



# POOL LIGHTING

# INTRODUCTION

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Look around you! Above all, there was always light. It allows us to comprehend life, discerning between darkness and light, ignorance and wisdom. Light has played a crucial role in the advancement of humanity. Light has brought our eyes together with the colors of the world and bestowed upon us aesthetic feelings. If there is light, life is beautiful!

## *A better way to see!*

For over 30 years, we have been enhancing life with our illumination expertise. We realize turnkey lighting projects worldwide, to better appreciate the beauty life offers us. Our proficiency in design, engineering, and manufacturing seamlessly integrates technology and art. We offer tailored LED lighting solutions for various applications, including facade, park and garden, pool, outdoor and indoor spaces, industrial facilities, road, and decorative lighting areas.

SEE THE BUILDING  
THE CITY  
THE LIFE  
in *A BETTER WAY*



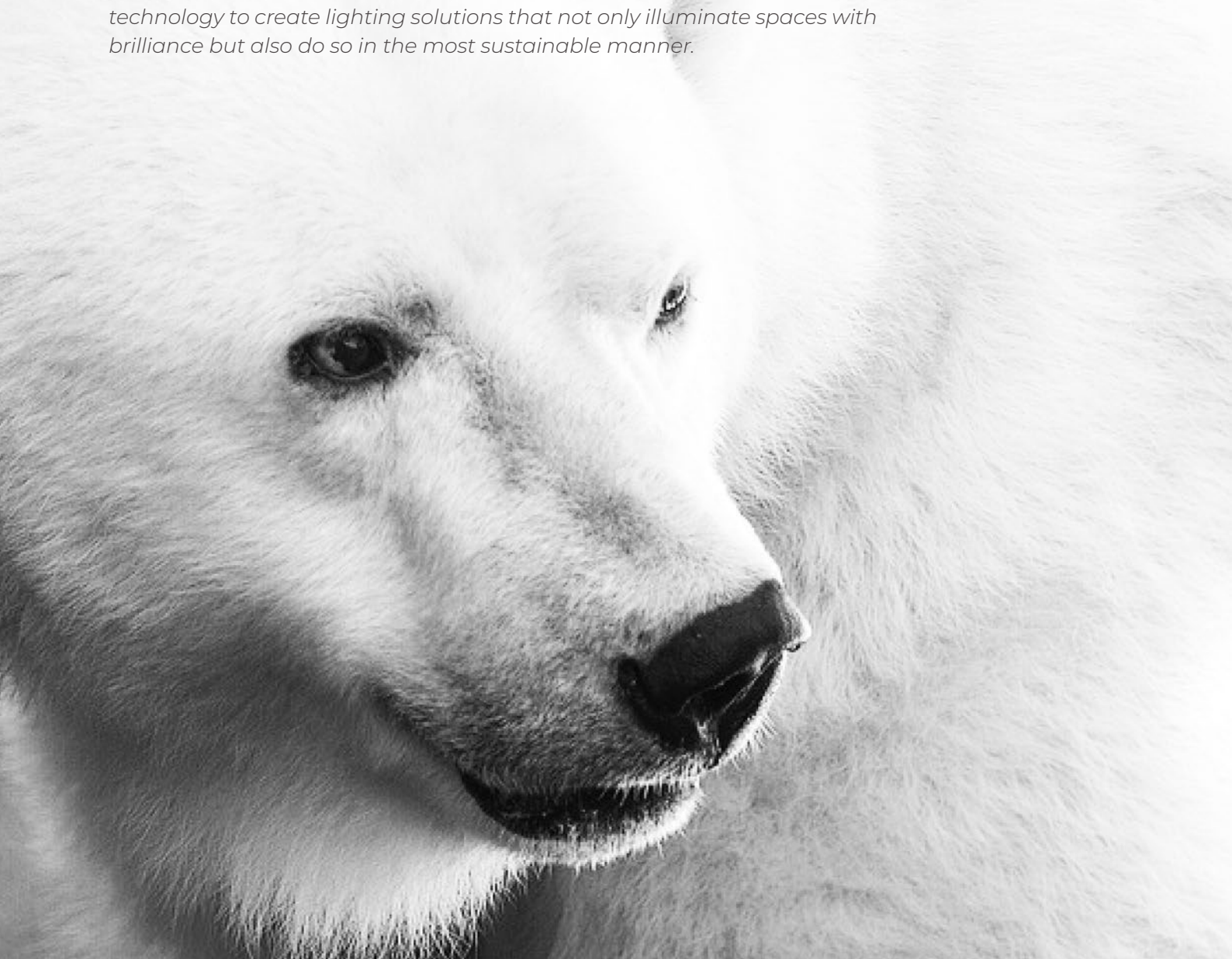
# STORY BEHIND THE POLAR BEAR

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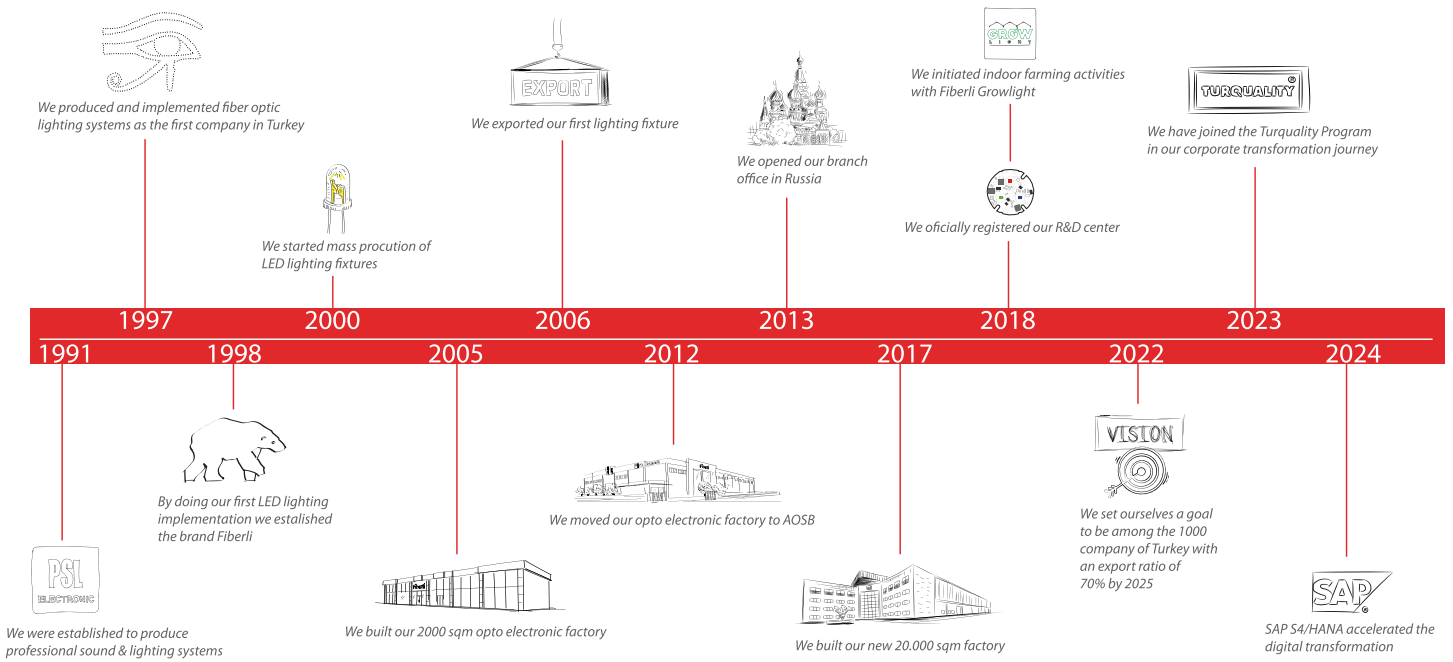
## *Harnessing Nature's Brilliance for Sustainable Lighting*

*In the vast icy landscapes where polar bears reign supreme, the seemingly endless stretches of white are not just a shield against the cold, but a testament to the ingenious workings of nature. It's a common misconception that the thick white fur of polar bears solely protects them from the harsh Arctic temperatures. Contrary to appearances, the bears' skin is closer to black in color. What appears to be a simple coat of fur is, in fact, a marvel of natural engineering.*

*Each white hair in the polar bear's fur possesses fiber-optic properties, acting as a conduit for sunlight. Instead of merely providing insulation, these hairs channel sunlight directly to the bear's black-pigmented skin, where it is converted into heat. This incredible mechanism allows polar bears to maximize the efficiency of the sun's energy, adapting seamlessly to their environment. In much the same way, Fiberli draws inspiration from this remarkable synergy of nature. Our logo, symbolized by the polar bear, encapsulates our commitment to energy efficiency and the perfect harmony of technology and the environment. The polar bear's ability to harness sunlight aligns with Fiberli's ethos of utilizing cutting-edge technology to create lighting solutions that not only illuminate spaces with brilliance but also do so in the most sustainable manner.*



# TIMELINE



## OUR VALUES

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### VALUE TO LIFE

Our primary mission is to enhance the quality of our surroundings and enrich life through the transformative power of light. We approach all our projects with this guiding principle

### INNOVATION

In our pursuit to deepen our understanding of life, we are investing significantly in research and development, consistently pushing the boundaries of innovation through the adoption of new technologies

### SUSTAINABILITY

We advocate for energy efficiency through our environmentally friendly LED technology, ensuring conservation. Our operations are marked by an unwavering commitment to efficiency in all processes

### TRUSTWORTHINESS

We consider all our stakeholders as part of our own family and operate with a zero-problem policy, working with high responsibility

### INTEGRALITY

We provide our stakeholders with a comprehensive A-to-Z service, offering end-to-end solutions that encompass project planning, production, and installation. Delivering excellence from concept to execution, we strive to deliver high value in every aspect of our engagements

## TURNKEY PROJECTS WORLDWIDE



*since* **1991** *Export to* **70+** *countries* **23.000** *m<sup>2</sup>* **300+** *professionals*  
**factory**

Fiberli is accepted into  
TURQUALITY, trademark  
export program led by the  
Republic of Turkey

**IALDLIRC**

Fiberli is a member of  
The Lighting Industry  
Resource Council (LIRC)

# TURNKEY PROJECTS WORLDWIDE



Fiber optic pool luminaire are designed to be used in or near water areas. They produce more light output with less energy. They offer quality and efficient lighting solutions thanks to their powerful techniques. Fixtures can be produced in a single color or RGB according to project needs. Additionally, with a wide range of color options and features, they enable architects and lighting designers to realize their creative ideas.



