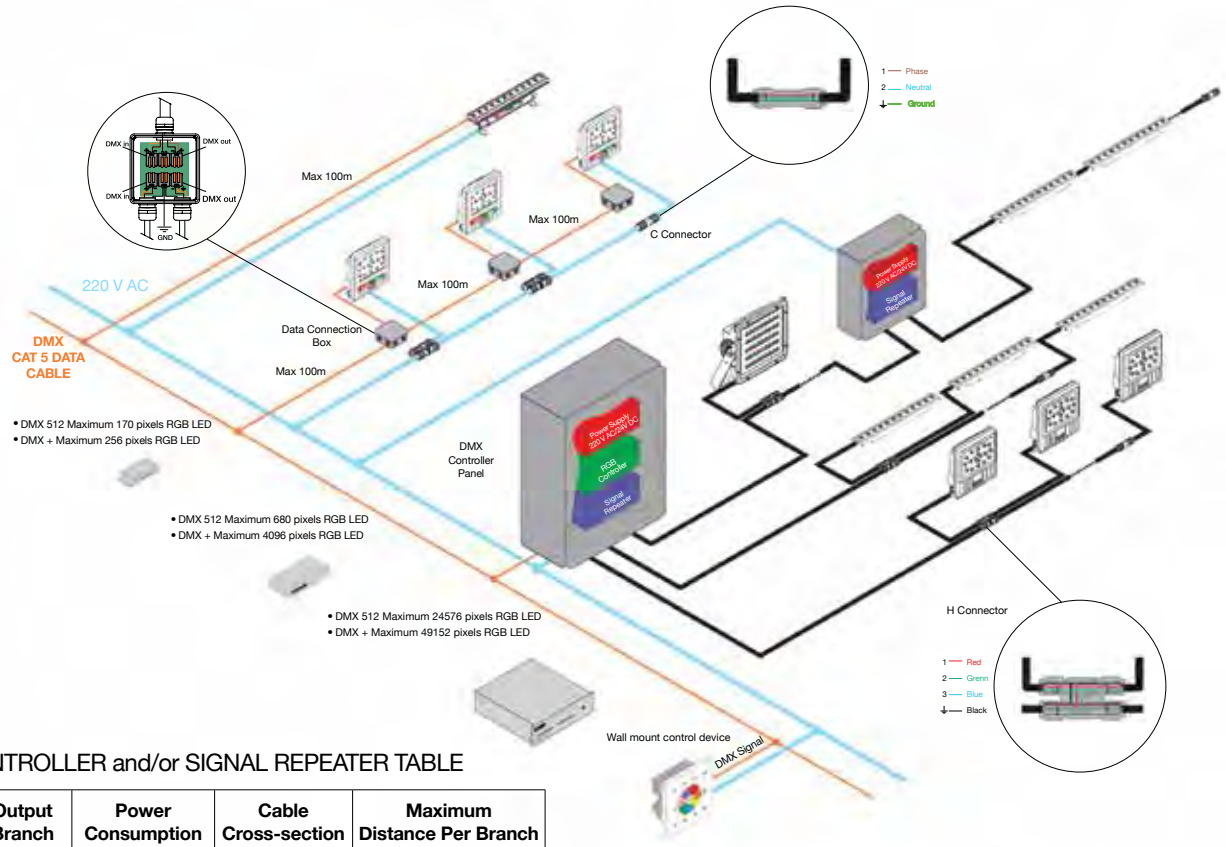
TUNABLE WHITE

It is important to determine the right color temperature due to the illuminated place specifications and functions. This system works by the changing the brightness of 3 white LEDs (warm white, neutral white, pure white) inside of the luminaire with the help of the RGB control system units.

DMX CONTROL

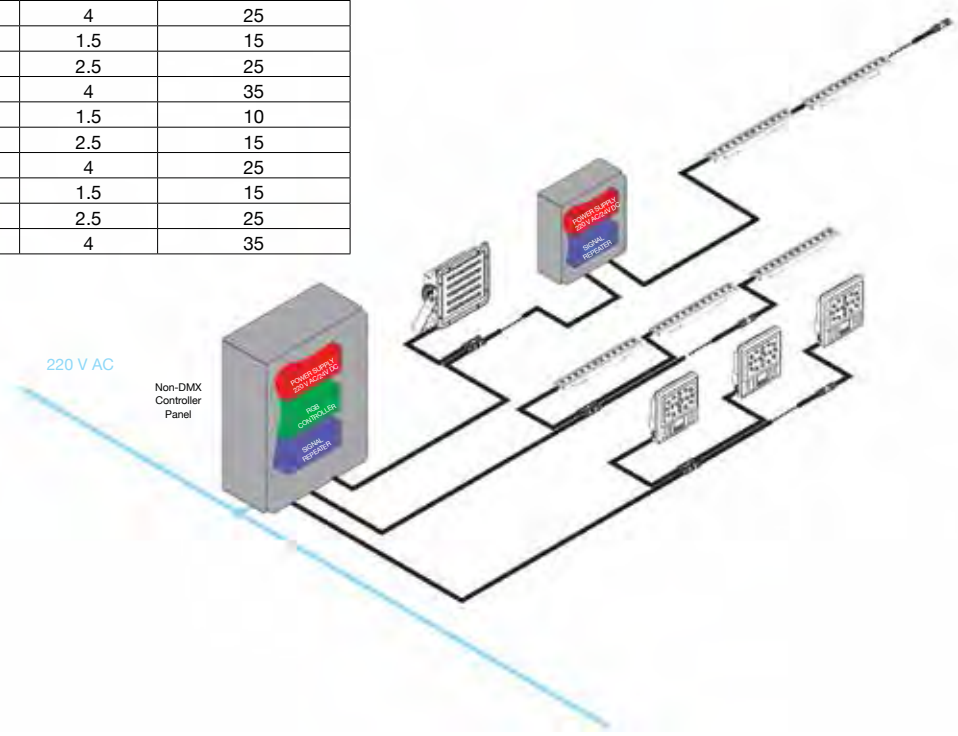
DMX- (Digital Multiplex) is a communication protocol in lighting industry for communicating remotely intelligent luminaires. DMX 512 is widely using in show business. DMX 512 can communicate up to 512 devices. DMX protocol works with the basis of master / slave structure and has a system unit of minimum 1 master DMX control unit, 1 slave dimmer and 1 luminare. If the controllable distance increase between luminares and control unit, signal repeater must be used.

