



**VESTEL**  
Led Lighting Solutions  
2018 - 2019













## **I N D E X**

### **COMPANY PROFILE**

04-05

### **GLOBAL OPERATIONS**

06-07

### **FEATURE LIST**

08

#### *indoor lighting*

### **HIGH BAY**

10-23

### **MID BAY**

24

### **BATTEN**

25-30

### **TRUNK LIGHT**

31-33

### **PANEL LIGHT**

34-39

### **DOWNLIGHT**

40-43

### **TRACKLIGHT**

44-47

#### *outdoor lighting*

### **SMART LIGHTING**

49-50

### **STREET LIGHT**

51-75

### **AREA LIGHT**

76

### **FLOOD LIGHT**

77-79

### **PROJECTOR**

80-82

### **GARDEN POLE**

83-85

### **BOLLARD**

86

### **ADDRESSES**

91







## COMPANY PROFILE



1.100.000 m<sup>2</sup>  
Closed Production  
Area



16.000  
Employees



35 Million  
Device Production Capacity



\$ 4 Billion  
Turnover



18 Million  
TV Production  
Capacity



10,9 Million  
Home Appliances  
Production Capacity



Export Leader of  
Turkey with  
\$ 2.5 Billion

### Vestel City, which comprises nine plants located in Manisa, is amongst the biggest industrial complexes of the world.

As one of the leading enterprises in Turkey, Vestel is a major player in consumer electronics, mobile technologies, household appliances, professional displays and LED lighting with renowned products, including television sets, educational, hospitality and digital signage solutions, digital set-top boxes, tablet PCs, smart phones, refrigerators, washing machines, tumble dryers, cooking appliances, dishwashers, air conditioners, and water heaters.

The company is recognised for its cutting-edge designs, high product quality, large production capacity, and superior market share growth.

Vestel offers a wide range of LED Lighting solutions for retail, offices, hospitality, outdoor, healthcare, industrial and architectural use. Vestel LED Lighting solutions are designed to reduce the energy consumption significantly without compromising the light level and quality with a long lifecycle for these areas. The unique designs

also help reducing operational and maintenance costs.

Manufacturing at the highest quality standards requires discipline as well as knowledge and experience.

All Vestel products are tested in-house in the company's certified quality labs to ensure electronic and mechanical sustainability.

Vestel places the utmost importance to product design and development. The company invests in new technological developments continuously to lead the electronics and household appliance markets.

R&D facilities located in Manisa, İstanbul, United Kingdom, and China employ the highest caliber engineers to develop hardware and software solutions that provide clients with world-class quality products.

Vestel has proven its success in product design by receiving the most prestigious design awards every year from well-known

industrial design organizations for a variety of products.

Vestel Trade, the company responsible for the marketing and sales of Vestel products overseas, exports 73% percent of its production under leading Japanese and European brands to 156 countries.

Distributing its products to seven continents, Vestel takes its place as a world-class company.



## GLOBAL OPERATIONS

### Manufacturing & Assembly Plants

TV, Set-top Boxes – Manisa, Turkey

Professional Displays, Tablet PC, Smart Phone, LED lighting – Manisa Turkey

Refrigerator, Washing Machine, Dishwasher, Tumble Dryer, Cooking Appliances, Air Conditioner, Water Heater – Manisa, Turkey

### Marketing & Sales Companies

Vestel Trade, Turkey

Vestel France, France

Vestel Germany, Germany

Vestel UK, United Kingdom

Vestel Iberia, Spain

Gruppo Industriale Vesit, Italy

Vestel Benelux, The Netherlands

Vestel CIS Ltd, Russia

Vestel Electronica, Romania

Vestel Scandinavia, Finland

Vestfrost Household, Denmark

Vestel Central Asia, Kazakhstan

### R&D Centers

Manisa, Turkey

Istanbul, Turkey

Bristol, United Kingdom

Shanghai, China







## STANDARD FEATURES



**Lumianire is produced and certified in conformity with relevant IEC/EN 60598 safety standard series:**

IEC/EN 60598-1 (General requirements and tests)

IEC/EN 60598-2-1 (Particular requirements for fixed general purpose luminaires)

IEC/EN 60598-2-2 (Particular requirements for recessed luminaires)

IEC/EN 60598-2-3 (Particular requirements for road and street lighting luminaires)

IEC/EN 60598-2-5 (Particular requirements for floodlights)



**Lumianire is produced and certified in conformity with relevant EMC norms:**

IEC/EN 55015

IEC/EN 61000-3-2

IEC/EN 61000-3-3

IEC/EN 61547



**CE certified luminaire in conformity with in conformity with the relevant European Union harmonisation legislation:**

2014/30/EU – Electromagnetic Compatibility (EMC) Directive

2014/35/EU – Low Voltage Directive (LVD)

2011/65/EU – RoHS Directive



**ENEC approved luminaire.**

## OPTIONAL FEATURES



**Option of Class II protection against electric shock.**



**3 hours emergency kit option.**



**DALI control option.**



**1-10V dimming option.**



**UGR<19 low glare option.**



**Bi-level (100%-50%) step-dimming option.**



**DMX control option for RGB.**



**NEMA compliant socket option for photocell control.**



**TPb rated diffuser option against fire and heat.**



**Metal or plastic frame option.**



**Wireless, Autodimmer or HNS smart control option.**



**PIR sensor option**





INDOOR LIGHTING





## HIGH BAY V2 HP 73 W



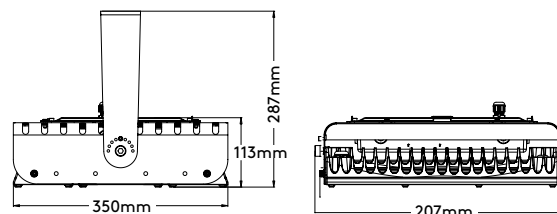
### Optical And Electrical

Power	73 W		
Colour Temperature	4000 K	5000 K	6500 K
Lumen Output	10.800 lm		
Efficacy	148 lm/W		
CRI	>70 (>80 Optional)		
Beam Angle	30°/50°/65°/100°/asym		
Dimming	Optional		
Emergency Kit	N/A		
Life Time	200.000 Hours		
Ip Rating	IP66		

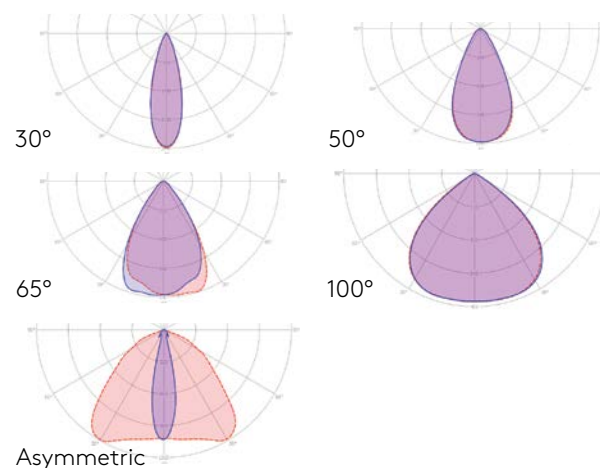
### Mechanical

Operating Temperature	-40°C – +40°C		
Dimensions (LxWxH)	350 x 207 x 113/287 mm		
Product Weight	9,2 kg		
Mounting Options	U-bracket, Pendant		

### DIMENSIONS



### LIGHT CURVE



■ C0-C180 ■ C90-C270 cd/100lm





## HIGH BAY V2 HP 108 W



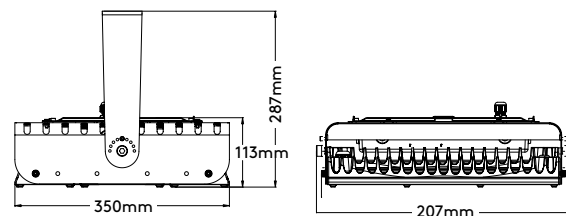
### Optical And Electrical

Power	108 W		
Colour Temperature	4000 K	5000 K	6500 K
Lumen Output	15.000 lm		
Efficacy	138 lm/W		
CRI	>70 (>80 Optional)		
Beam Angle	30°/50°/65°/100°/asym		
Dimming	Optional		
Emergency Kit	N/A		
Life Time	200.000 Hours		
Ip Rating	IP66		

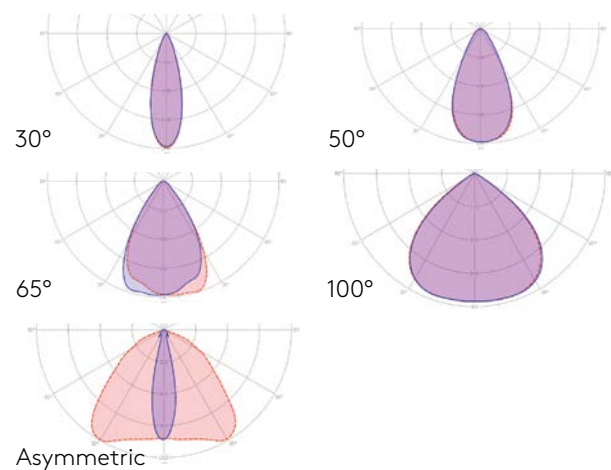
### Mechanical

Operating Temperature	-40°C – +40°C
Dimensions (LxWxH)	350 x 207 x 113/287 mm
Product Weight	9,2 kg
Mounting Options	U-bracket, Pendant

### DIMENSIONS



### LIGHT CURVE



■ C0-C180 ■ C90-C270 cd/100lm





## HIGH BAY V2 HP 147 W



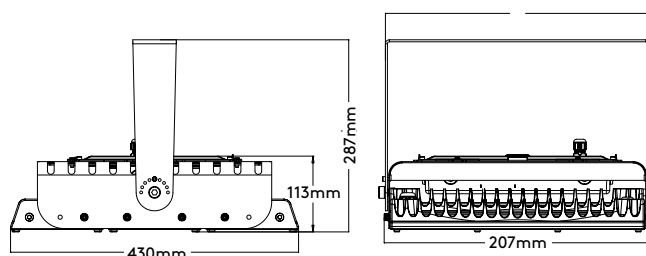
### Optical And Electrical

<b>Power</b>	147 W		
<b>Colour Temperature</b>	4000 K	5000 K	6500 K
<b>Lumen Output</b>	21.000 lm		
<b>Efficacy</b>	142 lm/W		
<b>CRI</b>	>70 (>80 Optional)		
<b>Beam Angle</b>	30°/50°/65°/100°/asym		
<b>Dimming</b>	Optional		
<b>Emergency Kit</b>	N/A		
<b>Life Time</b>	200.000 Hours		
<b>Ip Rating</b>	IP66		