Scan QR code

## Pool Lighting



## Fiber Optic





## References



Maxx Royal Belek Resort - Antalya



Mardan Palace Hotel - Antalya



Zakintos Hotel - Yunanistan



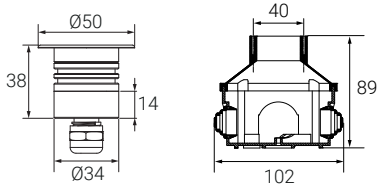
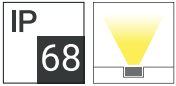
Ayada - Maldivler



DoubleTree by Hilton - Antalya



Xanadu Resort - Antalya



- 316 L chrome body and chrome spot frame
- Polycarbonate luminaire glass
- Plastic injection mounting box
- Underwater connector
- H07RNF rubber cable

## P W Product & Power Options

Product Name	Light Color	Input Voltage (V)	Power (W)	Luminous Flux (lm)	Weight (kg)
AC500F	WW-NW-CW	12-24V DC	2	150	0,25
AC500F	RGB	7,5V DC	8	-	0,25

*\*\*Power and Lumen values provided are based off of a lensless product with cold white (CW) LED. It may vary according to the desired color.*

## C Light Color Options

● WW: Warm White 3000K	● R: Red 625nm
● NW: Natural White 4000K	● G: Green 525nm
● CW: Cold White 6500K	● B: Blue 465nm
● RGB	● A: Amber 590nm

## S System Options

- 01 Standart (ON/OFF)
- 02 PWM-DIM

## O Lens Options



**XN:** Extra Narrow Angle      **N:** Narrow Angle

## Mounting



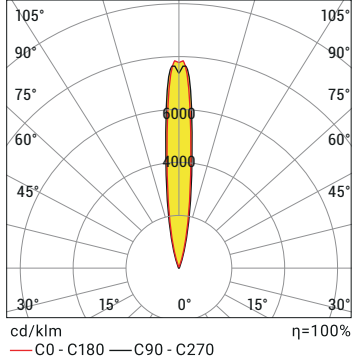
Order Code

P . W . C . S . O



## Product Diagrams

Polar Diagram



Conical Diagram

H (mt)	Ø (m)	E <sub>max</sub> (lx)
3.0	0,68	262
2.5	0,57	378
2.0	0,46	590
1.5	0,34	1049
1.0	0,23	2360
0.5	0,11	9439

AC500F CW 10D 3W 12-24V DC IP68

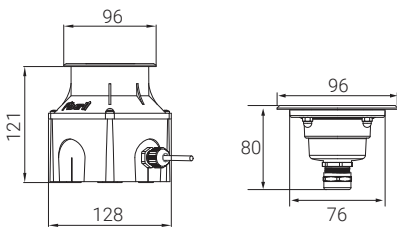
## Control System Options

Color Type	PWM	INV PWM	DMX	DALI	0-10V DC	TRIAC
WW-NW-CW	•			•	•	
R,G,B,A	•			•	•	
RGB	•					
RGBA/W						
RGB DMX			•			
WHITE DMX			•			

Product Code	Voltage (V DC)	Control Systems	Cable Core Quantity		
			Mono	RGB	RGB W/A
AC500F	5	PWM	2x	-	-
	7,5	PWM	-	4x	-
	12-24	ON/OFF	2x	-	-



Bademlik, Eskişehir



- 316L chrome spot frame
- 316L chrome body
- 8 mm tempered glass
- Stainless connectors
- Plastic injection mounting box
- Operates with alternate or direct current
- Underwater connector
- H07RNF rubber cable

## P W Product & Power Options

Product Name	Light Color	Input Voltage (V)	Power (W)	Luminous Flux (lm)	Weight (kg)
AC1F03	WW-NW-CW	12-24V DC	4	410	0,5
AC1F03	WW-NW-CW	12-24V DC	8	820	0,5
AC1F03	RGB	7,5V DC	8	-	0,5

Power and Lumen values provided are based off of a lensless product with cold white (CW) LED. It may vary according to the desired color.

## C Light Color Options

● WW: Warm White	3000K	● R: Red	625nm
● NW: Natural White	4000K	● G: Green	525nm
● CW: Cold White	6500K	● B: Blue	465nm
● RGB		● A: Amber	590nm

## S System Options

- 01 Standart (ON/OFF)
- 02 PWM-DIM

## O Lens Options



N: Narrow Angle      XW: Without lens

## Mounting



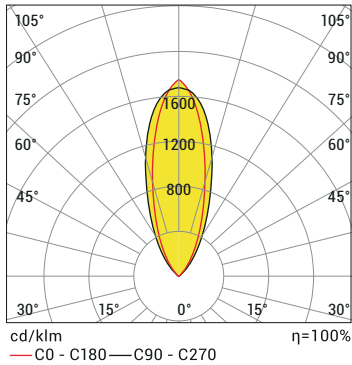
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P . W . C . S . O



## Product Diagrams

Polar Diagram



Conical Diagram

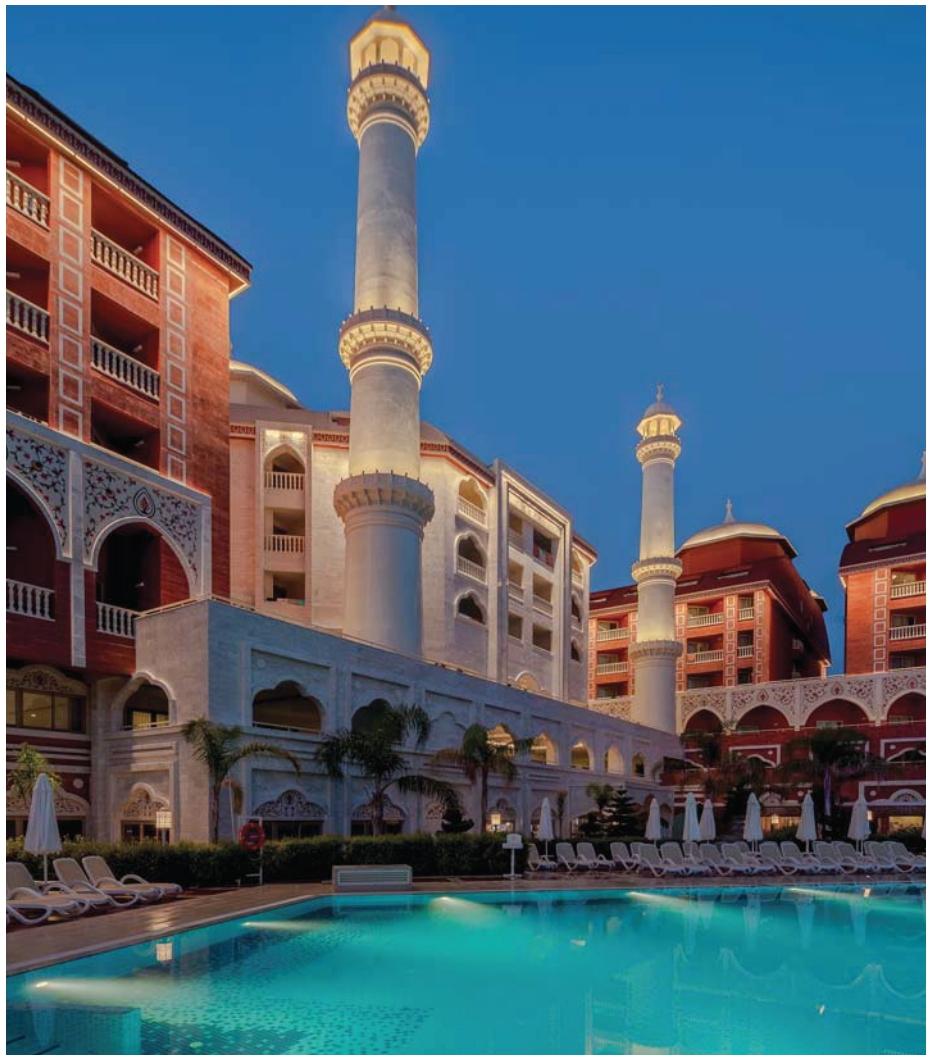
H (mt)	$\emptyset$ (m)	Emax (lx)
3.0	1,69	160
2.5	1,41	230
2.0	1,12	359
1.5	0,84	638
1.0	0,56	1436
0.5	0,28	5744

AC1F 3LED CW 8W 12-24V DC IP68

## Control System Options

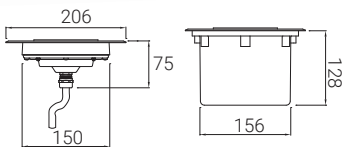
Color Type	PWM	INV PWM	DMX	DALI	0-10V DC	TRIAC
WW-NW-CW	•			•	•	
R,G,B,A	•			•	•	
RGB	•					
RGBA/W						
RGB DMX						
WHITE DMX						

Product Code	Voltage (V DC)	Control Systems	Cable Core Quantity		
			Mono	RGB	RGB W/A
AC1F03	7,5	PWM	2x	-	-
	12	PWM	-	4x	-
	12-24	ON/OFF	2x	-	-



Royal Taj Mahal Hotel, Antalya





- 3mm 316 L chrome spot frame
- Corrosion protection by double layered electrostatic powder coated body
- 316 L Press forming chrome body
- 12 mm tempered glass
- Stainless connectors
- Plastic injection mounting box
- Operates with alternate or direct current
- Underwater connector
- H07RNF rubber cable

## P W Product & Power Options

Product Name	Light Color	Input Voltage (V)	Power (W)	Luminous Flux (lm)	Weight (kg)
AC3F09	WW-NW-CW	12-24V DC	25	2.400	1,9
AC3F09	WW-NW-CW	12V DC	13	1.200	1,9
AC3F09	RGB	12V DC	18	-	1,9

Power and Lumen values provided are based off of a lensless product with cold white (CW) LED. It may vary according to the desired color.