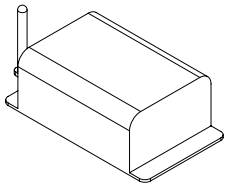
DMX CONTROL UNITS



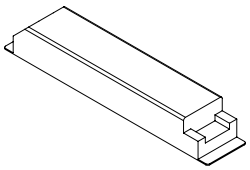
CONTROLLER and/or SIGNAL REPEATER TABLE

Panel Power (W)	Output Branch Number	Power Consumption Per Branch (W)	Cable Cross-section (mm2)	Maximum Distance Per Branch (m)
600	3	200	1.5	10
		200	2.5	15
		200	4	25
600	6	100	1.5	15
		100	2.5	25
		100	4	35
1000	5	200	1.5	10
		200	2.5	15
		200	4	25
1000	10	100	1.5	15
		100	2.5	25
		100	4	35

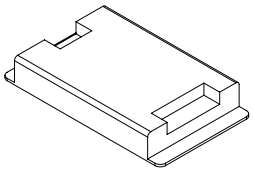




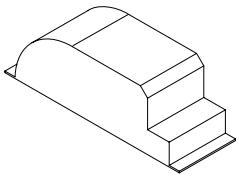
96412 LED RGB Control Units



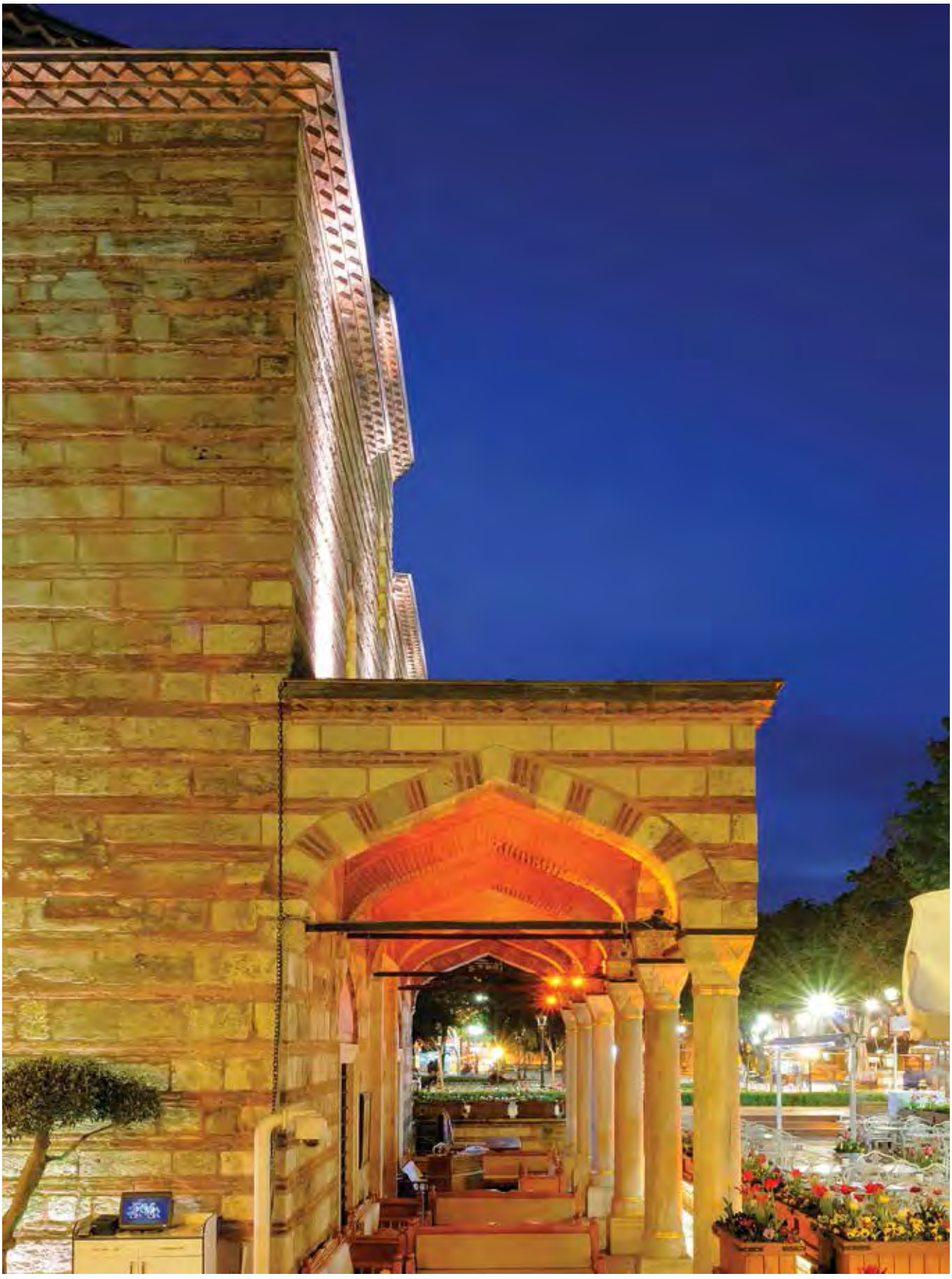
96413 LED RGB Control Units



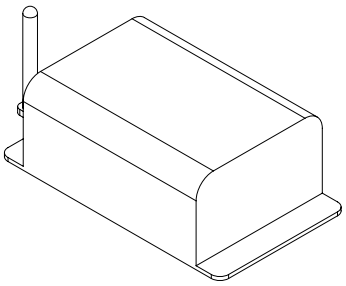
96411 LED RGB Signal Repeater

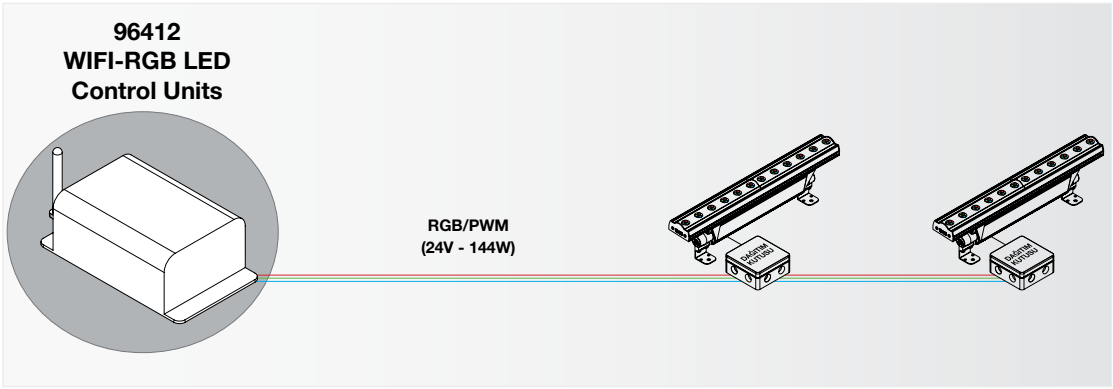


96414 LED RGB Signal Repeater



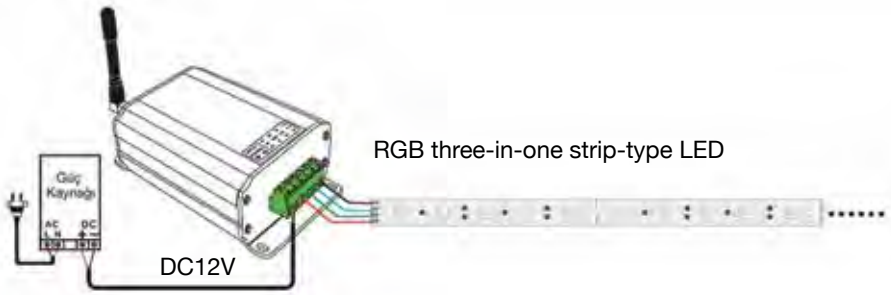
96412 LED RGB Control Units



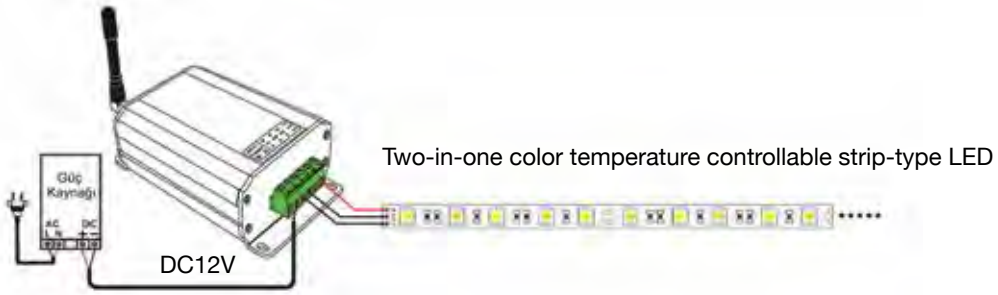


Input Voltage	:	DC12V~DC24V
Output Current	:	Max. 3A*3
Control Range	:	Max. 100 M
RGB Color Change Mode	:	32 Constant Mode, 8 DIY Mode
Image Mode	:	9
Working Temperature	:	-20°C~50°C
Dimensions	:	L 127,6 x W 73 x H 44.5 (mm)
Weight	:	290 gr.