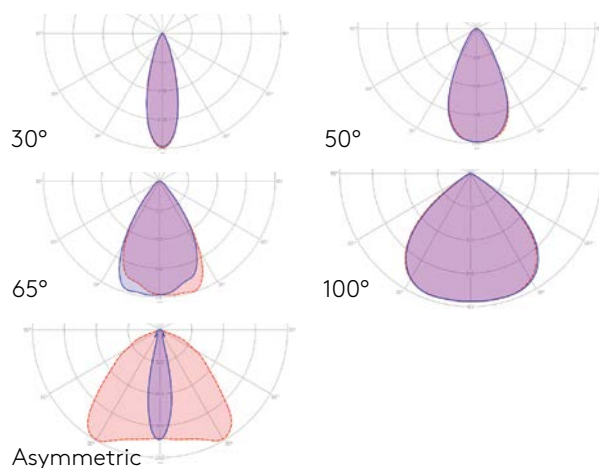
### Mechanical

<b>Operating Temperature</b>	-40°C – +40°C
<b>Dimensions (LxWxH)</b>	430 x 207 x 113/287 mm
<b>Product Weight</b>	11,5 kg
<b>Mounting Options</b>	U-bracket, Pendant

### DIMENSIONS



### LIGHT CURVE



■ C0 - C180 ■ C90 - C270 cd/100lm





## HIGH BAY V2 MP 80 W



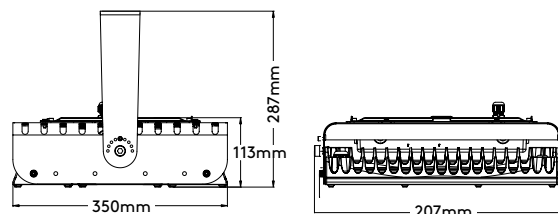
### Optical And Electrical

Power	80 W
Colour Temperature	4000K
Lumen Output	9600 lm
Efficacy	120 lm/W
CRI	>80
Beam Angle	30° / 60° / 90° / Oval
Dimming	Optional
Emergency Kit	N/A
Life Time	100.000 Hours
Ip Rating	IP66

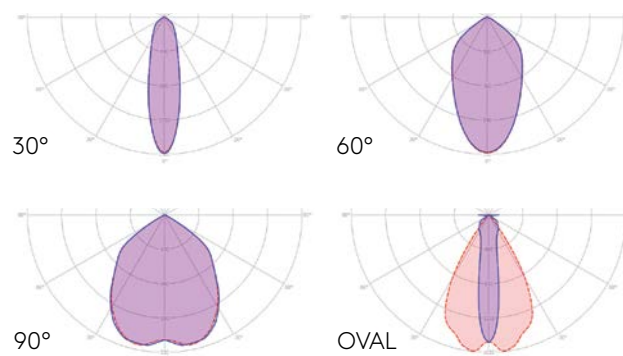
### Mechanical

Operating Temperature	-40°C – +40°C
Dimensions (LxWxH)	350 x 207 x 287 mm
Product Weight	9,2 kg
Mounting Options	U-bracket, Pendant

### DIMENSIONS



### LIGHT CURVE



■ C0-C180 ■ C90-C270 cd/100lm



## HIGH BAY V2 MP 108 W



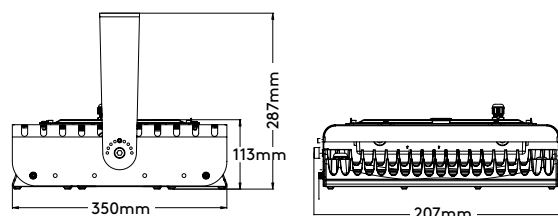
### Optical And Electrical

Power	108 W	
Colour Temperature	4000K	6500K
Lumen Output	13600 lm	
Efficacy	120 lm/W	
CRI	>80	
Beam Angle	30° / 60° / 90° / Oval	
Dimming	Optional	
Emergency Kit	N/A	
Life Time	100.000 Hours	
Ip Rating	IP66	

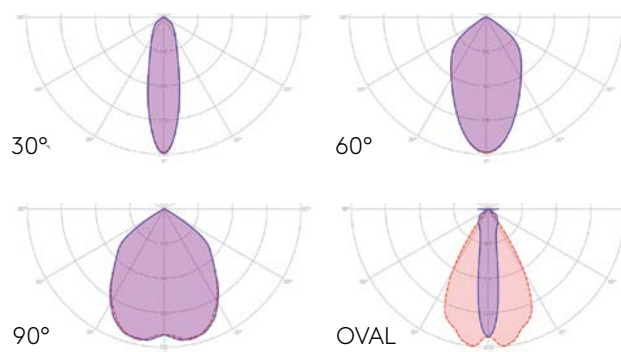
### Mechanical

Operating Temperature	-40°C – +40°C
Dimensions (LxWxH)	350 x 207 x 287 mm
Product Weight	9,2 kg
Mounting Options	U-bracket, Pendant

### DIMENSIONS



### LIGHT CURVE



■ C0 - C180 ■ C90 - C270 cd/100lm





## HIGH BAY V2 MP 132 W



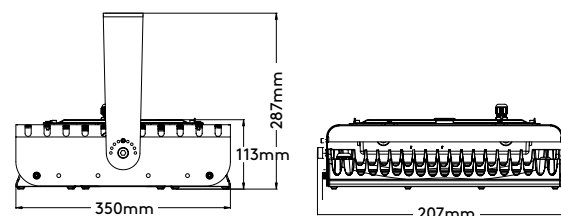
### Optical And Electrical

Power	132 W	
Colour Temperature	4000K	6500K
Lumen Output	18,400 lm	
Efficacy	132 lm/W	
CRI	>80	
Beam Angle	30° / 60° / 90° / Oval	
Dimming	Optional	
Emergency Kit	N/A	
Life Time	100.000 Hours	
Ip Rating	IP66	

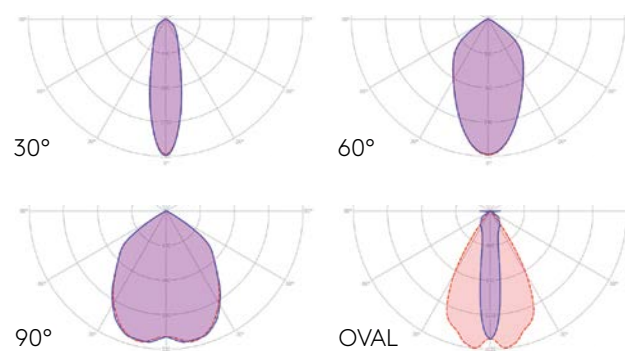
### Mechanical

Operating Temperature	-40°C – +40°C
Dimensions (LxWxH)	350 x 207 x 287 mm
Product Weight	11,5 kg
Mounting Options	U-bracket, Pendant

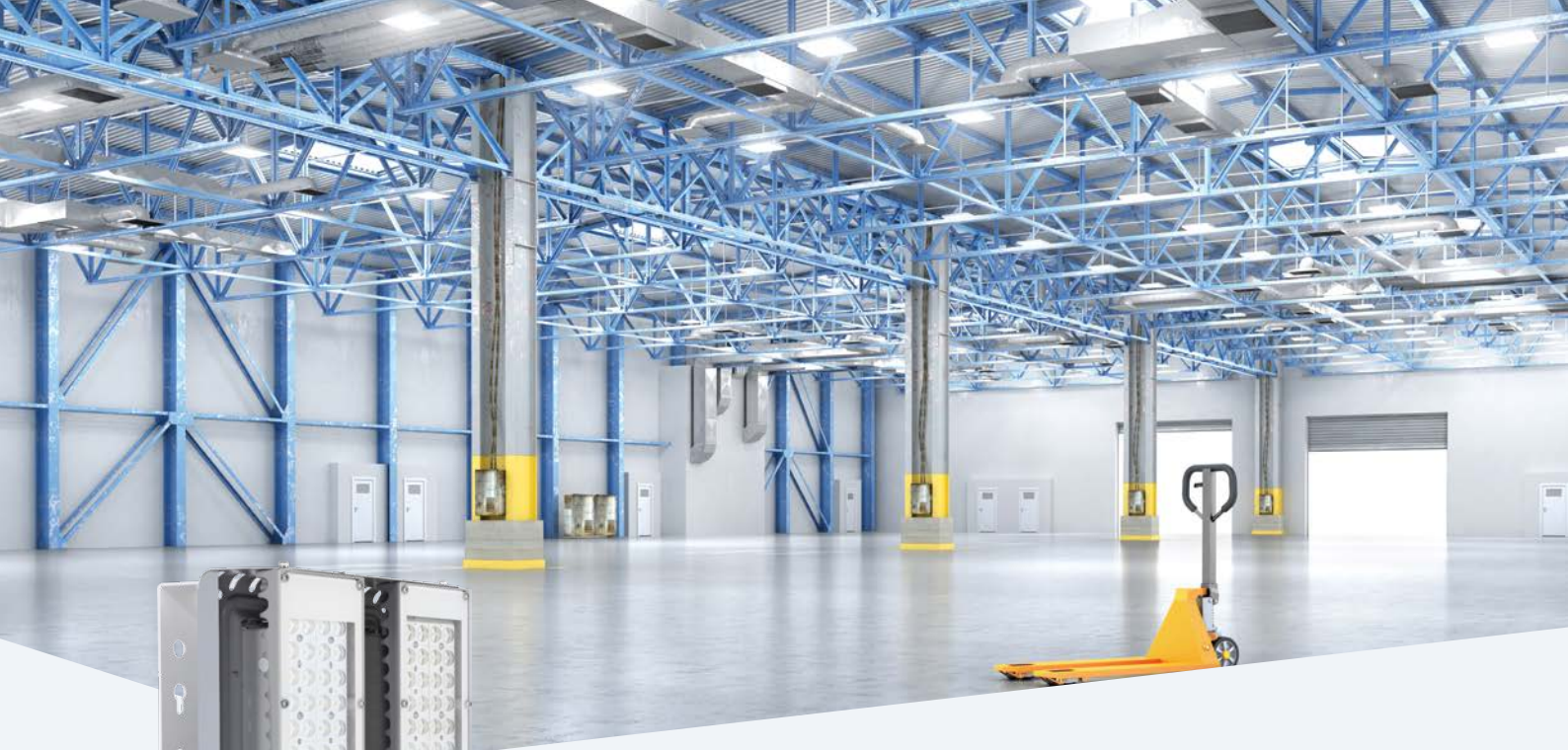
### DIMENSIONS



### LIGHT CURVE



■ C0-C180 ■ C90-C270 cd/100lm



## HIGH BAY V2 MP 142 W



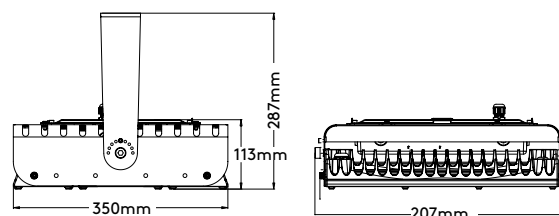
### Optical And Electrical

Power	142 W	
Colour Temperature	4000K	6500K
Lumen Output	20,000 lm	
Efficacy	140 lm/W	
CRI	>80	
Beam Angle	30° / 60° / 90° / Oval	
Dimming	Optional	
Emergency Kit	N/A	
Life Time	100.000 Hours	
Ip Rating	IP66	