## C Light Color Options

● WW: Warm White 3000K	● R: Red 625nm
● NW: Natural White 4000K	● G: Green 525nm
● CW: Cold White 6500K	● B: Blue 465nm
● RGB	● A: Amber 590nm

## S System Options

- 01 Standart (ON/OFF)
- 02 PWM-DIM
- 03 Invert PWM-DIM

## O Lens Options



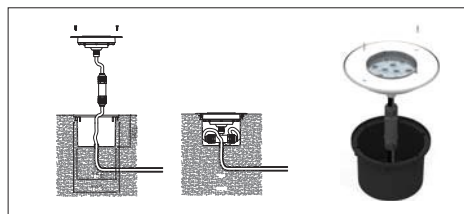
XN: Extra Narrow Angle

N: Narrow Angle

M: Medium Angle

XW: Without lens

## Mounting



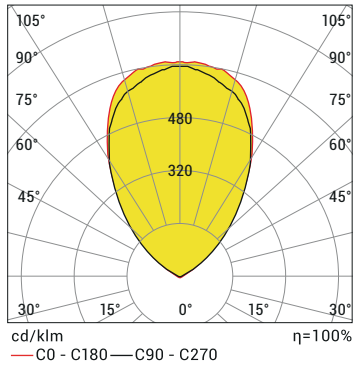
Order Code

P . W . C . S . O

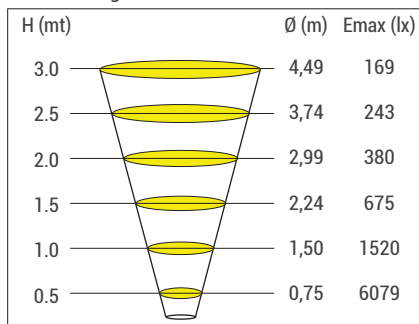


## Product Diagrams

Polar Diagram



Conical Diagram



AC3F 9LED CW 60D 25W 12-24V DC IP68

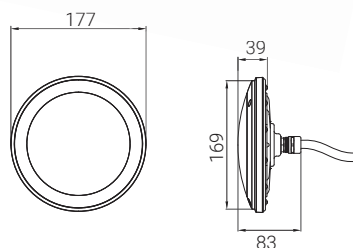
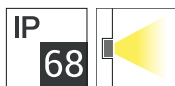
## Control System Options

Color Type	PWM	INV PWM	DMX	DALI	0-10V DC	TRIAC
WW-NW-CW	•			•	•	
R,G,B,A	•			•	•	
RGB	•					
RGBA/W						
RGB DMX			•			
WHITE DMX			•			

Product Code	Voltage (V DC)	Control Systems	Cable Core Quantity		
			Mono	RGB	RGB W/A
AC3N09	12	PWM	2x	4x	-
	12-24	ON/OFF	2x	-	-
	12-24	INV-PVM	3x	5x	-



Maxx Royal Hotel, Antalya



- Chrome coated or PC spot frame in white color
- 316 L Press forming chrome body
- Polycarbonate glass
- 316 L Stainless connectors
- Operates with alternate or direct current
- Underwater connector
- H07RNF rubber cable
- Plastic injection mounting box (optional)

## P W Product & Power Options

Product Name	Light Color	Input Voltage (V)	Power (W)	Luminous Flux (lm)	Weight (kg)
AC5G18	WW-NW-CW	12-24V DC	21	2.100	1,2
AC5G18	WW-NW-CW	12-24V DC	32	3.200	1,2
AC5G18	WW-NW-CW	12-24V DC	46	4.800	1,2
AC5G18*	RGB	24V DC	26	-	1,2
AC5G18*	RGB	24V DC	36	-	1,2

Power and Lumen values provided are based off of a lensless product with cold white (CW) LED. It may vary according to the desired color.  
\* RGB products can be produced in 12-24 V DC and product values may vary

## C Light Color Options

● WW: Warm White	3000K	● R: Red	625nm
● NW: Natural White	4000K	● G: Green	525nm
● CW: Cold White	6500K	● B: Blue	465nm
● RGB		● A: Amber	590nm

## S System Options

- 01 Standart (ON/OFF)
- 02 PWM-DIM
- 03 Invert PWM-DIM

## O Lens Options



XN: Extra Narrow Angle    N: Narrow Angle    M: Medium Angle    XW: Without lens

## U Upper Piece Options



15: Chrome coated

16: White



Order Code

P . W . C . S . O . U

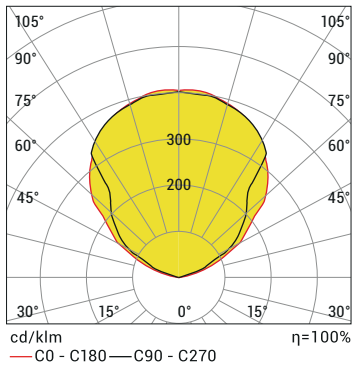


Please contact our sales representatives for special application requests other than the standard product.



## Product Diagrams

Polar Diagram



Conical Diagram

H (mt)	Ø (m)	E <sub>max</sub> (lx)
3.0	7,52	97
2.5	6,26	140
2.0	5,01	218
1.5	3,76	388
1.0	2,51	873
0.5	1,25	3490

AC5G 18LED CW 120D 20W 12-24V DC IP68

## Accessories



34600134: Mounting Box

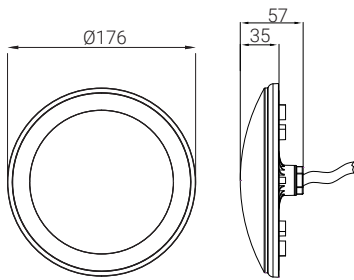
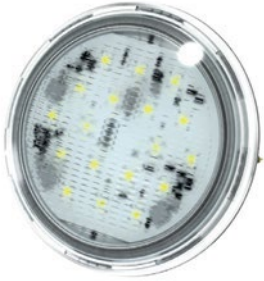
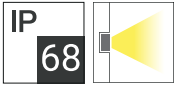
## Control System Options

Color Type	PWM	INV PWM	DMX	DALI	0-10V DC	TRIAC
WW-NW-CW	•	•		•	•	
R,G,B,A	•	•		•	•	
RGB	•	•				
RGBA/W						
RGB DMX			•			
WHITE DMX			•			

Product Code	Voltage (V DC)	Control Systems	Cable Core Quantity		
			Mono	RGB	RGB W/A
AC5G18	12	PWM	2x	4x	-
	12-24	ON/OFF	2x	-	-
	12-24	INV-PVM	3x	5x	-



Royal Seginus Hotel, Antalya



## P W Product & Power Options

Product Name	Light Color	Input Voltage (V)	Power (W)	Luminous Flux (lm)	Weight (kg)
AC5GE18	WW-NW-CW	24V DC	18	1.800	0,8

Power and Lumen values provided are based off of a "cold white (CW) LED". It may vary according to the desired color.

## C Light Color Options

● WW: Warm White	3000K	● R: Red	625nm
● NW: Natural White	4000K	● G: Green	525nm
● CW: Cold White	6500K	● B: Blue	465nm

## S System Options

- 01 Standart (ON/OFF)
- 02 PWM-DIM



- Plastic injection PC body
- Polycarbonate glass
- Operates with alternate or direct current
- Underwater connector
- H07RNF rubber cable
- Plastic injection mounting box (optional)



Bademlik, Eskişehir



Order Code

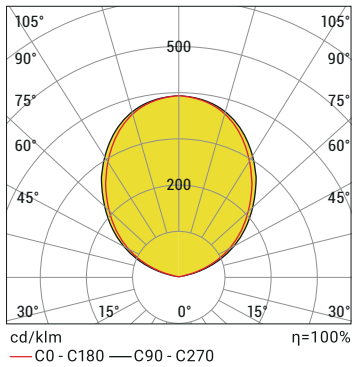
P . W . C . S



Please contact our sales representatives for special application requests other than the standard product.

## Product Diagrams

Polar Diagram



Conical Diagram

H (mt)	Ø (m)	E <sub>max</sub> (lx)
3.0	6,95	80
2.5	5,79	116
2.0	4,63	180
1.5	3,48	321
1.0	2,32	722
0.5	1,16	2888

AC5GE 18LED CW 120D 18W 12-24V DC IP68

## Accessories

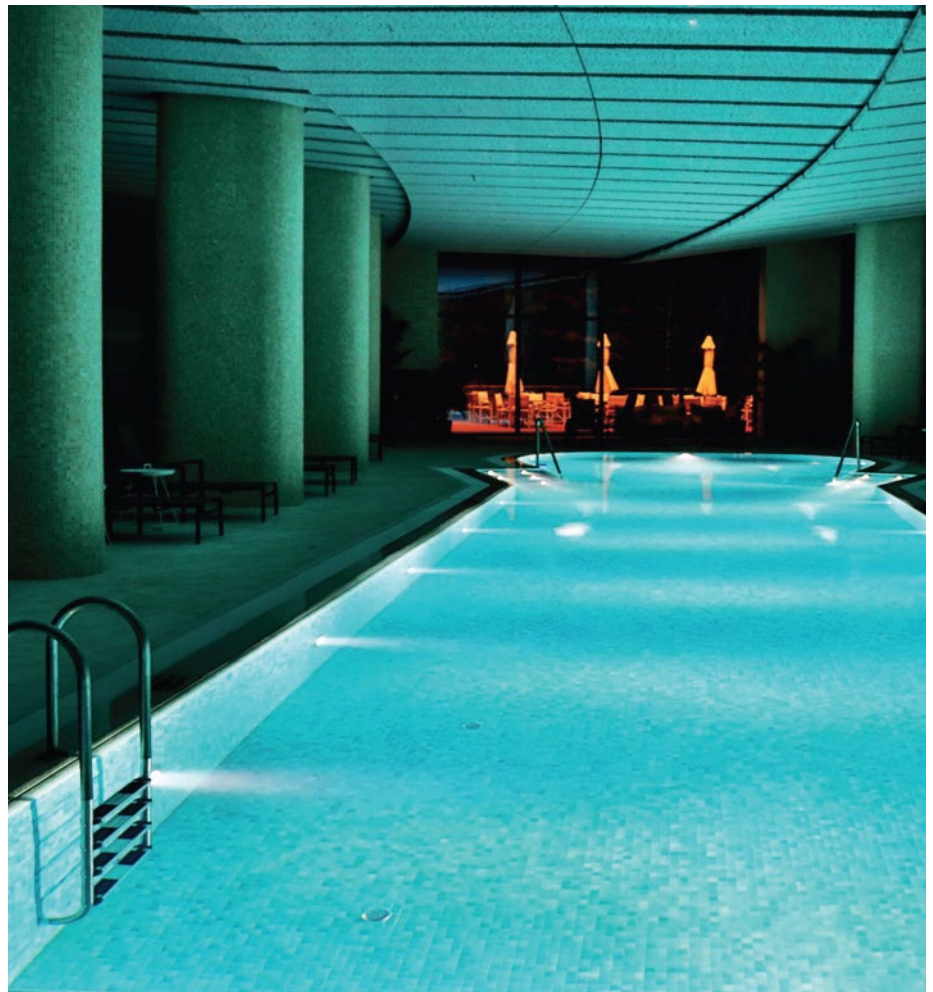


34600134: Mounting Box

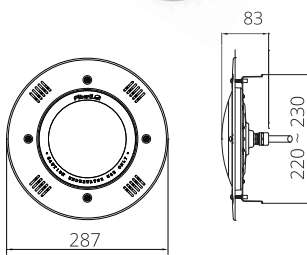
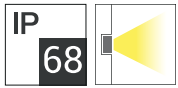
## Control System Options