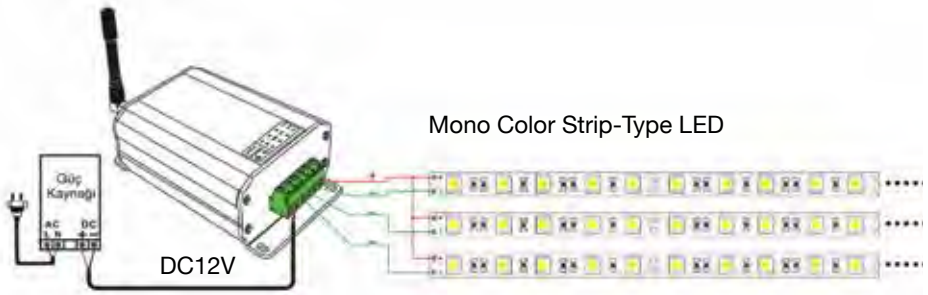
1. RGB Driver Connection Diagram



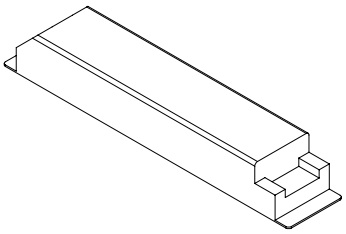
2. CT Dimmable Driver Connection Diagram



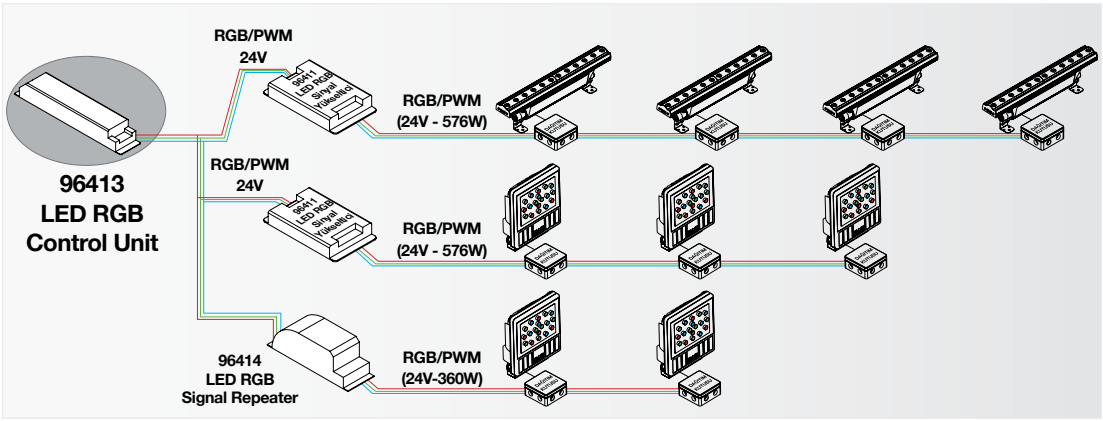
3. DIM Dimmable Driver Connection Diagram



96413 LED RGB Control Units

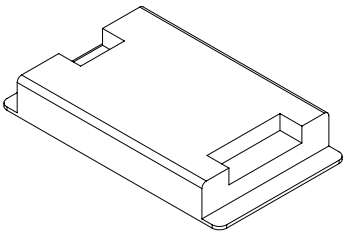


96413 is a multi-function RGB controller that built-in 32 modes. Adopting advanced PWM (Pulse-Width Modulation) control technique, Changing effect is smooth without flicker. Adopting hi-power MOS driver, RGB 3 channels output and total current up to 18A, Unique touch technique, Controller has 8 touch buttons, Which are used for choosing power on or off, pause, modes changed, speed, LED brightness, etc. Also can use RF wireless remote control for long-distance control. The controller has learning function, Which suits remote control with different mode & coded address, Automatically adapt to DC12-24V voltage input, Suitable for major & conventional LED products, Such as LED strip, LED module. Etc. Simply put, As long as low voltage LED lights whose current limited by resister. Then 96413 can control.