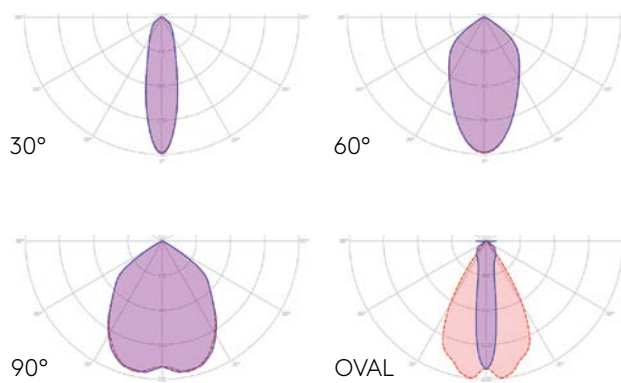
### Mechanical

Operating Temperature	-40°C – +40°C
Dimensions (LxWxH)	350 x 207 x 287 mm
Product Weight	11,5 kg
Mounting Options	U-bracket, Pendant

### DIMENSIONS



### LIGHT CURVE



■ C0 - C180 ■ C90 - C270 cd/100lm





## HIGH BAY Round HP 124 W



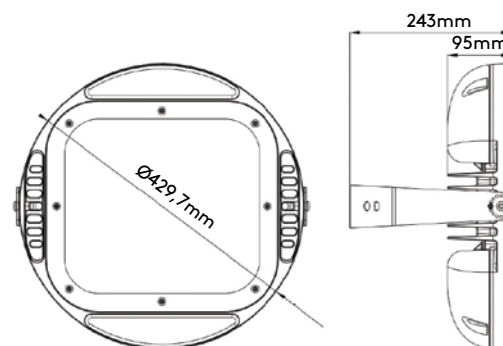
### Optical And Electrical

Power	124 W
Colour Temperature	4000 K
Lumen Output	15.500 lm
Efficacy	125 lm/W
CRI	>80
Beam Angle	55°/85°/105°/110°
Dimming	Optional
Emergency Kit	N/A
Life Time	100.000 Hours
Ip Rating	IP65

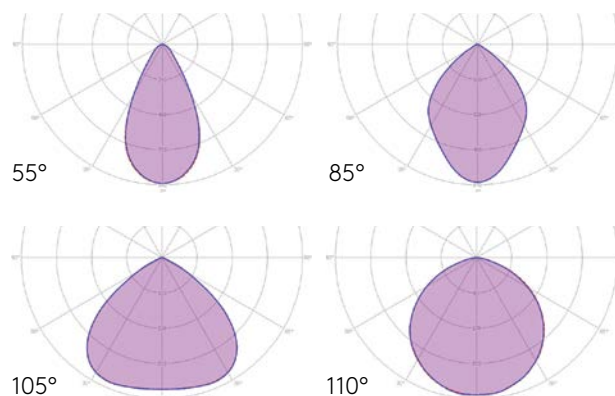
### Mechanical

Operating Temperature	-40°C – +40°C
Dimensions (LxWxH)	Ø429,7 x 95/243 mm
Product Weight	12,06 kg
Mounting Options	U-bracket, Pendant

### DIMENSIONS



### LIGHT CURVE



■ C0-C180 ■ C90-C270 cd/100lm





## HIGH BAY

### Round HP 168 W



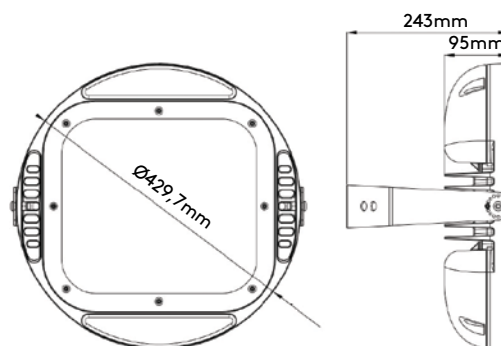
#### Optical And Electrical

Power	168 W
Colour Temperature	4000 K
Lumen Output	21.000 lm
Efficacy	125 lm/W
CRI	>80
Beam Angle	55°/85°/105°/110°
Dimming	Optional
Emergency Kit	N/A
Life Time	200.000 Hours
Ip Rating	IP65

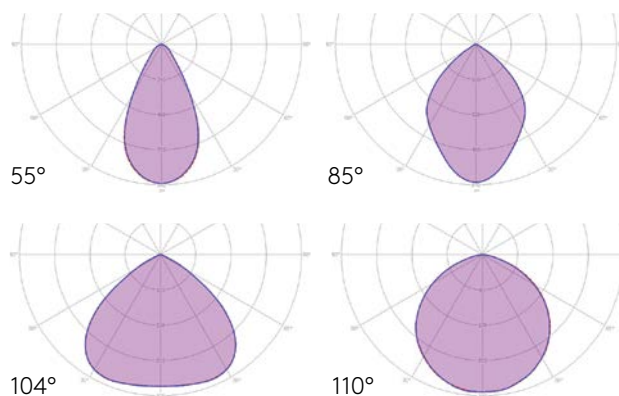
#### Mechanical

Operating Temperature	-40°C – +40°C
Dimensions (LxWxH)	Ø429,7 x 95/243 mm
Product Weight	12,06 kg
Mounting Options	U-bracket, Pendant

#### DIMENSIONS



#### LIGHT CURVE



■ C0 - C180 ■ C90 - C270 cd/100lm





## HIGH BAY

### Round MP 104 W



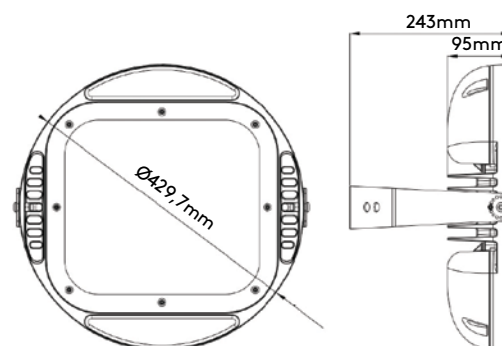
#### Optical And Electrical

Power	104 W
Colour Temperature	4000 K
Lumen Output	15.300 lm
Efficacy	147 lm/W
CRI	>80
Beam Angle	30° / 60° / 90° / 120° / OVAL
Dimming	Optional
Emergency Kit	N/A
Life Time	100.000 Hours
Ip Rating	IP66

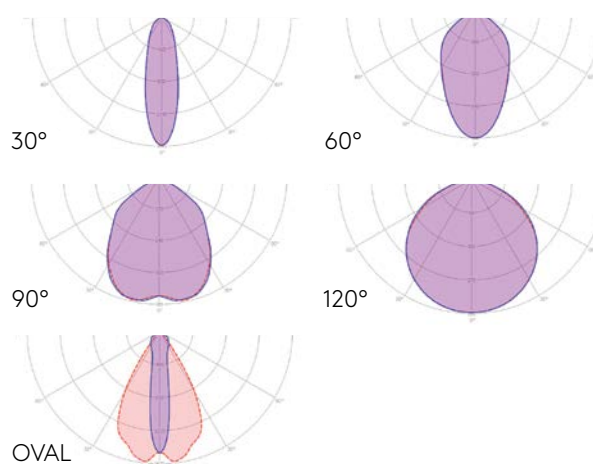
#### Mechanical

Operating Temperature	0°C – +40°C
Dimensions (LxWxH)	Ø429,7 x 95/243 mm
Product Weight	12,06 kg
Mounting Options	U-bracket, Pendant

#### DIMENSIONS



#### LIGHT CURVE



■ C0-C180 ■ C90-C270 cd/100lm



## HIGH BAY

### Round MP 132 W



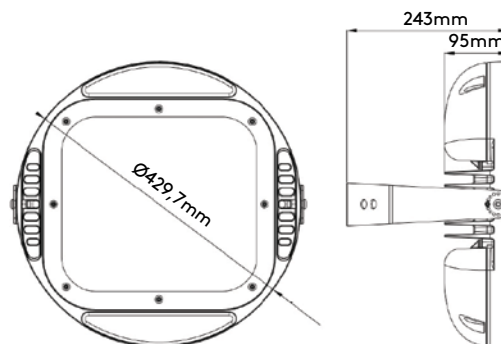
#### Optical And Electrical

Power	132 W
Colour Temperature	4000 K
Lumen Output	19.000 lm
Efficacy	144 lm/W
CRI	>80
Beam Angle	30° / 60° / 90° / 120° / OVAL
Dimming	Optional
Emergency Kit	N/A
Life Time	100.000 Hours
Ip Rating	IP66

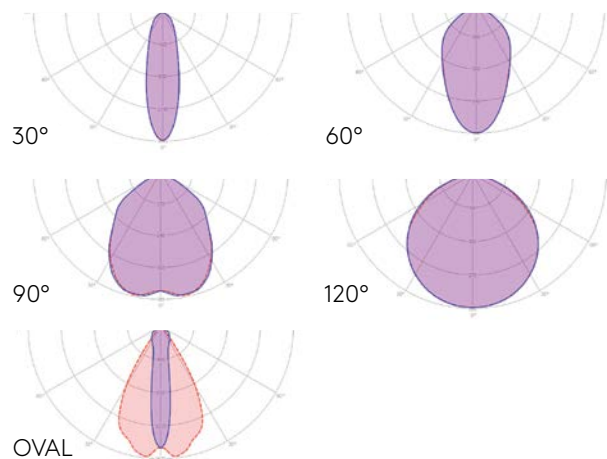
#### Mechanical

Operating Temperature	0°C – +40°C
Dimensions (LxWxH)	Ø429,7 x 95/243 mm
Product Weight	12,06 kg
Mounting Options	U-bracket, Pendant

#### DIMENSIONS



#### LIGHT CURVE



■ C0 - C180 ■ C90 - C270 cd/100lm





## HIGH BAY UFO 75 W



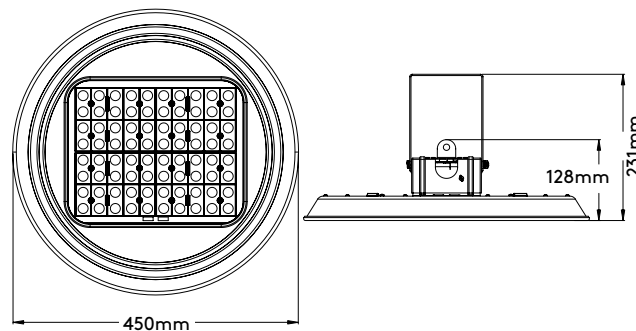
### Optical And Electrical

Power	75 W
Colour Temperature	4000 K
Lumen Output	9.000 lm
Efficacy	120 lm/W
CRI	>80
Beam Angle	70° / 100°
Dimming	Optional
Emergency Kit	N/A
Life Time	50.000 Hours
Ip Rating	IP66