Color Type	PWM	INV PWM	DMX	DALI	0-10V DC	TRIAC
WW-NW-CW	•			•	•	
R,G,B,A	•			•	•	
RGB						
RGBA/W						
RGB DMX						
WHITE DMX						

Product Code	Voltage (V DC)	Control Systems	Cable Core Quantity		
			Mono	RGB	RGB W/A
AC5GE	24	PWM	2x	-	-
	12-24	ON/OFF	2x	-	-



Bademlik, Eskişehir



- 316 L chrome spot body
- 316 L Stainless connectors
- Polycarbonate glass
- Operates with alternate or direct current
- Underwater connector
- H07RNF rubber cable
- Plastic injection mounting box (optional)

## P W Product & Power Options

Product Name	Light Color	Input Voltage (V)	Power (W)	Luminous Flux (lm)	Weight (kg)
AC5K18	WW-NW-CW	12-24V DC	21	2100	1,4
AC5K18	WW-NW-CW	12-24V DC	32	3200	1,4
AC5K18	WW-NW-CW	12-24V DC	45	4800	1,4
AC5K18*	RGB	24V DC	26	-	1,4
AC5K18*	RGB	24V DC	36	-	1,4

Power and Lumen values provided are based off of a lensless product with cold white (CW) LED. It may vary according to the desired color.  
\*RGB products can be produced in 12-24 V DC and product values may vary.

## C Light Color Options

● WW: Warm White	3000K	● R: Red	625nm
● NW: Natural White	4000K	● G: Green	525nm
● CW: Cold White	6500K	● B: Blue	465nm
● RGB		● A: Amber	590nm

## S System Options

- 01 Standart (ON/OFF)
- 02 PWM-DIM
- 03 Invert PWM-DIM

## O Lens Options



XN: Extra Narrow Angle    N: Narrow Angle    M: Medium Angle    XW: Without lens



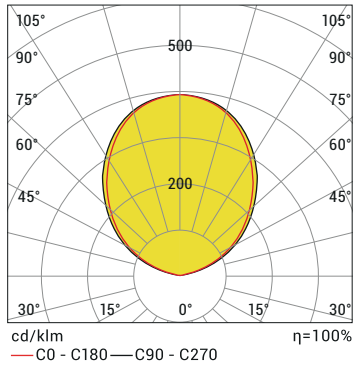
Order Code

P . W . C . S . O



## Product Diagrams

Polar Diagram



Conical Diagram

H (mt)	Ø (m)	E <sub>max</sub> (lx)
3.0	1,88	1452
2.5	1,57	2090
2.0	1,25	3266
1.5	0,94	5806
1.0	0,53	13064
0.5	0,31	52254

AC5K 18LED CW 45W 12-24V DC IP68

## Accessories

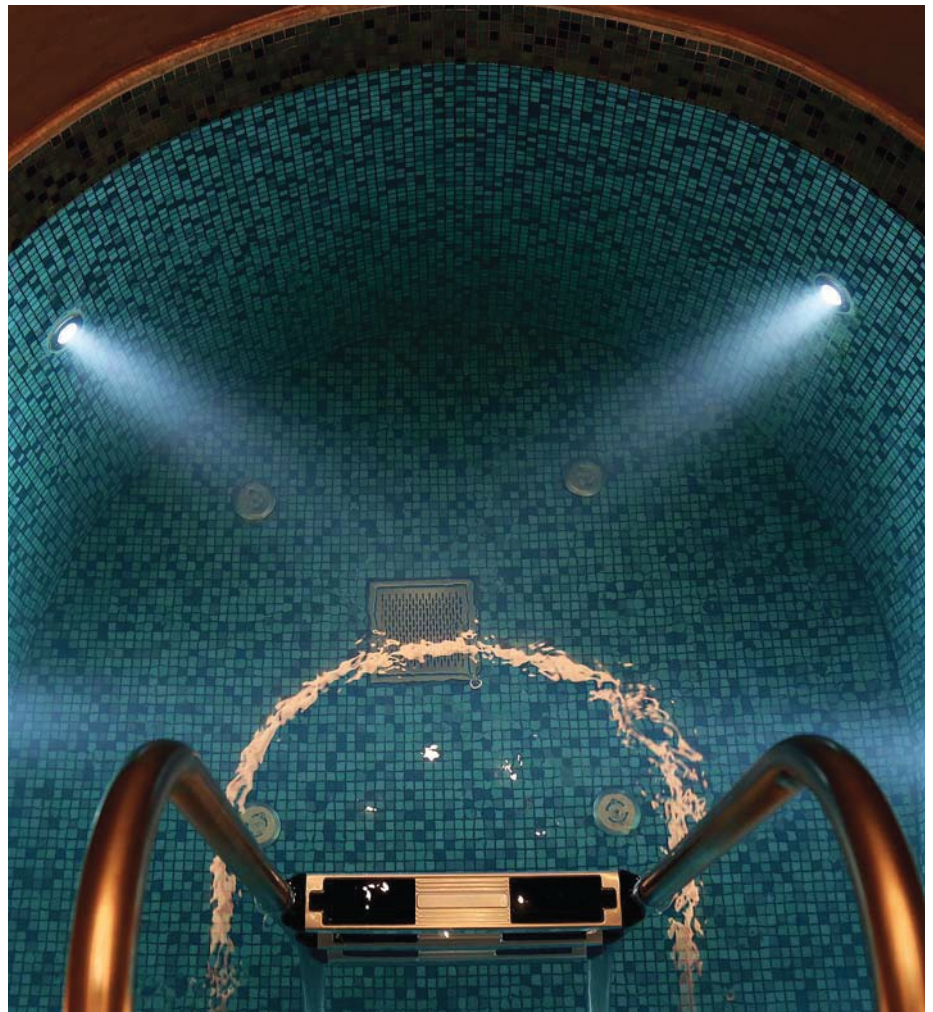


34600946: Mounting Box

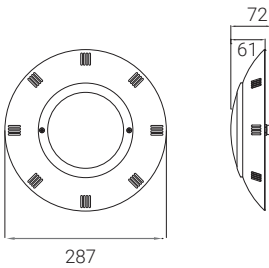
## Control System Options

Color Type	PWM	INV PWM	DMX	DALI	0-10V DC	TRIAC
WW-NW-CW	•	•		•	•	
R,G,B,A	•	•		•	•	
RGB	•	•				
RGBA/W						
RGB DMX			•			
WHITE DMX			•			

Product Code	Voltage (V DC)	Control Systems	Cable Core Quantity		
			Mono	RGB	RGB W/A
AC5K09	24	PWM	2x	4x	-
	12-24	ON/OFF	2x	-	-
	12-24	INV-PVM	3x	5x	-



Bademlik, Eskişehir



- Chrome coated or PC spot frame in white color
- 316 L Press forming chrome body
- Polycarbonate glass
- 316 L Stainless connectors
- Operates with alternate or direct current
- Underwater connector
- H07RNF rubber cable

## P W Product & Power Options

Product Name	Light Color	Input Voltage (V)	Power (W)	Luminous Flux (lm)	Weight (kg)
AC5Y18	WW-NW-CW	12-24V DC	21	2100	1,1
AC5Y18	WW-NW-CW	12-24V DC	32	3200	1,1
AC5Y18	WW-NW-CW	12-24V DC	46	4800	1,1
AC5Y18*	RGB	24V DC	26	-	1,1
AC5Y18*	RGB	24V DC	36	-	1,1

Power and Lumen values provided are based off of a lensless product with cold white (CW) LED. It may vary according to the desired color.  
\* RGB products can be produced in 12-24 V DC and product values may vary.

## C Light Color Options

● WW: Warm White	3000K	● R: Red	625nm
● NW: Natural White	4000K	● G: Green	525nm
● CW: Cold White	6500K	● B: Blue	465nm
● RGB		● A: Amber	590nm