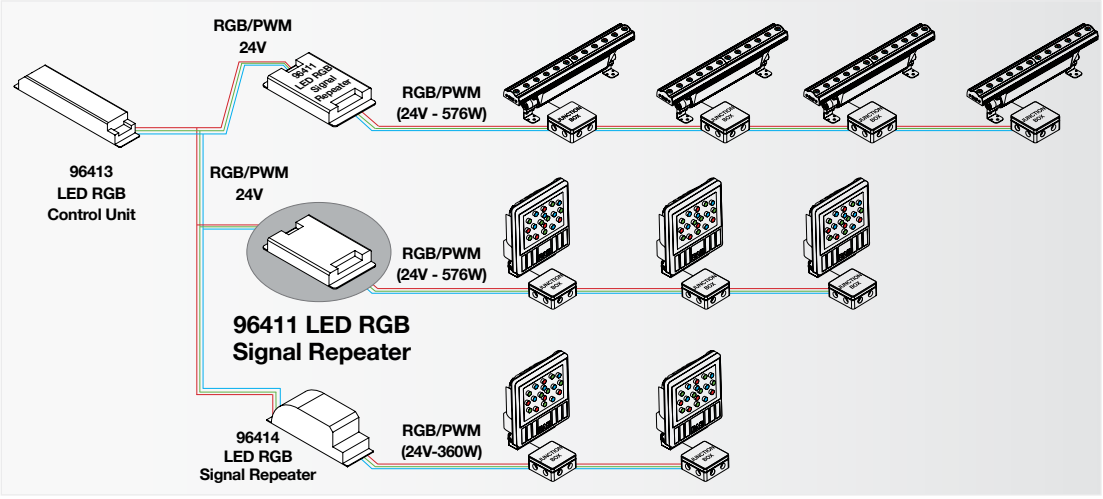


Input Voltage	:	DC12V ~ DC24V
Maximum Load Current	:	6A/CH x3 Max. 18A
Maximum Load Power	:	216W/43W(12V/24V)
Remote Control Range	:	50m with obstacles : 100 m without obstacles
Working Temperature	:	-30°C~ 55°C
Dimensions	:	L 211 x W 40 x H 30 (mm)
Weight	:	250

96411 LED RGB Signal Repeater

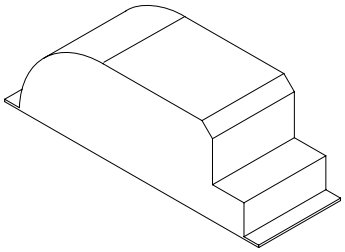


96411 Signal Repeater unit has 3 RGB outputs which can controllable by PVM. It has an output of 3 ampere per channel (total 24 ampere)

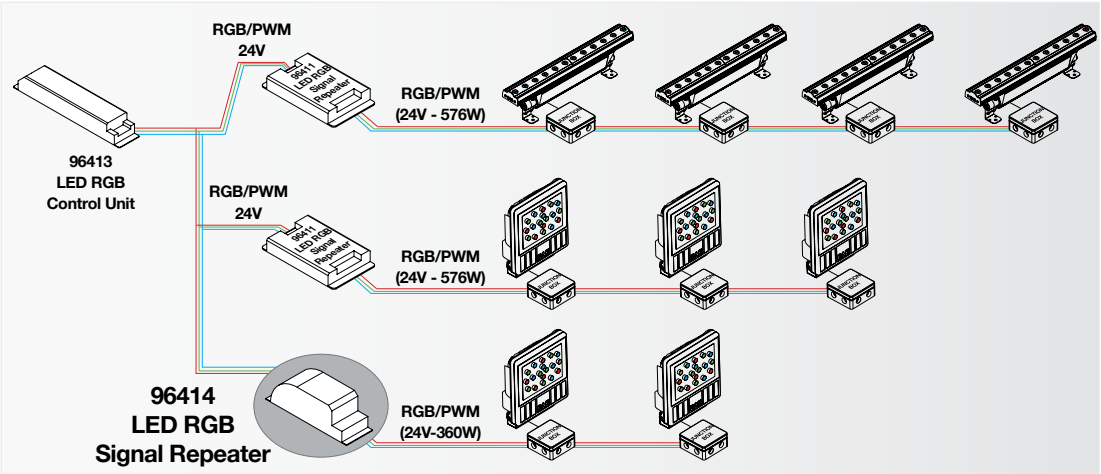


Input Voltage	:	DC12V~DC48V
Maxiumum Load Current	:	8A/CH*3CH Max. 24A
Maximum Load Power	:	288W/ 576W/ 864W/ 1152W/ (12V/24V/36V/ 48V)
Working Temperature	:	-30°C~65°C
Dimensions	:	L 148 x W 87 x H 23 (mm)
Weight	:	380 gr.

96414 LED RGB Signal Repeater



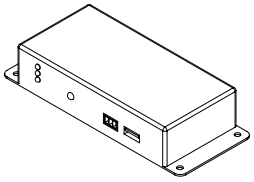
96414 Signal repeater is a 3 RGB output and PVM controllable unit. It has 5 ampere per branch, totally 15 A output current.



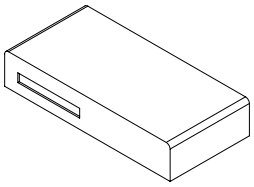
Input Voltage	:	DC12V~DC24V
Maxiumum Load Current	:	5A/CH*3CH Max. 15A
Maximum Load Power	:	180W/ 360W (12V/24)
Operating Temperature	:	-35°C~55°C
Dimensions	:	L 121 x W 39 x H 39 (mm)
Weight	:	100 gr.