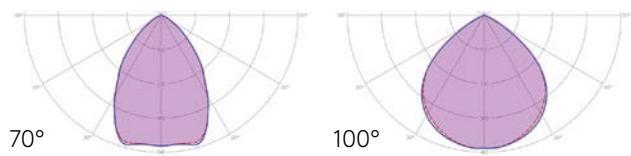
### Mechanical

Operating Temperature	0°C – +40°C
Dimensions (LxWxH)	Ø450 x Ø450 x 128 mm
Product Weight	4,2 kg
Mounting Options	U-bracket, Pendant

### DIMENSIONS



### LIGHT CURVE



■ C0-C180 ■ C90-C270 cd/100lm





## HIGH BAY UFO 102 W



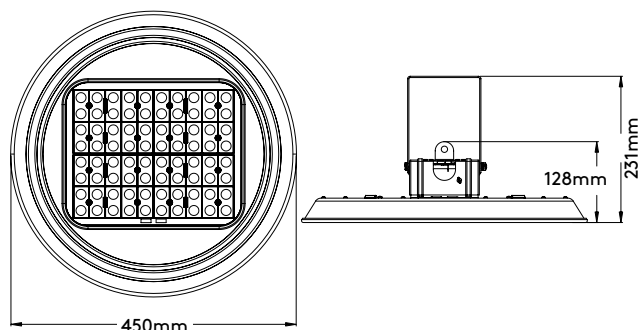
### Optical And Electrical

Power	102 W
Colour Temperature	4000 K
Lumen Output	13.500 lm
Efficacy	133 lm/W
CRI	>80
Beam Angle	70° / 100°
Dimming	Optional
Emergency Kit	N/A
Life Time	50.000 Hours
Ip Rating	IP66

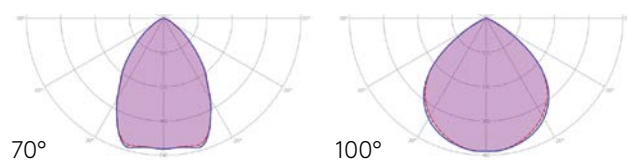
### Mechanical

Operating Temperature	-0°C – +40°C
Dimensions (LxWxH)	Ø450 x Ø450 x 128 mm
Product Weight	4,2 kg
Mounting Options	U-bracket, Pendant

### DIMENSIONS



### LIGHT CURVE



■ C0 - C180 ■ C90 - C270 cd/100lm





## HIGH BAY UFO 150 W



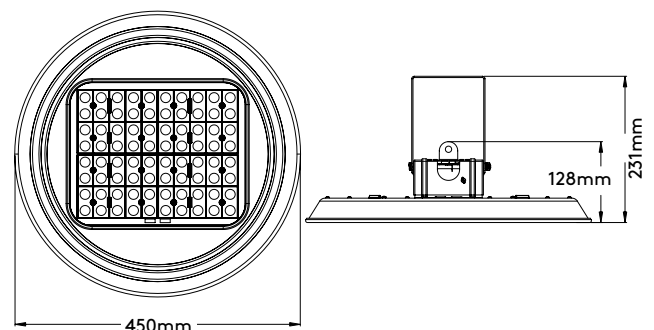
### Optical And Electrical

Power	150 W
Colour Temperature	4000 K
Lumen Output	20.000 lm
Efficacy	133 lm/W
CRI	>80
Beam Angle	70° / 100°
Dimming	Optional
Emergency Kit	N/A
Life Time	100.000 Hours
Ip Rating	IP66

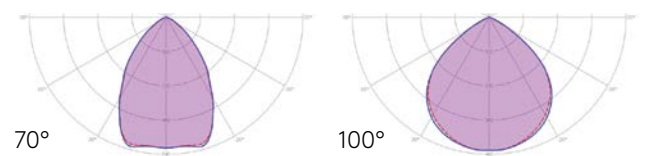
### Mechanical

Operating Temperature	-0°C – +40°C
Dimensions (LxWxH)	Ø450 x Ø450 x 128 mm
Product Weight	4,2 kg
Mounting Options	U-bracket, Pendant

### DIMENSIONS



### LIGHT CURVE



■ C0-C180 ■ C90-C270 cd/100lm



## MID BAY

65 W



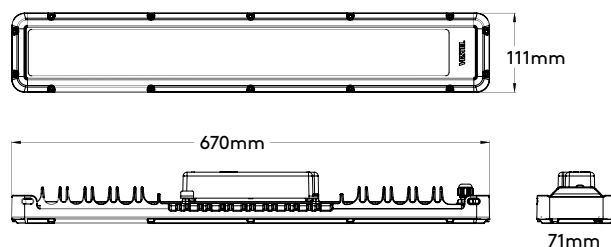
### Optical And Electrical

<b>Power</b>	65 W		
<b>Colour Temperature</b>	4000 K	5000 K	6500 K
<b>Lumen Output</b>	8000 lm		
<b>Efficacy</b>	123 lm/W		
<b>CRI</b>	>70 (>80 Optional)		
<b>Beam Angle</b>	65°/78°/95°/110°/asym		
<b>Dimming</b>	Optional		
<b>Emergency Kit</b>	N/A		
<b>Life Time</b>	100.000 Hours		
<b>Ip Rating</b>	IP65		

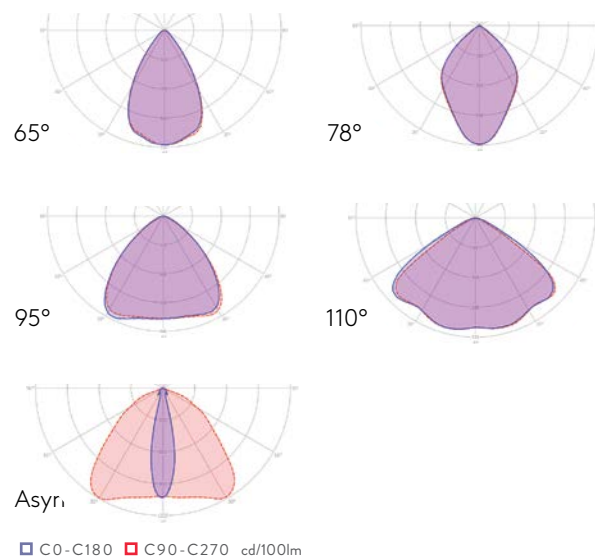
### Mechanical

<b>Operating Temperature</b>	-40°C – +40°C
<b>Dimensions (LxWxH)</b>	670 x 111 x 71 mm
<b>Product Weight</b>	4,25 kg
<b>Mounting Options</b>	Z-Bracket, Pendant

### DIMENSIONS



### LIGHT CURVE







## BATTEN

Weather Proof 90 cm 16 W



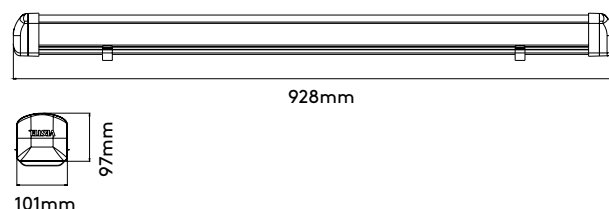
### Optical And Electrical

Power	16 W
Colour Temperature	4000 K
Lumen Output	2200 lm
Efficacy	137 lm/W
CRI	>80
Beam Angle	100°
Dimming	Optional
Emergency Kit	Optional
Life Time	90.000 Hours
Ip Rating	IP65

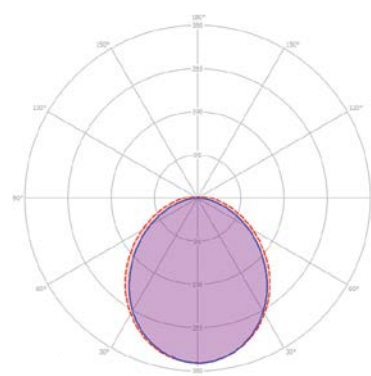
### Mechanical

Operating Temperature	-40°C – +40°C
Dimensions (LxWxH)	928 x 101 x 97 mm
Product Weight	3 kg
Mounting Options	Surface Mounted

### DIMENSIONS



### LIGHT CURVE



■ C0-C180 ■ C90-C270 cd/100lm



## BATTEN

### Weather Proof 120 cm 23 W



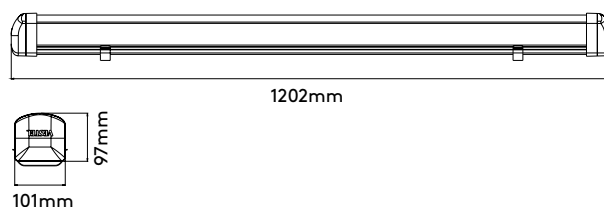
#### Optical And Electrical

Power	23 W
Colour Temperature	4000 K
Lumen Output	3100 lm
Efficacy	135 lm/W
CRI	>80
Beam Angle	100°
Dimming	Optional
Emergency Kit	Optional
Life Time	90.000 Hours
Ip Rating	IP65

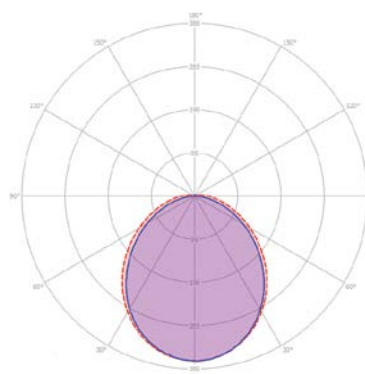
#### Mechanical

Operating Temperature	-40°C – +40°C
Dimensions (LxWxH)	1202 x 101 x 97 mm
Product Weight	3,8 kg
Mounting Options	Surface Mounted

#### DIMENSIONS



#### LIGHT CURVE



■ C0-C180 ■ C90-C270 cd/100lm





## BATTEN

**Weather Proof** 120 cm 33 W



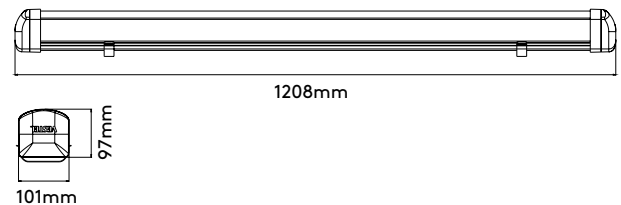
### Optical And Electrical

Power	33 W
Colour Temperature	4000 K
Lumen Output	4300 lm
Efficacy	130 lm/W
CRI	>80
Beam Angle	100°
Dimming	Optional
Emergency Kit	Optional
Life Time	90.000 Hours
Ip Rating	IP65