## S System Options

- 01 Standart (ON/OFF)
- 02 PWM-DIM
- 03 Invert PWM-DIM

## O Lens Options



XN: Extra Narrow Angle    N: Narrow Angle    M: Medium Angle    XW: Without lens

## B Body Options



15: Chrome coated

16: White



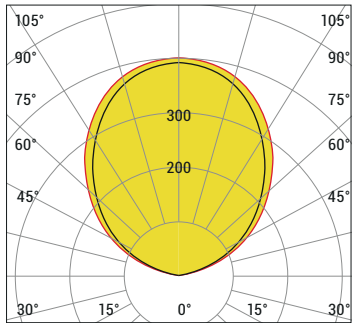
Order Code

P . W . C . S . O . B



## Product Diagrams

Polar Diagram









cd/klm  
— C0 - C180 — C90 - C270  
η=100%

Conical Diagram

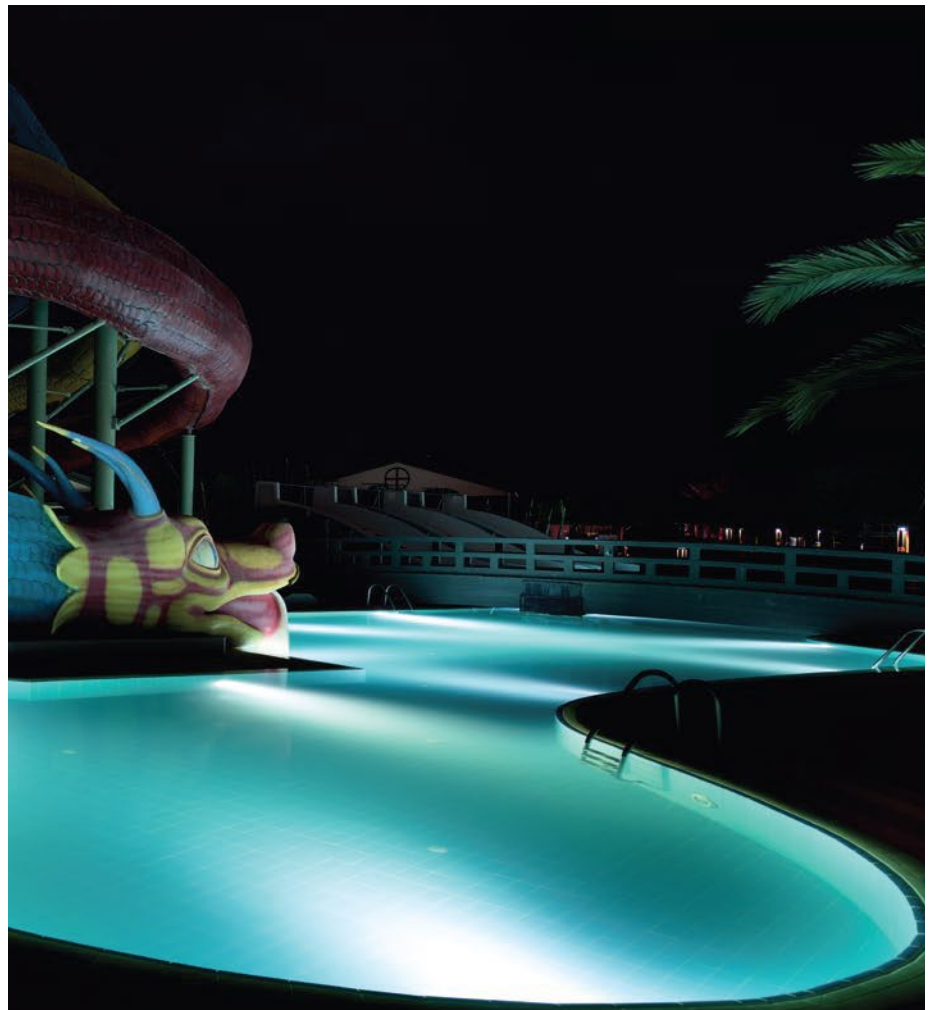
H (mt)	Ø (m)	E <sub>max</sub> (lx)
3.0	7,74	93
2.5	6,45	134
2.0	5,16	210
1.5	3,87	373
1.0	2,58	840
0.5	1,29	3359

AC5Y 18LED CW 120D 20W 12-24V DC IP68

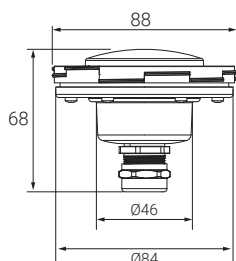
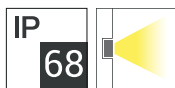
## Control System Options

Color Type	PWM	INV PWM	DMX	DALI	0-10V DC	TRIAC
WW-NW-CW 	•	•		•	•	
R,G,B,A 	•	•		•	•	
RGB 	•	•				
RGBA/W 						
RGB DMX 			•			
WHITE DMX 			•			

Product Code	Voltage (V DC)	Control Systems	Cable Core Quantity		
			Mono	RGB	RGB W/A
AC5Y09	24	PWM	2x	4x	-
	12-24	ON/OFF	2x	-	-
	12-24	IN-PWM	2x	5x	-



Limak Otel, Antalya



- Corrosion protection by double layered electrostatic powder coated body
- 8 mm tempered glass
- Stainless connectors
- Plastic injection mounting box (optional)
- Operates with alternate or direct current
- Underwater connector
- H07RNF rubber cable

## P W Product & Power Options

Product Name	Light Color	Input Voltage (V)	Power (W)	Luminous Flux (lm)	Weight (kg)
AC1J03	WW-NW-CW	12-24V DC	4	410	1,1
AC1J03	WW-NW-CW	12-24V DC	8	820	1,1
AC1J03	RGB	7,5V DC	8	-	1,1

Power and Lumen values provided are based off of a lensless product with cold white (CW) LED. It may vary according to the desired color.

## C Light Color Options

● WW: Warm White	3000K	● R: Red	625nm
● NW: Natural White	4000K	● G: Green	525nm
● CW: Cold White	6500K	● B: Blue	465nm
● RGB		● A: Amber	590nm

## S System Options

- 01 Standart (ON/OFF)
- 02 PWM-DIM

## O Lens Options



XN: Extra Narrow Angle

N: Narrow Angle

XW: Without lens

## Accessories



24002368: Mounting Box



### Order Code

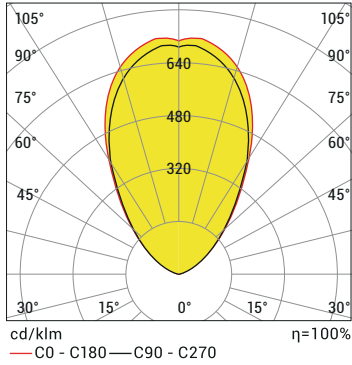
P . W . C . S . O





## Product Diagrams

Polar Diagram



Conical Diagram

H (mt)	Ø (m)	E <sub>max</sub> (lx)
3.0	4,02	63
2.5	3,35	91
2.0	2,68	141
1.5	2,01	251
1.0	1,34	566
0.5	0,67	2263

AC1J 3LED CW 8W 12-24V DC IP68

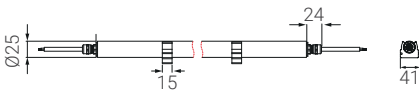
## Control System Options

Color Type	PWM	INV PWM	DMX	DALI	0-10V DC	TRIAC
WW-NW-CW	•			•	•	
R,G,B,A	•			•	•	
RGB	•					
RGBA/W						
RGB DMX						
WHITE DMX						

Product Code	Voltage (V DC)	Control Systems	Cable Core Quantity		
			Mono	RGB	RGB W/A
AC1J03	7,5	PWM	-	4x	-
	12	PWM	2x	-	-
	12-24	ON/OFF	2x	-	-



Bademlik, Eskişehir



- Min. 20 micron anodized aluminum extruded profile
- Anodized aluminum housing
- Rubber power cable
- Stainless connectors
- Insulated, PVC side cover
- UV protective transparent tube
- Cooling capacity up to 21,6 W/m
- Suitable for surface mounting

## P W Product & Power Options

Product Name/LED Quantity	Light Color	Input Voltage (V)	Power (W/mt)	Luminous Flux (lm)	Weight (kg)
LLUT30LED	WW-NW-CW	24V DC	2,4	245	0,455
LLUT30LED	WW-NW-CW	24V DC	4,8	485	0,455
LLUT45LED	WW-NW-CW	24V DC	7,2	615	0,455
LLUT45LED	WW-NW-CW	24V DC	10,8	1065	0,455
LLUT60LED	WW-NW-CW	24V DC	7,2	715	0,455
LLUT90LED	WW-NW-CW	24V DC	10,8	905	0,455
LLUT30LED	RGB	24V DC	7,2	-	0,455
LLUT45LED	RGB	24V DC	10,8	-	0,455
LLUT30LED-DMX	RGB - Pixel	24V DC	8,4	-	0,455
LLUT45LED-DMX	RGB - Pixel	24V DC	12,6	-	0,455

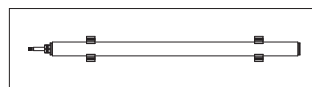
\*Power and Lumen values provided are based off of a "cold white (CW) LED".

## C Light Color Options

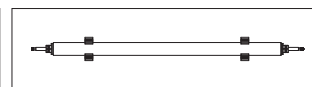
● WW: Warm White 3000K	● R: Red 625nm
● NW: Natural White 4000K	● G: Green 525nm
● CW: Cold White 6500K	● B: Blue 465nm
● RGB	● A: Amber 590nm

\*Different colors are optional

## K Cable Direction Options



01: Left input



03: Input and output



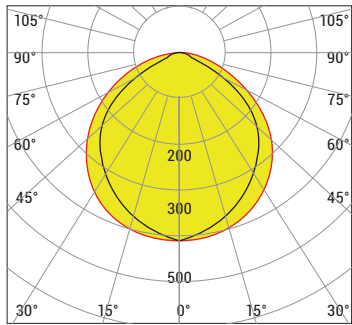
Order Code

P . W . C . K



## Product Diagrams

Polar Diagram



cd/klm  $\eta=100\%$   
 — C0 - C180 — C90 - C270

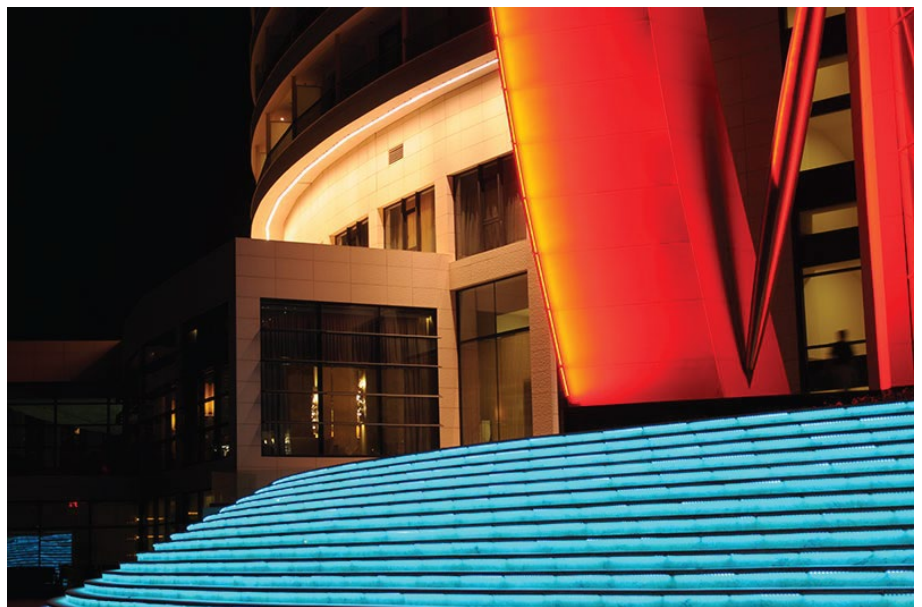
Conical Diagram

H (mt)	$\emptyset$ (m)	E <sub>max</sub> (lx)
0.5	1.95	1170
1.0	3.89	292
1.5	5.84	130
2.0	7.78	73
2.5	9.73	47
3.0	11.67	32

LLUT 45 LED CW 120D 10.8W 24V DCIP68

## Control System Options

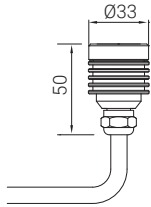
Color Type	PWM	INV PWM	DMX	DALI	0-10V DC	TRIAC
WW-NW-CW	•			•	•	
R,G,B,A	•			•	•	
RGB	•					
RGBA/W	•					
RGB DMX			•			
WHITE DMX			•			



Stair Lighting



Pool Lighting



- 316 L chrome body and chrome spot frame
- Polycarbonate luminaire glass
- Plastic injection mounting box
- Underwater connector
- H07RNF rubber cable

## P W Product & Power Options

Product Name	Light Color	Input Voltage (V)	Power (W)	Luminous Flux (lm)	Weight (kg)
AC500N	WW-NW-CW	12-24V DC	2	150	0,25
AC500N	WW-NW-CW	12-24V DC	3	310	0,25
AC500N	RGB	7,5V DC	8	-	0,25

Power and Lumen values provided are based off of a lensless product with cold white (CW) LED. It may vary according to the desired color.