PROJECT IDENTITY

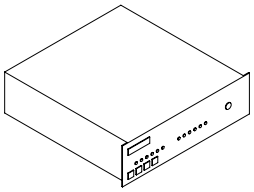
Owner	: SOCAR (State Oil Company of Azerbaijan Republic)
Architecture	: Kobuilas&Partners
General Contractor	: Sistem İnşaat San. ve Tic. A.Ş
Lighting design	: EAE / Lumifasart
Video design	: EAE / Lumifasart
Lighting company	: EAE Elektroteknik A.Ş.
Applied products	: EAE Prolit Tunable White
	EAE Walight Warm White
	EAE LED Pixel
	EAE LEDBAR
	EAE DMX Controllers and Software



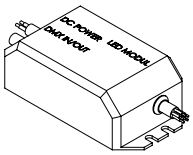
96403 DMX Control Unit



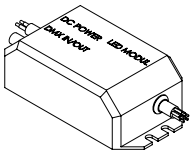
96404 DMX Control Unit



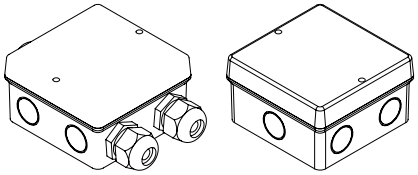
96405 DMX Control Unit



96406 Signal Repeater

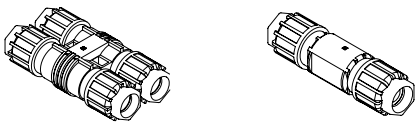


96407 Signal Distributor



95016 DMX IP 65 Terminal Box

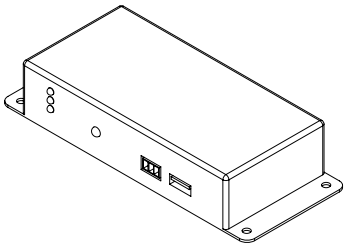
96401 IP 65 Junction Box



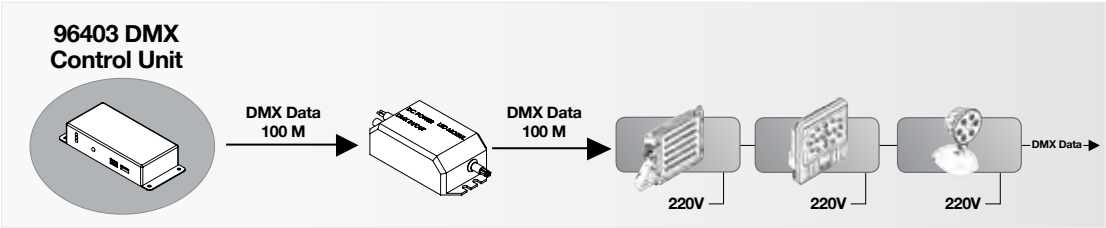
31111 H Type Connector

31120 C Type Connector

96403 DMX Control Unit

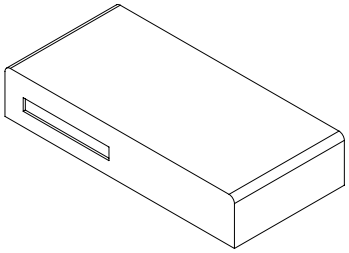


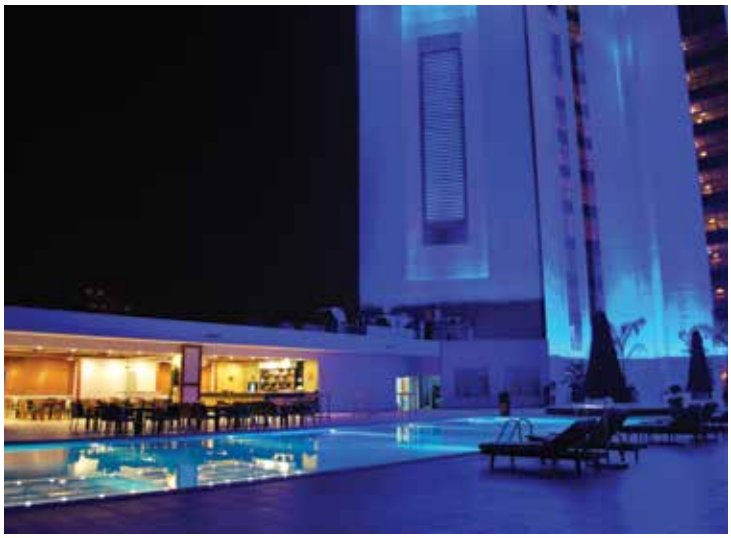
96403 DMX control unit is a micro controller with user-friendly, Lighting-effect-editing software; it applies the standard DMX-512 or DMX+ communication protocol to link with all standard DMX-512 Driver/Converter or Lighting fixtures. User can create the own lighting effects by PC software or just select built-in 16 different ones via IR remote control. Max. 170 (DMX 512) or 256 (DMX+) pixels can be controlled by 96403 DMX control unit.



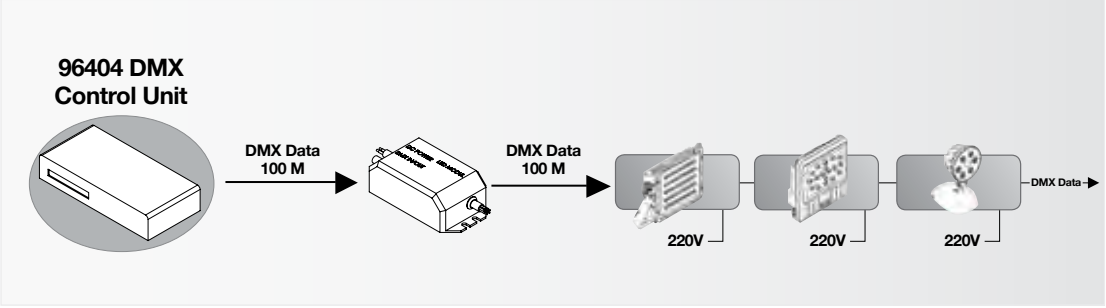
Control Capacity	:	256RGB pixels
Display Patterns	:	-16 built-in segments -16 user-defined segments -8 programmable 1~32 compound segments
Flash Memory	:	2M Bytes for 16 user-defined segments & 8 programmable 1~32 compound segments
Computer Interface	:	USB-2.0
Remote Control Interface	:	IR
Communication Protocol	:	DMX-512 or DMX +
Communication Interface	:	RS485 via RJ-45 connector
Software Support	:	Lighting effect or Animation
LED Indicator	:	Green:Power ON/OFF Yellow:RS-485 / DMX OUT Red:IR remote /USB
Voltage Input	:	DC 8.0-24 V
Environmental Factors	:	Operating Temperature: 0-60°C, Operating Humidity: 10-90 (RH)
Dimensions	:	163x68x30mm