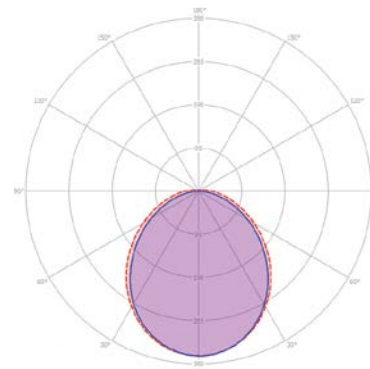
### Mechanical

Operating Temperature	-40°C – +40°C
Dimensions (LxWxH)	1202 x 101 x 97 mm
Product Weight	3,8 kg
Mounting Options	Surface Mounted

### DIMENSIONS



### LIGHT CURVE



■ C0-C180 ■ C90-C270 cd/100lm



## BATTEN

### Weather Proof 150 cm 29 W



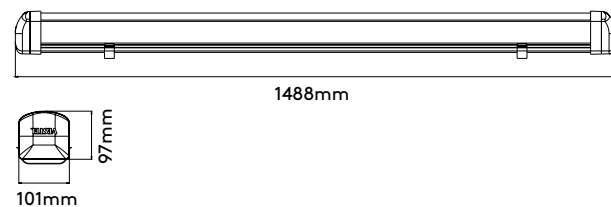
#### Optical And Electrical

Power	29 W
Colour Temperature	4000 K
Lumen Output	3850 lm
Efficacy	133 lm/W
CRI	>80
Beam Angle	100°
Dimming	Optional
Emergency Kit	Optional
Life Time	90.000 Hours
Ip Rating	IP65

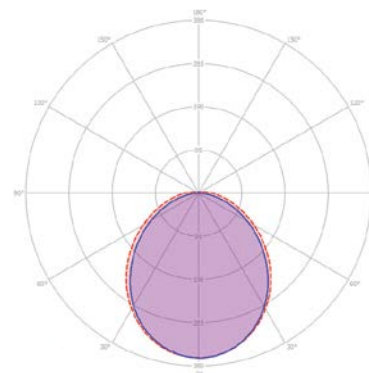
#### Mechanical

Operating Temperature	-40°C – +40°C
Dimensions (LxWxH)	1488 x 101 x 97 mm
Product Weight	4,5 kg
Mounting Options	Surface Mounted

#### DIMENSIONS



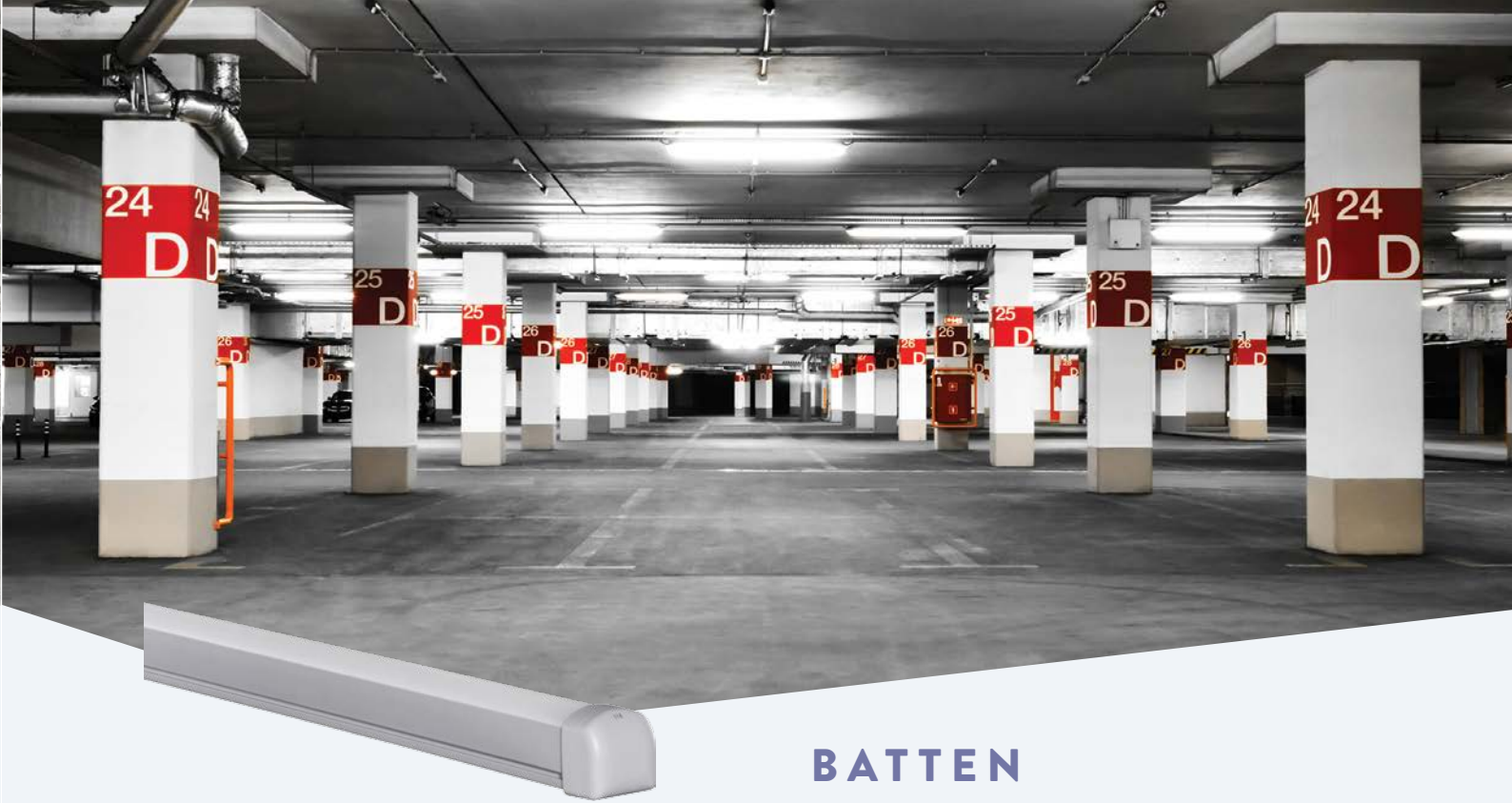
#### LIGHT CURVE



□ C0-C180 □ C90-C270 cd/100lm

\* Dimensions differ based on mounting options.





## BATTEN

**Weather Proof** 150 cm 34 W



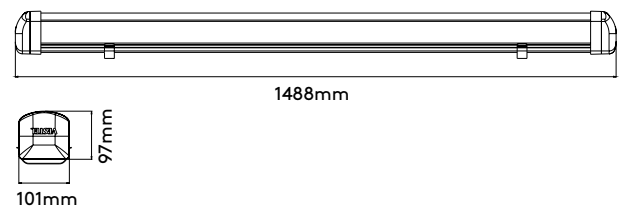
### Optical And Electrical

Power	34 W
Colour Temperature	4000 K
Lumen Output	4500 lm
Efficacy	132 lm/W
CRI	>80
Beam Angle	100°
Dimming	Optional
Emergency Kit	Optional
Life Time	90.000 Hours
Ip Rating	IP65

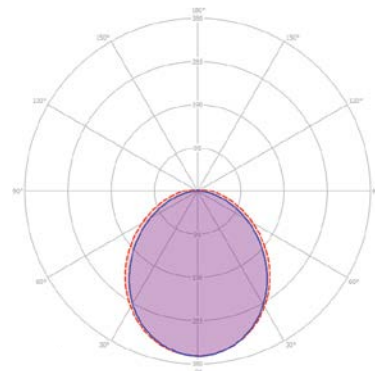
### Mechanical

Operating Temperature	-40°C – +40°C
Dimensions (LxWxH)	1488 x 101 x 97 mm
Product Weight	4,5 kg
Mounting Options	Surface Mounted

### DIMENSIONS



### LIGHT CURVE



□ C0-C180 □ C90-C270 cd/100lm

\* Dimensions differ based on mounting options.



## BATTEN

**Weather Proof** 150 cm 47 W



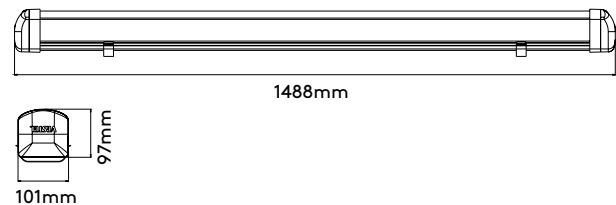
### Optical And Electrical

Power	47 W
Colour Temperature	4000 K
Lumen Output	6300 lm
Efficacy	134 lm/W
CRI	>80
Beam Angle	100°
Dimming	Optional
Emergency Kit	Optional
Life Time	90.000 Hours
Ip Rating	IP65

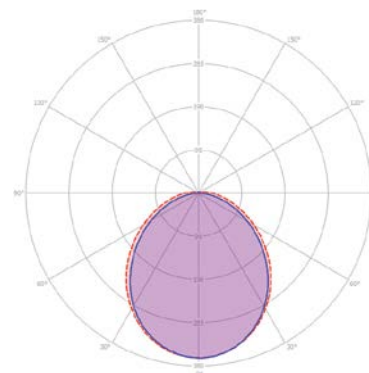
### Mechanical

Operating Temperature	-40°C – +40°C
Dimensions (LxWxH)	1488 x 101 x 97 mm
Product Weight	4,5 kg
Mounting Options	Surface Mounted

### DIMENSIONS



### LIGHT CURVE



□ C0-C180 □ C90-C270 cd/100lm

\* Dimensions differ based on mounting options.