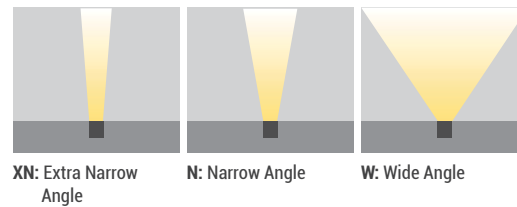
## C Light Color Options

● WW: Warm White 3000K	● R: Red 625nm
● NW: Natural White 4000K	● G: Green 525nm
● CW: Cold White 6500K	● B: Blue 465nm
● RGB	● A: Amber 590nm

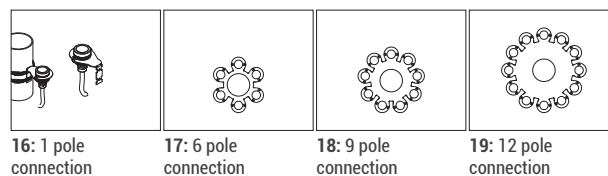
## S System Options

- 01 Standart (ON/OFF)
- 02 PWM-DIM

## O Lens Options



## M Mounting Options



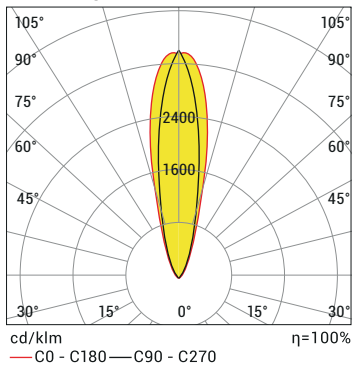
Order Code

P . W . C . S . O . M



## Product Diagrams

Polar Diagram



Conical Diagram

H (mt)	Ø (m)	Emax (lx)
3.0	1,08	116
2.5	0,90	167
2.0	0,72	262
1.5	0,54	465
1.0	0,36	1047
0.5	0,18	4186

AC500N CW 25D 3W 12-24V DC IP68

## Control System Options

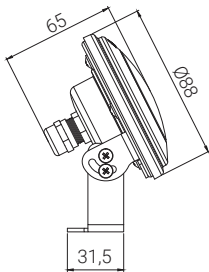
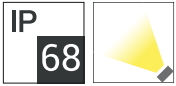
Color Type	PWM	INV PWM	DMX	DALI	0-10V DC	TRIAC
WW-NW-CW	•			•	•	
R,G,B,A	•			•	•	
RGB	•					
RGBA/W						
RGB DMX			•			
WHITE DMX			•			

Product Code	Voltage (V DC)	Control Systems	Cable Core Quantity		
			Mono	RGB	RGB W/A
AC500N	5	PWM	2x	-	-
	7,5	PWM	-	4x	-
	12-24	ON/OFF	2x	-	-



Catamaran, Antalya





- Chrome coated or PC spot frame in white color
- Corrosion protection by double layered electrostatic powder coated body
- Polycarbonate glass
- 316 L Stainless connectors
- Operates with alternate or direct current
- Underwater connector
- H07RNF rubber cable

## P W Product & Power Options

Product Name	Light Color	Input Voltage (V)	Power (W)	Luminous Flux (lm)	Weight (kg)
AC1N03	WW-NW-CW	12-24V DC	4	410	0,40
AC1N03	WW-NW-CW	12-24V DC	8	820	0,40
AC1N03	RGB	12-24V DC	4	-	0,40

Power and Lumen values provided are based off of a lensless product with cold white (CW) LED. It may vary according to the desired color.

## C Light Color Options

● WW: Warm White	3000K	● R: Red	625nm
● NW: Natural White	4000K	● G: Green	525nm
● CW: Cold White	6500K	● B: Blue	465nm
● RGB		● A: Amber	590nm

## S System Options

- 01 Standart (ON/OFF)
- 02 PWM-DIM
- 03 Invert PWM-DIM

## O Lens Options



N: Narrow Angle      XW: Without lens

## U Upper Piece Options



15: Chrome coated spot frame      16: White plastic spot frame



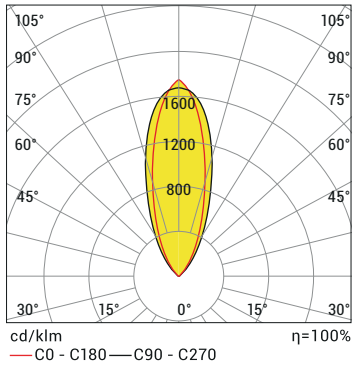
Order Code

P . W . C . S . O . U



## Product Diagrams

Polar Diagram



Conical Diagram

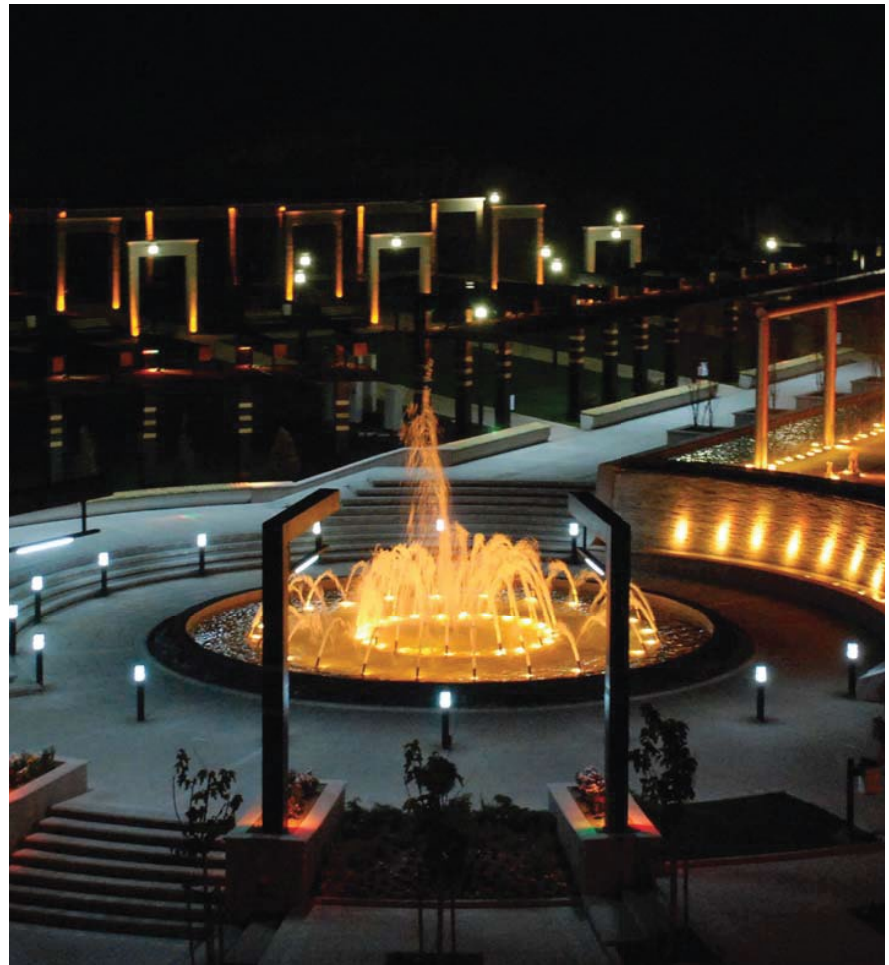
H (mt)	Ø (m)	Emax (lx)
3.0	1,69	160
2.5	1,41	230
2.0	1,12	359
1.5	0,84	638
1.0	0,56	1436
0.5	0,28	5744

AC1N 3LED CW 8W 12-24V DC IP68

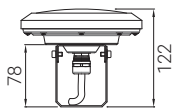
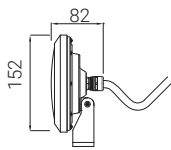
## Control System Options

Color Type	PWM	INV PWM	DMX	DALI	0-10V DC	TRIAC
WW-NW-CW	•			•	•	
R,G,B,A	•			•	•	
RGB	•					
RGBA/W						
RGB DMX						
WHITE DMX						

Product Code	Voltage (V DC)	Control Systems	Cable Core Quantity		
			Mono	RGB	RGB W/A
AC1N03	7,5	PWM	-	4x	-
	12	PWM	2x	-	-
	12-24	ON/OFF	2x	-	-
	12-24	INV-PVM	3x	5x	-



Gölbaşı Park, Ankara



- Chrome coated or PC spot frame in white color
- 316L stainless steel body
- Corrosion protection by double layered electrostatic powder coated body
- Polycarbonate glass
- 316 L Stainless connectors
- Operates with alternate or direct current
- Underwater connector
- H07RNF rubber cable

## P W Product & Power Options

Product Name	Light Color	Input Voltage (V)	Power (W)	Luminous Flux (lm)	Weight* (kg)
AC3N09	WW-NW-CW	12-24V DC	12	1.200	0,65-1,3
AC3N09	WW-NW-CW	12-24V DC	18	1.680	0,65-1,3
AC3N09	WW-NW-CW	12-24V DC	25	2.400	0,65-1,3
AC3N09	RGB	12V DC	13	-	0,65-1,3
AC3N09	RGB	12V DC	18	-	0,65-1,3

Power and Lumen values provided are based off of a lensless product with cold white (CW) LED. It may vary according to the desired color.  
\* Product weight provided is based off of the chrome and aluminum options.