96404 DMX Control Unit



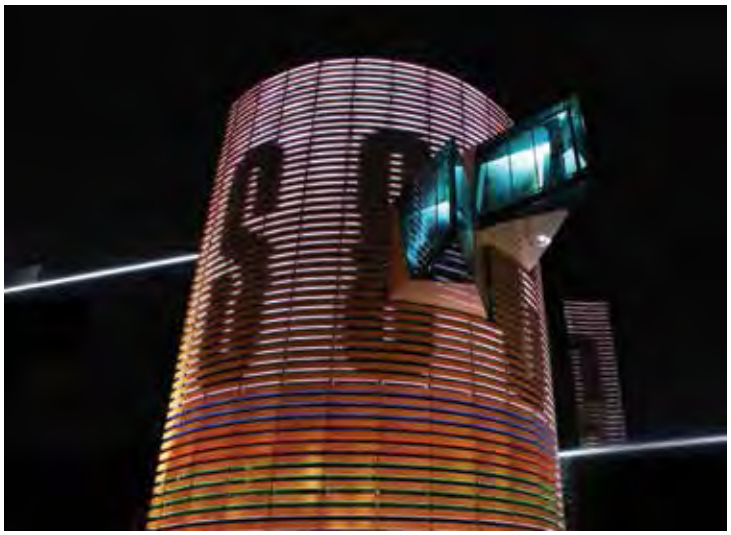


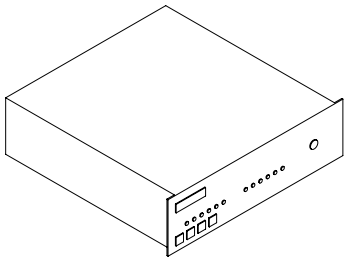
96404 DMX Lighting Controller is an ARM-based controller with a user-friendly software.
A breakthrough with unique DMX+ technology, the control capability of 96404 is expandable to 4,096 RGB pixels. In addition, an outstanding feature of 96404 is its OLED touch panel, which is easy to control and ensure a less time-consuming adjusting process.



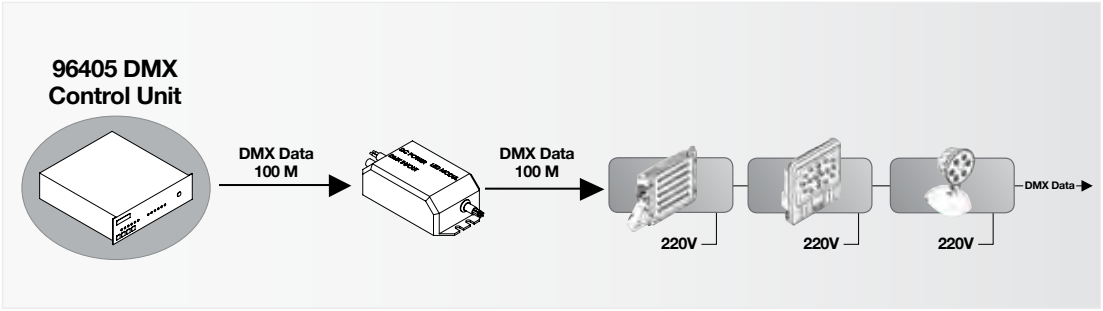
Control Capacity	:	4096 pixels
Data Storage	:	2M on board Flash Memory
Computer Interface	:	TCP/IP, USB, RS485
Communication Protocol	:	DMX512 OR DMX+
Communication Interface	:	RS485
Control Panel	:	LED panel and keypad
Software Supported	:	Animation
Input Voltage	:	DC 8.0-24 V
Environmental Factors	:	Operating Temperature: 0 -50°C Operating Humidity: 10% ~ 90% RH
Dimensions	:	163x68x30mm

96405 DMX Control Unit



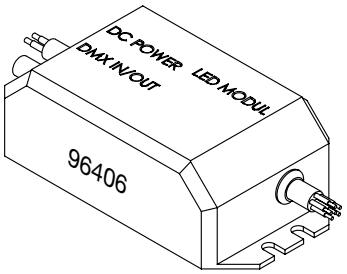


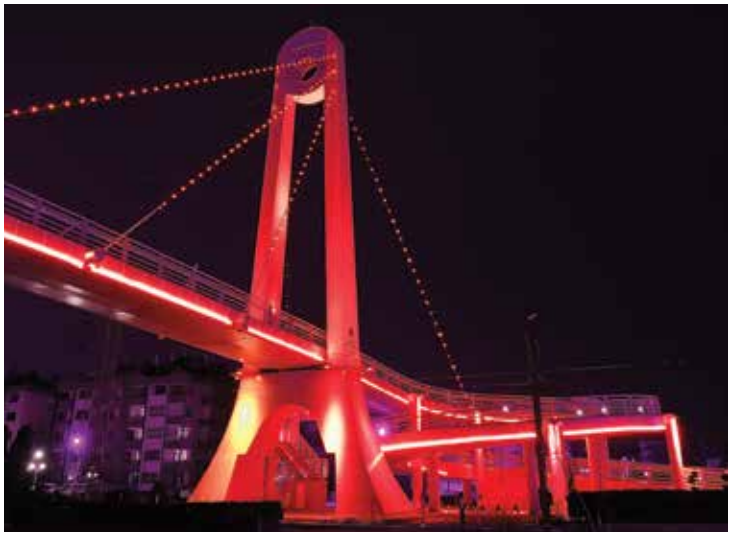
96405 DMX Lighting controller is an integrated control system from DVI signal of computer converted to the thousands pixels of the mapping address. Device lets you switch the mapping address flexible which is especially for synchronously display and the irregular architectural features.