## TRUNK LIGHT

35 W



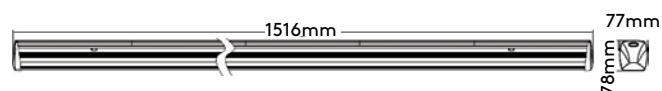
### Optical And Electrical

Power	35 W
Colour Temperature	4000 K
Lumen Output	5.600 lm
Efficacy	160 lm/W
CRI	>80
Beam Angle	25°/60°/90°/DS/RS/Double Arc
Dimming	Optional
Emergency Kit	Optional
Life Time	50.000 Hours
Ip Rating	IP20

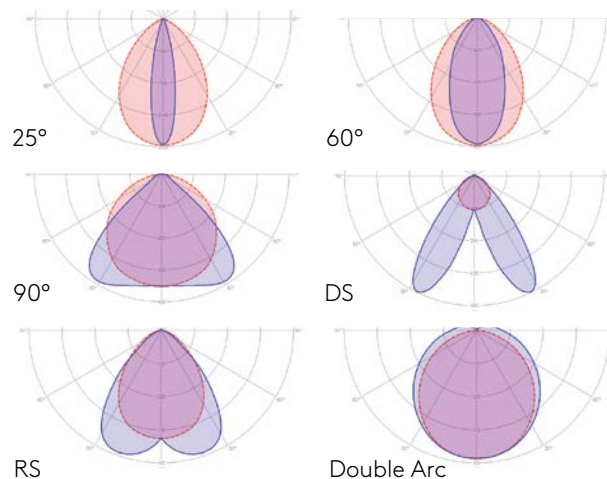
### Mechanical

Operating Temperature	-25°C – +40°C
Dimensions (LxWxH)	1516 x 78 x 77 mm
Product Weight	3,7 kg
Mounting Options	Suspended, Surface mounted

### DIMENSIONS



### LIGHT CURVE



■ C0-C180 ■ C90-C270 cd/100lm



## TRUNK LIGHT

50 W



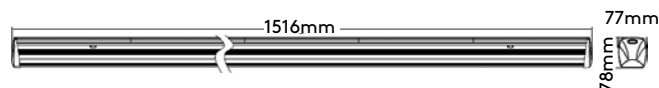
### Optical And Electrical

Power	50 W
Colour Temperature	4000 K
Lumen Output	8.000 lm
Efficacy	160 lm/W
CRI	>80
Beam Angle	25°/60°/90°/DS/RS/Double Arc
Dimming	Optional
Emergency Kit	Optional
Life Time	50.000 Hours
Ip Rating	IP20

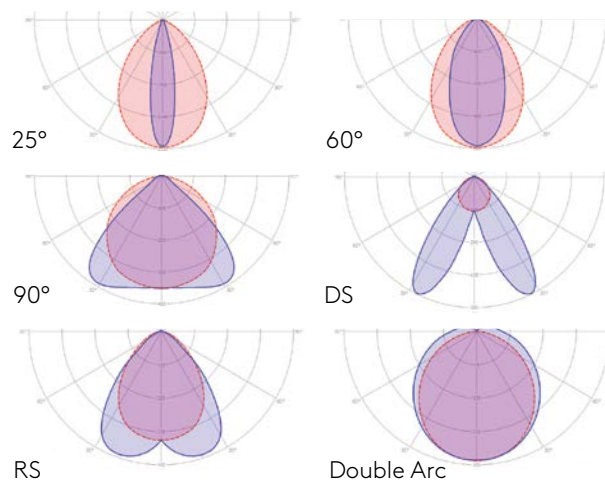
### Mechanical

Operating Temperature	-25°C – +40°C
Dimensions (LxWxH)	1516 x 78 x 77 mm
Product Weight	3,7 kg
Mounting Options	Suspended, Surface mounted

### DIMENSIONS



### LIGHT CURVE



■ C0-C180 ■ C90-C270 cd/100lm





## TRUNK LIGHT

### 70 W



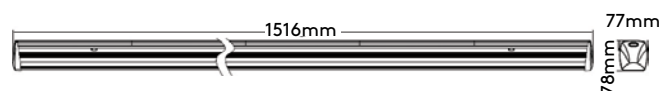
#### Optical And Electrical

Power	70 W
Colour Temperature	4000 K
Lumen Output	11.200 lm
Efficacy	160 lm/W
CRI	>80
Beam Angle	25°/60°/90°/Flood-120°/ Flat-120°/DS/RS/LS
Dimming	Optional
Emergency Kit	Optional
Life Time	50.000 Hours
Ip Rating	IP20

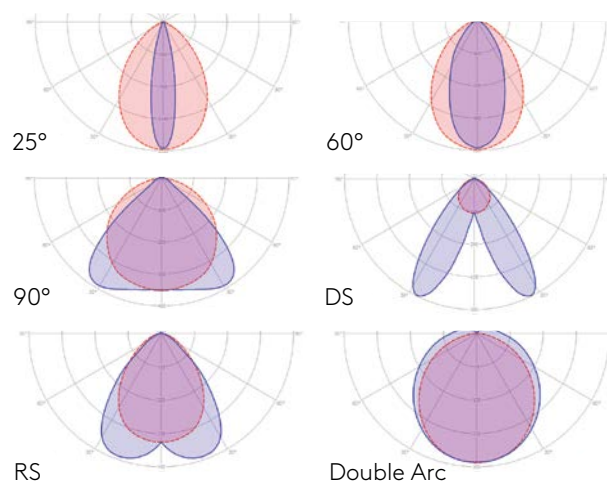
#### Mechanical

Operating Temperature	-25°C – +40°C
Dimensions (LxWxH)	1516 x 78 x 77 mm
Product Weight	3,7 kg
Mounting Options	Suspended, Surface mounted

#### DIMENSIONS



#### LIGHT CURVE



■ C0-C180 ■ C90-C270 cd/100lm



## PANEL LIGHT

60x60 22 W



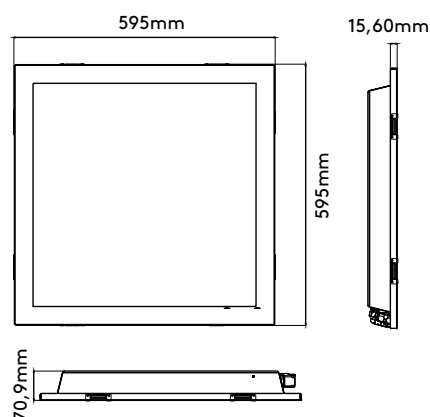
### Optical And Electrical

<b>Power</b>	22 W		
<b>Colour Temperature</b>	3000 K	4000 K	6500 K
<b>Lumen Output</b>	2650 lm		
<b>Efficacy</b>	120 lm/W		
<b>CRI</b>	>80		
<b>Beam Angle</b>	110° *		
<b>Dimming</b>	Optional		
<b>Emergency Kit</b>	Optional		
<b>Life Time</b>	90.000 Hours		
<b>Ip Rating</b>	IP20		

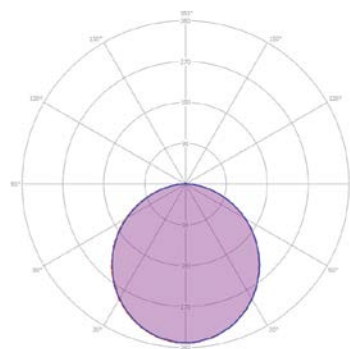
### Mechanical

<b>Operating Temperature</b>	0°C – +40°C
<b>Dimensions (LxWxH)</b>	595 x 595 x 70,9 mm**
<b>Product Weight</b>	2,95 kg
<b>Mounting Options</b>	T-bar, Clip-in, Plaster, SMT

### DIMENSIONS



### LIGHT CURVE



■ C0 - C180 ■ C90 - C270 cd/100lm

\* 80° for prismatic UGR option; 90° for diffused UGR option.

\*\* Dimensions differ based on mounting options.





## PANEL LIGHT

60x60 27 W



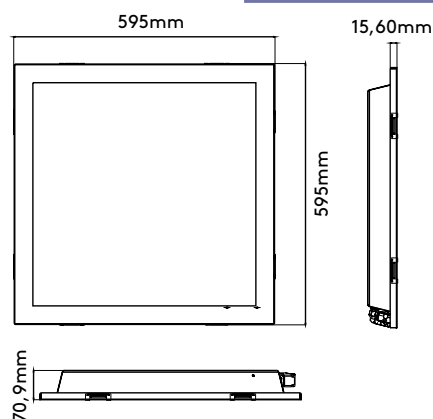
### Optical And Electrical

Power	27 W		
Colour Temperature	3000 K	4000 K	6500 K
Lumen Output	3400 lm		
Efficacy	125 lm/ W		
CRI	>80		
Beam Angle	110° *		
Dimming	Optional		
Emergency Kit	Optional		
Life Time	90.000 Hours		
Ip Rating	IP20		

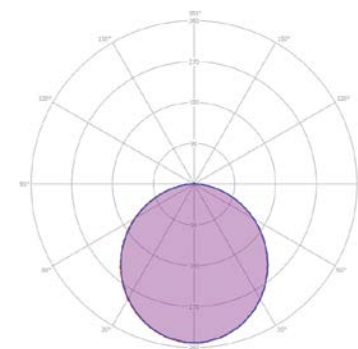
### Mechanical

Operating Temperature	0°C – +40°C		
Dimensions (LxWxH)	595 x 595 x 70,9 mm**		
Product Weight	2,95 kg		
Mounting Options	T-bar, Clip-in, Plaster, SMT		

### DIMENSIONS



### LIGHT CURVE



■ C0-C180 ■ C90-C270 cd/100lm

\* 80° for prismatic UGR option; 90° for diffused UGR option.

\*\* Dimensions differ based on mounting options.



## PANEL LIGHT

60x60 33 W



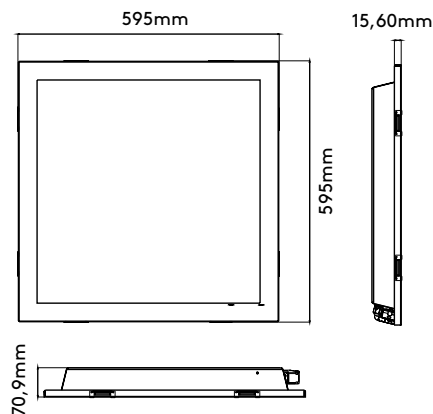
### Optical And Electrical

Power	33 W		
Colour Temperature	3000 K	4000 K	6500 K
Lumen Output	4000 lm	4200 lm	
Efficacy	120 lm/W	127 lm/W	
CRI	>80		
Beam Angle	110° *		
Dimming	Optional		
Emergency Kit	Optional		
Life Time	90.000 Hours		
Ip Rating	IP20		

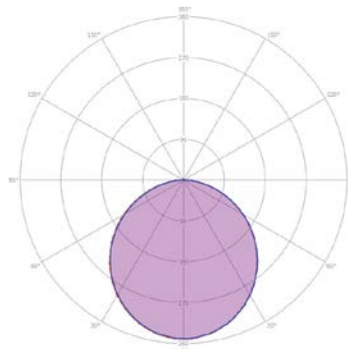
### Mechanical

<b>Operating Temperature</b>	0°C – +40°C
<b>Dimensions (LxWxH)</b>	595 x 595 x 70,9 mm**
<b>Product Weight</b>	2,95 kg
<b>Mounting Options</b>	T-bar, Clip-in, Plaster, SMT

### DIMENSIONS



### LIGHT CURVE



■ C0-C180 ■ C90-C270 cd/100lm

\* 80° for prismatic UGR option; 90° for diffused UGR option.

\*\* Dimensions differ based on mounting options.