## C Light Color Options

● WW: Warm White	3000K	● R: Red	625nm
● NW: Natural White	4000K	● G: Green	525nm
● CW: Cold White	6500K	● B: Blue	465nm
		● A: Amber	590nm

## S System Options

- 01 Standart (ON/OFF)
- 02 PWM-DIM
- 03 Invert PWM-DIM

## O Lens Options



XN: Extra Narrow Angle

M: Medium Angle

W: Wide angle

XW: Without lens

## B Body Options



09: Aluminum body - IP67

10: Chrome Body - IP68

\*Application of aluminum and chrome bodies in water are different. Please read the user manual.

## K Cable Direction Options

Chrome Body

Aluminum Body



08: Single entry through center

09: Single bottom entry

10: Entry and exit through cover

\*Additional underwater cable joint has to be used in need of extra underwater cables.



### Order Code

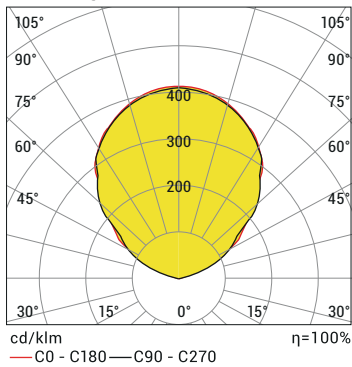
P . W . C . S . O . B . K . U





## Product Diagrams

Polar Diagram



Conical Diagram

H (mt)	∅ (m)	E <sub>max</sub> (lx)
3.0	6,64	17
2.5	5,53	164
2.0	4,43	256
1.5	3,32	455
1.0	2,21	1023
0.5	1,11	4093

AC3N 9LED CW 120D 25W 12-24V DC IP67

## U Upper Piece Options



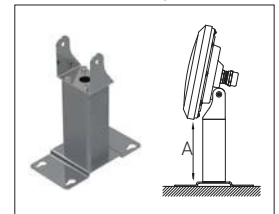
15: Chrome coated spot frame



16: Plastic spot frame in white

## Mounting Accessories

Stand extension pieces



34: 5cm  
35: 10cm  
36: 20cm

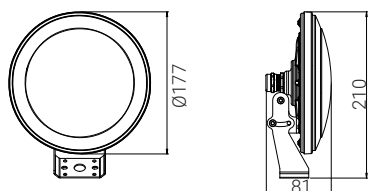
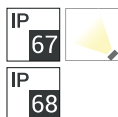
## Control System Options

Color Type	PWM	INV PWM	DMX	DALI	0-10V DC	TRIAC
WW-NW-CW	•			•	•	
R,G,B,A	•			•	•	
RGB	•					
RGBA/W						
RGB DMX			•			
WHITE DMX			•			

Product Code	Voltage (V DC)	Control Systems	Cable Core Quantity		
			Mono	RGB	RGB W/A
AC3N09	12	PWM	2x	4x	-
	12-24	ON/OFF	2x	-	-
	12-24	INV-PVM	3x	5x	-



Maxx Royal Otel, Antalya



- Chrome coated or PC spot frame in white color
- 316 L Press forming chrome body or aluminum injection electrostatic powder coated body
- Polycarbonate glass
- 316 L Stainless connectors
- Operates with alternate or direct current
- Underwater connector
- H07RNF rubber cable

## P W Product & Power Options

Product Name	Light Color	Input Voltage (V)	Power (W)	Luminous Flux (lm)	Weight (kg)
AC5N18	WW-NW-CW	12-24V DC	21	2.100	0,8-1,7
AC5N18	WW-NW-CW	12-24V DC	32	3.200	0,8-1,7
AC5N18	WW-NW-CW	12-24V DC	46	4.800	0,8-1,7
AC5N18*	RGB	24V DC	26	-	0,8-1,7
AC5N18*	RGB	24V DC	36	-	0,8-1,7

Power and Lumen values provided are based off of a lensless product with cold white (CW) LED. It may vary according to the desired colour. Product weight provided is based off of chrome and aluminum options. \*RGB products can be produced in 12-24 V DC and product values may vary.

## C Light Color Options

● WW: Warm White	3000K	● R: Red	625nm
● NW: Natural White	4000K	● G: Green	525nm
● CW: Cold White	6500K	● B: Blue	465nm
● RGB		● A: Amber	590nm

## S System Options

- 01 Standart (ON/OFF)
- 02 PWM-DIM
- 03 Invert PWM-DIM

## O Lens Options



XN: Extra Narrow Angle    M: Medium Angle    W: Wide angle    XW: Without lens

## B Body Options



09: Aluminum Body - IP67    10: Chrome Body - IP68

\*Additional underwater cable joint has to be used in need of extra underwater cables.

## K Cable Direction Options

Chrome Body

Aluminum Body



08: Single entry through center    09: Single bottom entry    10: Entry and exit through cover

\*Additional underwater cable joint has to be used in need of extra underwater cables.



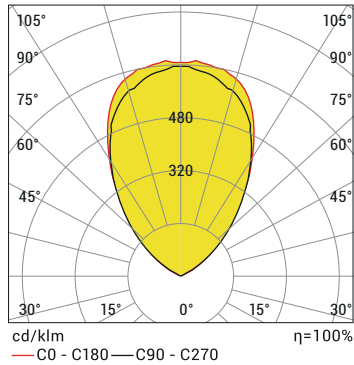
Order Code

P . W . C . S . O . B . K . U

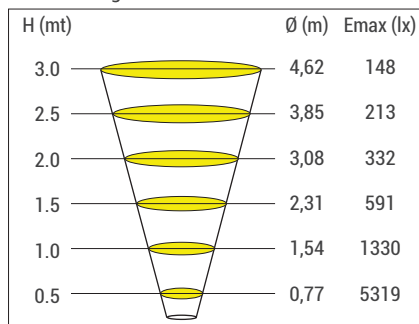


## Product Diagrams

Polar Diagram



Conical Diagram



AC5N 18LED CW 60D 20W 12-24V DC IP67

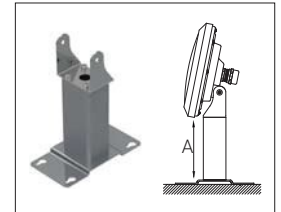
## U Upper Piece Options



15: Chrome coated spot frame 16: Plastic spot frame in white

## Mounting Options

Stand extension pieces



34: 5cm  
35: 10cm  
36: 20cm

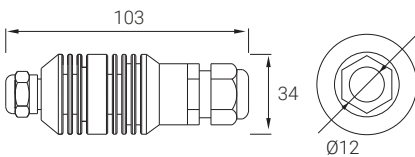
## Control System Options

Color Type	PWM	INV PWM	DMX	DALI	0-10V DC	TRIAC
WW-NW-CW	•	•		•	•	
R,G,B,A	•	•		•	•	
RGB	•	•				
RGBA/W						
RGB DMX			•			
WHITE DMX			•			

Product Code	Voltage (V DC)	Control Systems	Cable Core Quantity		
			Mono	RGB	RGB W/A
AC5N18	24	PWM	2x	4x	-
	12-24	ON/OFF	2x	-	-
	12-24	INV-PVM	3x	5x	-



Ornamental Pool, İzmir



- Aluminum body
  - Fixed (unchanging) or changing color option
  - Works silently, without the need for fan cooling
  - Up to 200 mixed fiber optic strands
- \*See size options in table FO package options*

## P W Product & Power Options

Product Name	Light Color	Input Voltage (V)	Power (W)	Weight (kg)
IK7-V2	WW-NW-CW	220-240V AC	2	0,3
IK7-V2	WW-NW-CW	5V DC	2	0,3
IK7-V2	RGB	7,5V DC	6	0,3

## C Light Color Options

● WW: Warm White	3000K	● R: Red	625nm
● NW: Natural White	4000K	● G: Green	525nm
● CW: Cold White	6500K	● B: Blue	465nm
		● A: Amber	590nm

## UZ Length Options

0 (Only light source)	200cm
100cm	300cm
150cm	500cm

## PK Package Options

50 Mixed Strand	150 Mixed Strand
75 Mixed Strand	200 Mixed Strand
100 Mixed Strand	

## Fo Package Options

Fiber Optic Cable Type	50 Mixed strand (qty)	75 Mixed strand (qty)	100 Mixed strand (qty)	150 Mixed strand (qty)	200 Mixed strand (qty)
20	0	0	0	88	133
30	20	40	60	30	40
40	10	16	25	15	15
60	8	10	8	10	8
80	6	5	5	5	2
100	3	2	1	1	1
120	3	2	1	1	1

## Control System Options

Color Type	PWM	INV PWM	DMX	DALI	0-10V DC	TRIAC
WW-NW-CW	●				●	
R,G,B,A	●				●	
RGB	●					
RGBA/W	●					
RGB DMX						
WHITE DMX						

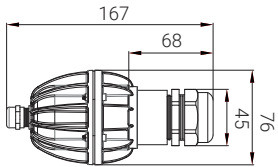


Order Code

P W C UZ PK



IP  
44



- Electrostatic powder coated aluminum injection body
- Fixed (unchanging) or changing color option
- Works silently, without the need for fan cooling
- Comes with up to 400 mixed fiber optic strands

\*See size options in table FO package options

## P W Product & Power Options

Product Name	Light Color	Input Voltage (V)	Power (W)	Weight (kg)
IK77-V2	WW-NW-CW	220-240V AC	10	0,53
IK77-V2	WW-NW-CW	12V DC	13	0,53
IK77-V2	WW-NW-CW	12V DC	18	0,53
IK77-V2	RGB	12V DC	18	0,53

## C Light Color Options

● WW: Warm White	3000K	● R: Red	625nm
● NW: Natural White	4000K	● G: Green	525nm
● CW: Cold White	6500K	● B: Blue	465nm
		● A: Amber	590nm