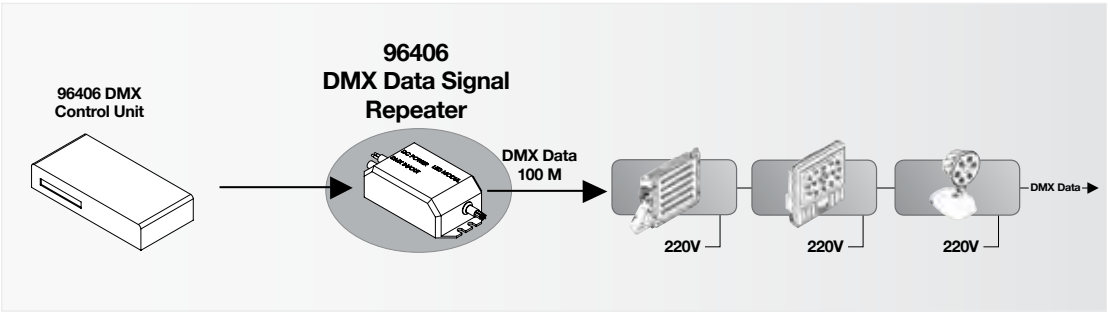
Input Voltage	:	110-220 VAC
Power Consumption	:	40 W
Supported Pixels	:	1 unit supported up to 49152 pixels (256x192);Max up to 800x600 pixels*1
Input Data Format	:	DVI-D signal (800x600)
Input Control Interface	:	Ethernet (RJ-45)
Control Panel	:	LCD Display/LED Indicator/4 Control Buttons /Power ButtonLCD
Output Data Format	:	DMX+ protocol
Output Interface	:	Waterproof DIN connector-8 pin
Environmental Factors	:	Operating Temperature: 0 -50 °C Operating Humidity: 10 - 80 (RH)
Dimensions	:	483.0 x 461.2 x 132.8 (mm);19 “ 3U Rack chassis

96406 DMX Signal Repeater



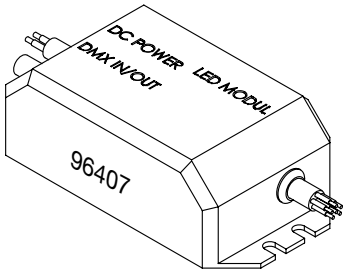


96406 DMX Repeater is designed to extend the series connection ability when the connected devices are more than 170 devices. When the transmission distance is more than 100 meters,DMX Repeater can increase the transmission distance. It provides two the same signal output ports for DMX512/DMX+system.

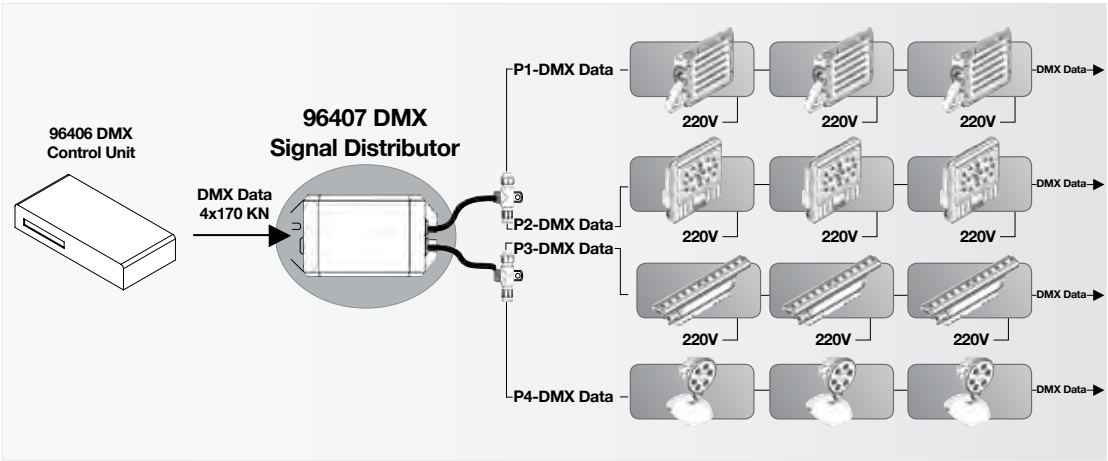


Input Voltage	:	DC12-40V
Power Consumption	:	40 W
Signal Input	:	DMX+ / DMX512 (Standart RS485 Differential Signal) a) Nonpolar DMX Connection b) DMX 512 / DMX + Otomatic Detection
DMX Output	:	DMX + / DMX 512 (Standard RS485 Differential Signal) pointed signal and range extended signal
Transmission Distance	:	Up to 100 meter
Protection class	:	IP 66
Environmental Factors	:	Operating Temperature: -20-60°C Operating Humidity: 10-90 (RH)

96407 DMX Signal Distrubutor

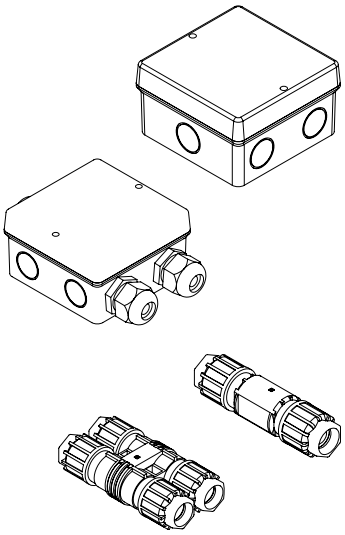


96407 DMX Signal Distributor unit, distribute incoming DMX 512 or DMX+ to 4 different output signals.

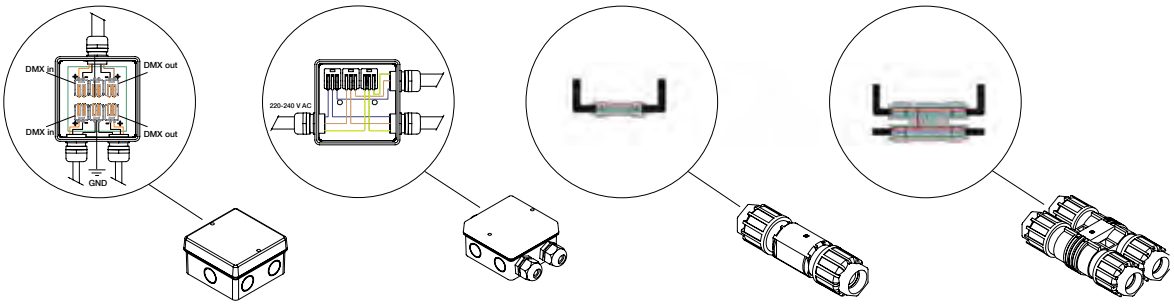


Input Signal	:	4 port DMX + / DMX 512
Output Signal	:	4 port DMX + / DMX 512
Protection Class	:	IP 66
Environmental Factors	:	Operating Temperature: -20°C / -60°C Operating Humidity: 10% - 90% RH

Junction and Connectors



Connectors that are used in RGB and DMX control systems can control more than one luminaires. Product has IP 65 protection class and has one input and two outputs.