## PANEL LIGHT

30x120



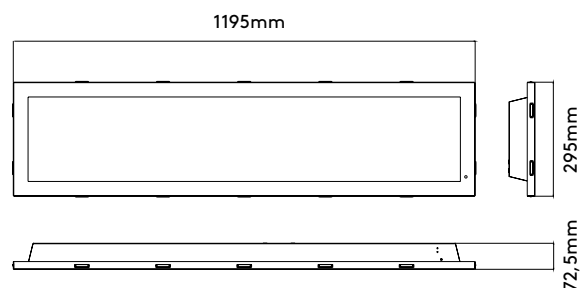
### Optical And Electrical

Power	26 W		
Colour Temperature	3000 K	4000 K	6500 K
Lumen Output	3200 lm		
Efficacy	120 lm/W		
CRI	>80		
Beam Angle	110°		
Dimming	Optional		
Emergency Kit	Optional		
Life Time	50.000 Hours		
Ip Rating	IP20		

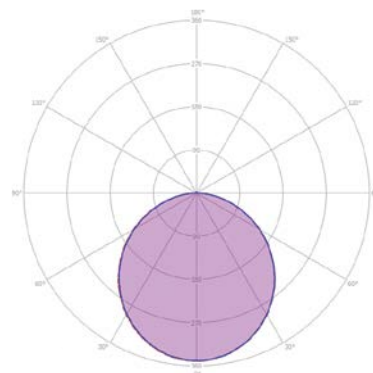
### Mechanical

Operating Temperature	0°C – +40°C		
Dimensions (LxWxH)	1195 x 295 x 72,5 mm*		
Product Weight	5,1 kg		
Mounting Options	T-bar, Clip-in, Plaster		

### DIMENSIONS



### LIGHT CURVE



□ C0-C180 □ C90-C270 cd/100lm

\* Dimensions differ based on mounting options.



## PANEL LIGHT

60x120



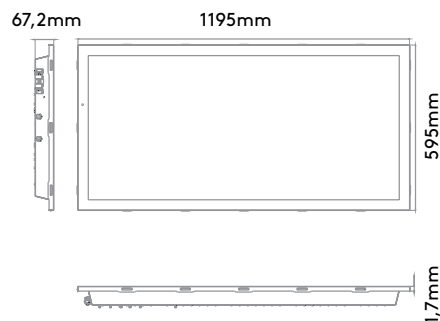
### Optical And Electrical

<b>Power</b>	47 W		
<b>Colour Temperature</b>	3000 K	4000 K	6500 K
<b>Lumen Output</b>	5400 lm		
<b>Efficacy</b>	>80		
<b>CRI</b>	115 lm/W		
<b>Beam Angle</b>	110°		
<b>Dimming</b>	Optional		
<b>Emergency Kit</b>	Optional		
<b>Life Time</b>	50.000 Hours		
<b>Ip Rating</b>	IP20		

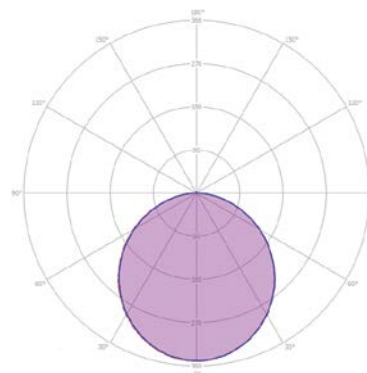
### Mechanical

<b>Operating Temperature</b>	0°C – +40°C
<b>Dimensions (LxWxH)</b>	1195 x 595 x 67,2 mm*
<b>Product Weight</b>	9,5 kg
<b>Mounting Options</b>	T-bar, Clip-in, Plaster

### DIMENSIONS



### LIGHT CURVE



■ C0-C180 ■ C90-C270 cd/100lm

\* Dimensions differ based on mounting options.





## PANEL LIGHT

30x30



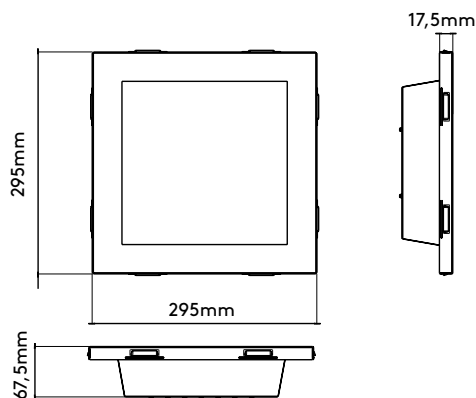
### Optical And Electrical

Power	10 W		
Colour Temperature	3000 K	4000 K	6500 K
Lumen Output	1000 lm		
Efficacy	100 lm/W		
CRI	>80		
Beam Angle	110°		
Dimming	Optional		
Emergency Kit	Optional		
Life Time	50.000 Hours		
Ip Rating	IP20		

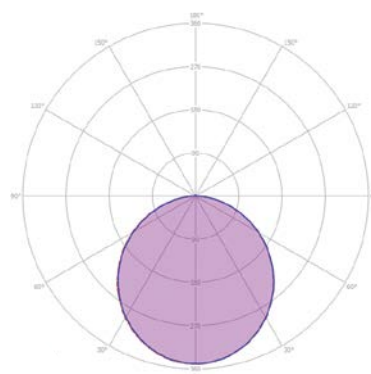
### Mechanical

Operating Temperature	0°C – +40°C		
Dimensions (LxWxH)	295 x 295 x 67,5 mm*		
Product Weight	1,5 kg		
Mounting Options	T-bar, Clip-in, Plaster		

### DIMENSIONS



### LIGHT CURVE



□ C0-C180 □ C90-C270 cd/100lm

\* Dimensions differ based on mounting options.



## DOWNLIGHT

### Aluminium Diffused 6"



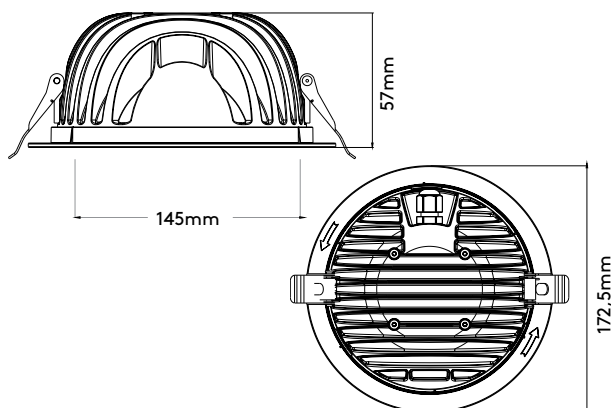
#### Optical And Electrical

Power	13,5 W		
Colour Temperature	3000 K	4000 K	6500 K
Lumen Output	1150 lm	1250 lm	
Efficacy	85 lm/W	93 lm/W	
CRI	>80		
Beam Angle	110°		
Dimming	Optional		
Emergency Kit	Optional		
Life Time	70.000 Hours		
Ip Rating	IP20		

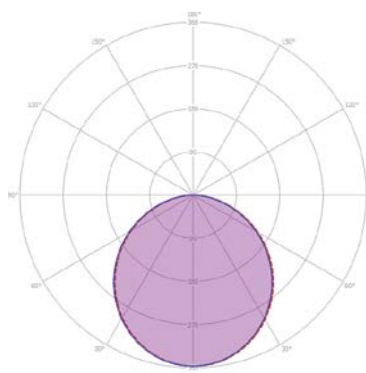
#### Mechanical

<b>Operating Temperature</b>	0°C – +40°C
<b>Dimensions (LxWxH)</b>	Ø172,5 x 57 mm
<b>Product Weight</b>	0,71 kg
<b>Mounting Options</b>	Recessed

#### DIMENSIONS



#### LIGHT CURVE



□ C0 - C180    □ C90 - C270    cd/100lm





## DOWNLIGHT

### Aluminium Diffused 8"



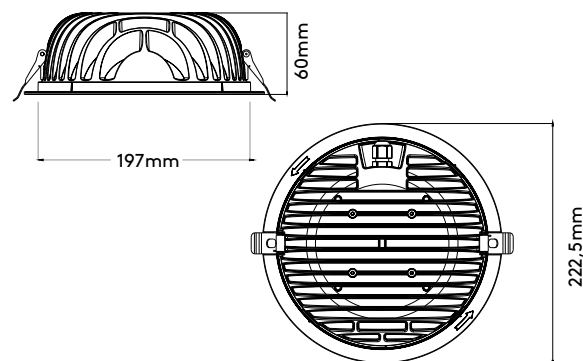
#### Optical And Electrical

Power	19 W		
Colour Temperature	3000 K	4000 K	6500 K
Lumen Output	1800 lm	1900 lm	
Efficacy	95 lm/W	100 lm/W	
CRI	>80		
Beam Angle	110°		
Dimming	Optional		
Emergency Kit	Optional		
Life Time	70.000 Hours		
Ip Rating	IP20		

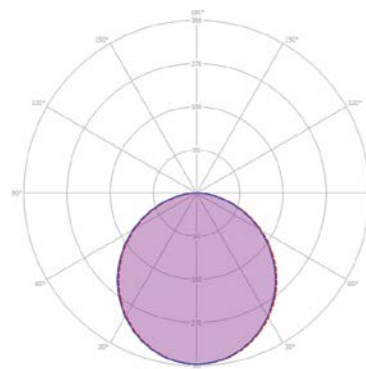
#### Mechanical

<b>Operating Temperature</b>	0°C – +40°C
<b>Dimensions (LxWxH)</b>	Ø222,5 x 60 mm
<b>Product Weight</b>	1,1 kg
<b>Mounting Options</b>	Recessed

#### DIMENSIONS



#### LIGHT CURVE



■ C0-C180 ■ C90-C270 cd/100lm



## DOWNLIGHT

### Wall Light 6"



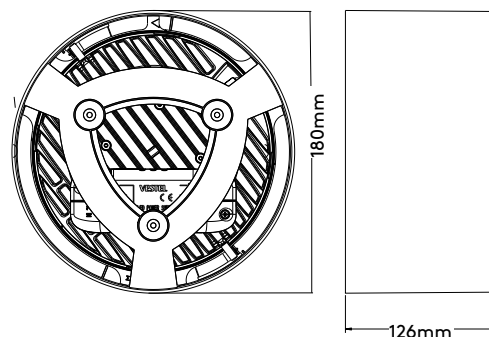
#### Optical And Electrical

Power	13,5 W		
Colour Temperature	3000 K	4000 K	6500 K
Lumen Output	1150 lm	1250 lm	
Efficacy	85 lm/W	93 lm/W	
CRI	>80		
Beam Angle	110°		
Dimming	Optional		
Emergency Kit	Optional		
Life Time	70.000 Hours		
Ip Rating	IP20		

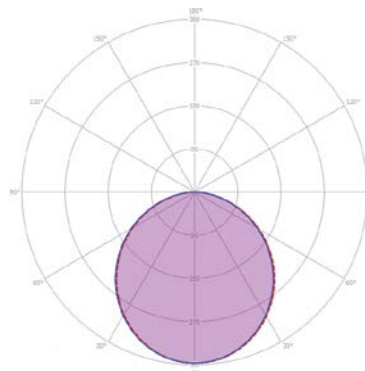
#### Mechanical

<b>Operating Temperature</b>	0°C – +40°C
<b>Dimensions (LxWxH)</b>	Ø180 x 126 mm
<b>Product Weight</b>	0,8 kg
<b>Mounting Options</b>	Surface Mounted