## UZ Length Options

0 (Only light source)	200cm
100cm	300cm
150cm	500cm

## PK Package Options

100 Mixed Strand	300 Mixed Strand
150 Mixed Strand	350 Mixed Strand
200 Mixed Strand	400 Mixed Strand
250 Mixed Strand	

## Fo Package Options

Fiber Optic Cable Type	100 Mixed strand (qty)	150 Mixed strand (qty)	200 Mixed strand (qty)	250 Mixed strand (qty)	300 Mixed strand (qty)	350 Mixed strand (qty)	400 Mixed strand (qty)
20	0	35	60	90	120	140	150
30	20	30	40	60	90	100	120
40	20	25	35	30	40	60	90
60	18	20	30	35	20	28	22
80	16	16	18	20	15	10	10
100	14	12	10	10	9	6	4
120	12	12	7	5	6	6	4

## Control System Options

Color Type	PWM	INV PWM	DMX	DALI	0-10V DC	TRIAC
WW-NW-CW	●				●	
R,G,B,A	●				●	
RGB	●					
RGBA/W						
RGB DMX						
WHITE DMX						

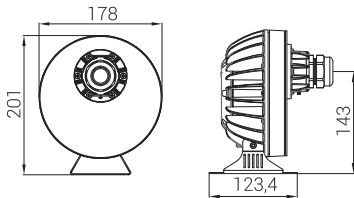


Order Code

P . W . C . UZ . PK



IP 54



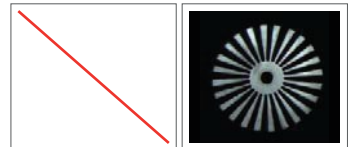
## P W Product & Power Options

Product Name	Light Color	Input Voltage (V)	Power (W)	Weight (kg)
IK777	WW-NW-CW	220-240V AC	25	2,1
IK777	WW-NW-CW	220-240V AC	40	2,1

## C Light Color Options

● WW: Warm White	3000K
● NW: Natural White	4000K
● CW: Cold White	6500K

## U Filter Options



24: Without Filter

25: Mechanical Filter

## UZ Length Options

0 (Only light source)	200cm
100cm	300cm
150cm	500cm

## PK Package Options

100 Mixed Strand	300 Mixed Strand
150 Mixed Strand	350 Mixed Strand
200 Mixed Strand	400 Mixed Strand
250 Mixed Strand	



- Electrostatic powder coated aluminum injection body
- Mechanical filter
- High efficiency with Multi-Chip LED
- Works silently, without the need for fan cooling
- Comes with up to 400 mixed fiber optic strands

\*See size options in table FO package options

## Fo Package Options

Fiber Optic Cable Type	100 Mixed strand (qty)	150 Mixed strand (qty)	200 Mixed strand (qty)	250 Mixed strand (qty)	300 Mixed strand (qty)	350 Mixed strand (qty)	400 Mixed strand (qty)
20	0	35	60	90	120	140	150
30	20	30	40	60	90	100	120
40	20	25	35	30	40	60	90
60	18	20	30	35	20	28	22
80	16	16	18	20	15	10	10
100	14	12	10	10	9	6	4
120	12	12	7	5	6	6	4

## Control System Options

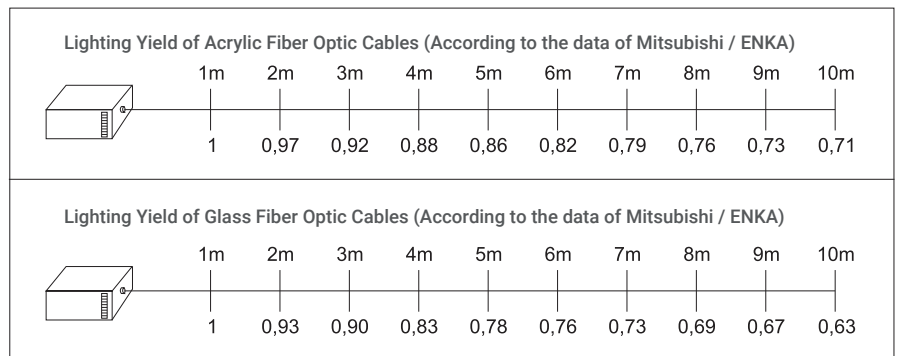
Color Type	PWM	INV PWM	DMX	DALI	0-10V DC	TRIAC
WW-NW-CW						
R,G,B,A						
RGB						
RGBA/W						
RGB DMX						
WHITE DMX						



Order Code

P . W . C . U . UZ . PK





## Fiber Optic Cables / FOK

These are the system's basic components that enable the transportation of the light, generated at the light source, to the area of usage. The fiber optic cables are lifetime guaranteed, except the circumstances of application of force and fading or degradation would not occur in the light transported by such cables. Fiber optic cables can be applied anywhere between the temperatures of +110°C and -40°C and are resistant against adverse conditions such as underground, underwater, inner concrete and humid areas. Due to being light transporters, these cables do not cause any risk of power failure. All of the fiber optic cables, utilised for our products, are fiber optic cables manufactured by the Mitsubishi Company. Mitsubishi, which has been manufacturing fiber optic cables since 1975, is one of the best companies throughout the world in this regard. Mitsubishi, aside from our company, exports these cables to many highly qualified companies, located in the in the USA and Europe. Fiber optic cables are manufactured as bared in two main forms which are glass and acrylic. The cutting and shaping, forming harnesses, encasement and finishing of fiber optic cables, depending on needs, which we import in reels, unprocessed, are performed by our company.



- Electrostatic powder coated aluminum injection body
- Fixed (unchanging) or changing color option
- Works silently, without the need for fan cooling
- Comes with up to 400 mixed fiber optic strands

\*See size options in table FO package options

## Acrylic Fiber Optic Cables

Poly Methyl Methacrylate (PMMA) is utilised as a basic substance for the structures of these cables. These are manufactured in diameters between 0.25 mm and 3 mm. The cables can provide long term runtime between the degrees of -40 and +70 °C and short term runtime up to +110°C. These can enable the transportation of the generated light, when affixed to the light outlets of light sources. As these cables can radiate from ends, they can also be ensured to give off light from the side after being harnessed or braided or to transport more quantity of light by being harnessed and encased. The cutting of parts of the cables, which are affixed to the light sources, require quite a specific technology, thus making the on-site manufacturing of fiber optic systems rather difficult. Due to the aforesaid fact, we forge package systems, by merging the ends of fiber optic cables, in a given number and dimensions or prepare cables at the required dimensions and quantities.

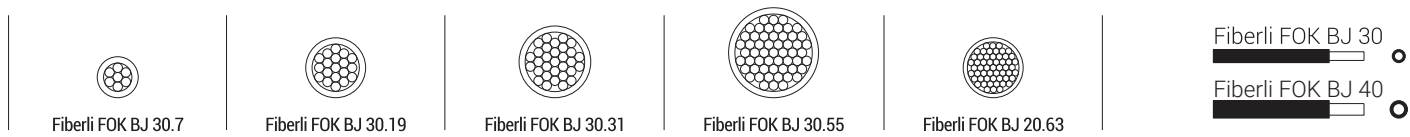
## Non-sheathed Cables

Product Code	Section	Section area (mm <sup>2</sup> )	Diameter (mm)	m/mkr
Fiberli FOK 10	• —————	0,049	0,25	12.000
Fiberli FOK 20	• —————	0,196	0,50	6.000
Fiberli FOK 30	• —————	0,441	0,75	2.700
Fiberli FOK 40	• —————	0,785	1,00	1.500
Fiberli FOK 60	• —————	1,766	1,50	700
Fiberli FOK 80	• —————	3,140	2,00	250
Fiberli FOK 100	• —————	4,906	2,50	250
Fiberli FOK 120	• —————	7,065	3,00	150



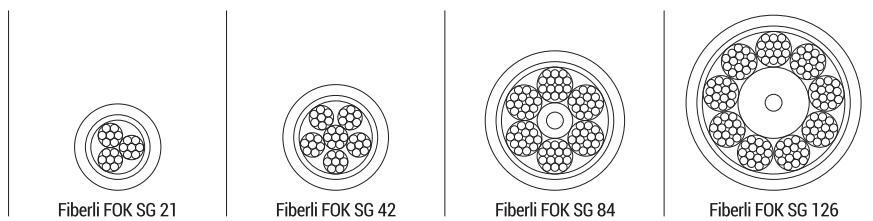
## End Radiant Unsheathed Cables

Product Code	Instruction	Section area (mm <sup>2</sup> )	Diameter (mm)	m/mkr
Fiberli FOK BJ 30	Black Jacketed PMMA	0,441	0,75	500
Fiberli FOK BJ 40	Black Jacketed PMMA	0,785	1,00	500
Fiberli FOK BJ 30.7	Black Jacketed PMMA	3,080	3,25	100
Fiberli FOK BJ 30.19	Black Jacketed PMMA	8,380	4,75	100
Fiberli FOK BJ 30.31	Black Jacketed PMMA	13,68	5,60	100
Fiberli FOK BJ 30.55	Black Jacketed PMMA	24,25	7,12	100
Fiberli FOK BJ 20.63	Black Jacketed PMMA	3,080	3,25	100



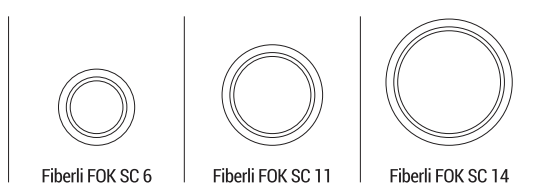
## Side Radiant Sheathed Cables

Product Code	Instruction	Diameter (mm)	Quantity
Fiberli FOK SG 21	Transparent Jacketed Mitsubishi PMMA	75	21
Fiberli FOK SG 42	Transparent Jacketed Mitsubishi PMMA	75	42
Fiberli FOK SG 84	Transparent Jacketed Mitsubishi PMMA	75	84
Fiberli FOK SG 126	Transparent Jacketed Mitsubishi PMMA	75	126



## Side Radiant Sheathed Cables

Product Code	Instruction	Diameter (mm)	Quantity
Fiberli FOK SC 6	Transparent Jacketed PMMA	6	-
Fiberli FOK SC 11	Transparent Jacketed PMMA	11	-
Fiberli FOK SC 14	Transparent Jacketed PMMA	14	-













*A better way to see!*

*"From Lykia with love, the country of lights"*

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