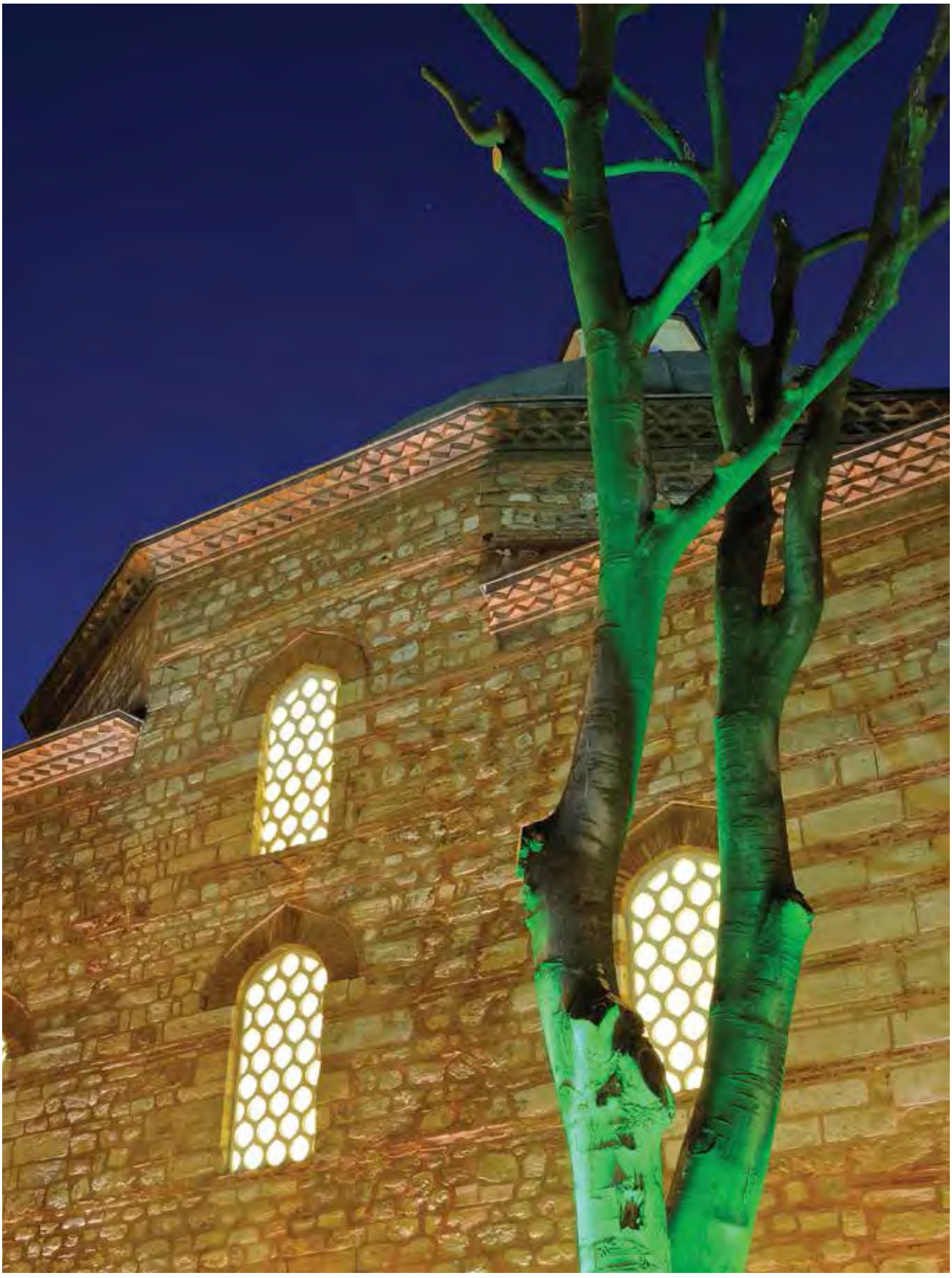


DMX Terminal Box
95016

IP 65 Junction Box
96401

C Type Connector
31120

H Type Connector
31111



CERTIFICATE

EAE ELEKTROTEKNİK A.Ş.

İkitelli Organize Sanayi Bölgesi Eski Turgut Özal Cad.No:112,
Başakşehir, İstanbul, 34670, Türkiye

ISO 9001:2008

SGS

UKAS

CERTIFICATE

Issued to:
Applicant:
EAE Aydınlatma A.S.
İkitelli Organize Sanayi
34306, İkitelli-İstanbul, Turkey

Manufacturer/Licensee:
EAE Aydınlatma A.S.
İkitelli Organize Sanayi
34306, İkitelli-İstanbul, Turkey

Product: LED luminaire
Trade name: EAE ELEKTRİK AYDINLATMA
Model: KANOLED

The product and any acceptable variation thereto is specified in the Annex to this certificate and the documents therein referred to.

DEKRA hereby declares that the above-mentioned product has been certified on the basis of:
- a type test according to the standard EN 60598-1:2008;EN 60598-2-1:1989;EN 60598-2-2:1996;
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 2111502.

DEKRA hereby grants the right to use the ENEC KEMA-KEUR certification mark.

The ENEC KEMA-KEUR certification mark may be applied to the product as specified in this certificate for the duration of the ENEC KEMA-KEUR certification agreement and under the conditions of the ENEC KEMA-KEUR certification agreement.

This certificate is issued on: 2 February 2011 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 2140496.02

DEKRA Certification B.V.

drs. G.J. Zoelbrood
Managing Director

H.J.H. te Lindert
Certification Manager

© Integral publication of this certificate is allowed.

All testing, inspection, auditing and certification activities of the former KEMA Quality are an integral part of the DEKRA Certification Group.

ACCREDITED BY
THE DUTCH COUNCIL
FOR ACCREDITATION

KEMA KEUR

DEKRA Certification B.V. Utrechtseweg 310, 6812 AR Arnhem P.O. Box 5185, 6802 ED Arnhem, The Netherlands
T +31 26 3 56 26 00 F +31 26 3 52 58 00 www.dekra-cert/kwaliteit.com Registered Arnhem 09032160

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