#### DIMENSIONS



#### LIGHT CURVE



■ C0 - C180 ■ C90 - C270 cd/100lm





## DOWNLIGHT

### Wall Light 8"



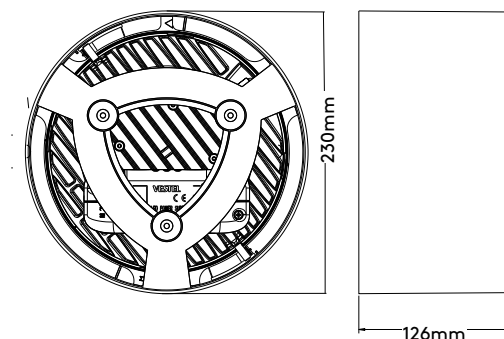
#### Optical And Electrical

Power	19 W		
Colour Temperature	3000 K	4000 K	6500 K
Lumen Output	1800 lm	1900 lm	
Efficacy	95 lm/W	100 lm/W	
CRI	>80		
Beam Angle	110°		
Dimming	Optional		
Emergency Kit	Optional		
Life Time	70.000 Hours		
Ip Rating	IP20		

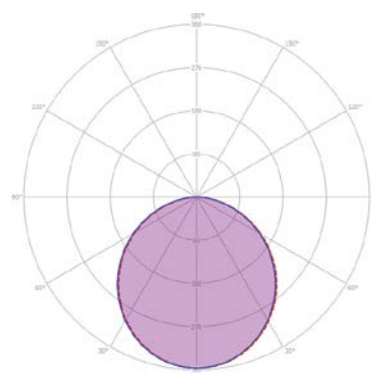
#### Mechanical

Operating Temperature	0°C – +40°C
Dimensions (LxWxH)	Ø230 x 126 mm
Product Weight	1,2 kg
Mounting Options	Surface Mounted

#### DIMENSIONS



#### LIGHT CURVE



■ C0-C180 ■ C90-C270 cd/100lm



## TRACKLIGHT V6 12 W

IEC/EN  
60598  
✓

IEC/EN  
55015  
61547  
✓

CE

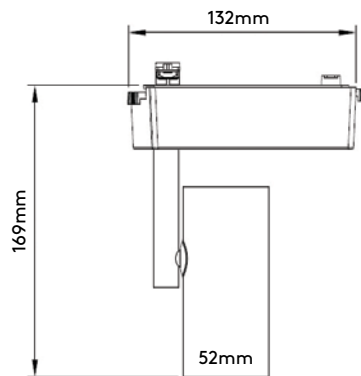
### Optical And Electrical

Power	12 W		
Colour Temperature	2700 K	3000 K	4000 K
Lumen Output	1000 lm		
Efficacy	85 lm/W		
CRI	>80 (>90 Optional)		
Beam Angle	15°/24°/36°		
Dimming	Optional		
Emergency Kit	N/A		
Life Time	30.000 Hours		
Ip Rating	IP20		

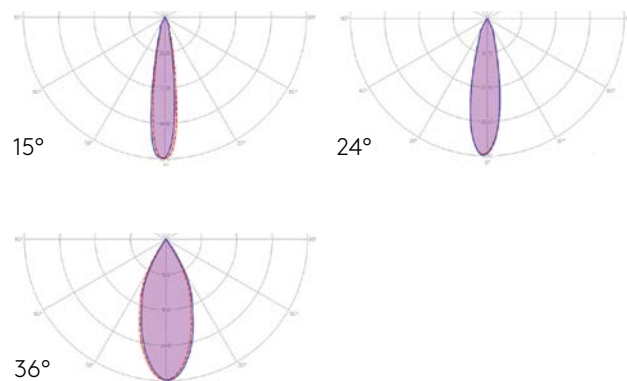
### Mechanical

Operating Temperature	0°C – +40°C
Dimensions (LxWxH)	132 x 52 x 169 mm
Product Weight	0,3 kg
Mounting Options	Track Mounted

### DIMENSIONS



### LIGHT CURVE



■ C0 - C180 ■ C90 - C270 cd/100lm





## TRACKLIGHT V6 18 W



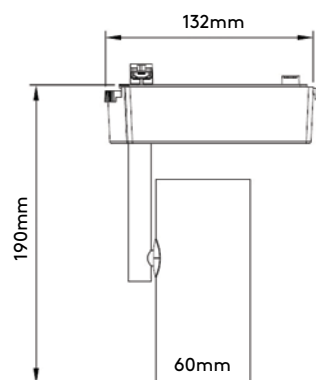
### Optical And Electrical

Power	18 W		
Colour Temperature	2700 K	3000 K	4000 K
Lumen Output	1600 lm		
Efficacy	85 lm/W		
CRI	>80 (>90 Optional)		
Beam Angle	15°/24°/36°		
Dimming	Optional		
Emergency Kit	N/A		
Life Time	30.000 Hours		
Ip Rating	IP20		

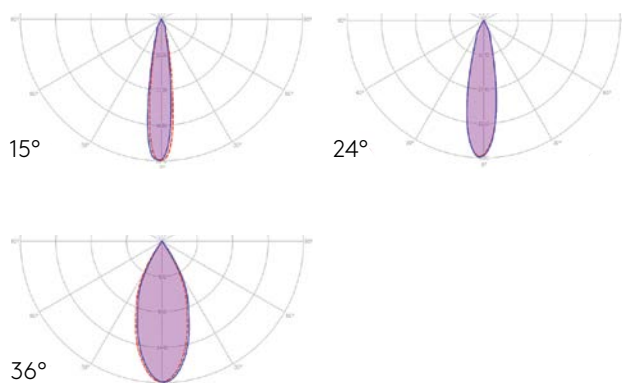
### Mechanical

Operating Temperature	0°C – +40°C
Dimensions (LxWxH)	132 x 60 x 190
Product Weight	0,4 kg
Mounting Options	Track Mounted

### DIMENSIONS



### LIGHT CURVE



■ C0-C180 ■ C90-C270 cd/100lm



## TRACKLIGHT V6 25 W



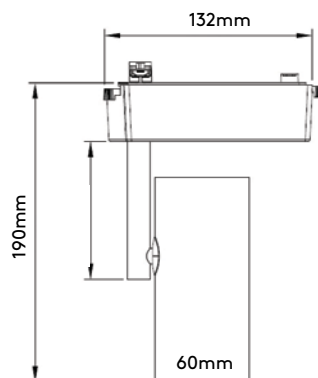
### Optical And Electrical

Power	25 W		
Colour Temperature	2700 K	3000 K	4000 K
Lumen Output	2100 lm		
Efficacy	85 lm/W		
CRI	>80 (>90 Optional)		
Beam Angle	15°/24°/36°		
Dimming	Optional		
Emergency Kit	N/A		
Life Time	30.000 Hours		
Ip Rating	IP20		

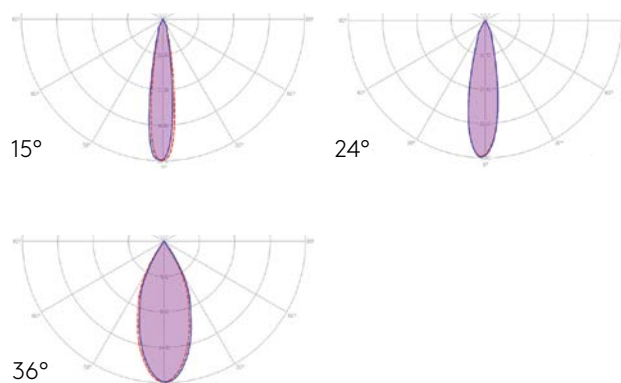
### Mechanical

Operating Temperature	0°C – +40°C
Dimensions (LxWxH)	132 x 60 x 190 mm
Product Weight	0,4 kg
Mounting Options	Track Mounted

### DIMENSIONS



### LIGHT CURVE



■ C0 - C180 ■ C90 - C270 cd/100lm





## TRACKLIGHT V6 35 W



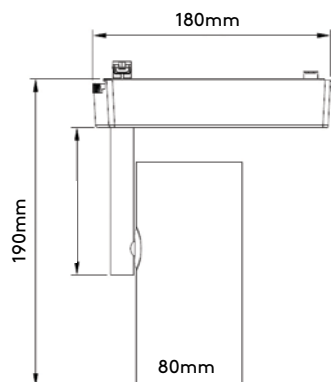
### Optical And Electrical

Power	35 W		
Colour Temperature	2700 K	3000 K	4000 K
Lumen Output	2850 lm		
Efficacy	85 lm/W		
CRI	>80 (>90 Optional)		
Beam Angle	15°/24°/36°		
Dimming	Optional		
Emergency Kit	N/A		
Life Time	30.000 Hours		
Ip Rating	IP20		

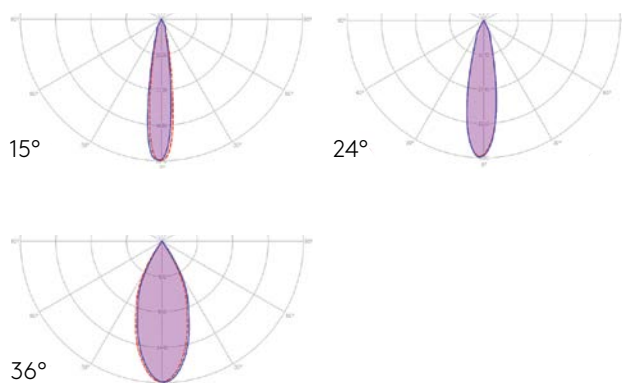
### Mechanical

Operating Temperature	0°C – +40°C
Dimensions (LxWxH)	180 x 80 x 233 mm
Product Weight	0,77 kg
Mounting Options	Track Mounted

### DIMENSIONS



### LIGHT CURVE



■ C0-C180 ■ C90-C270 cd/100lm



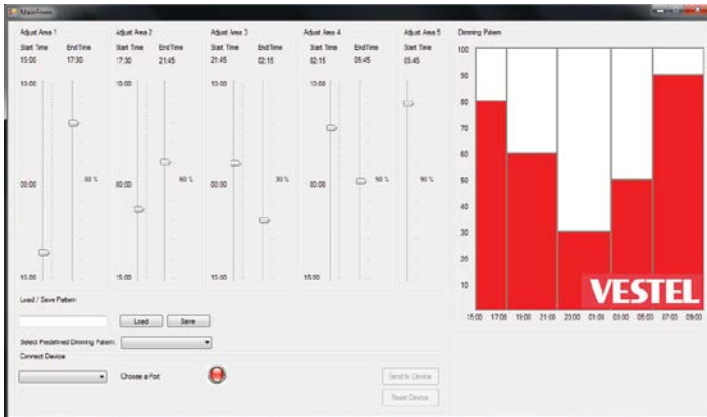


OUTDOOR LIGHTING



# STREET LIGHT

## SMART LIGHTING

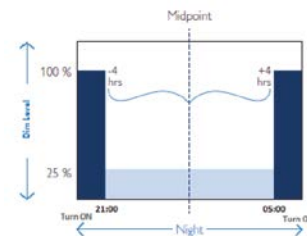


### 1. Autodimmer

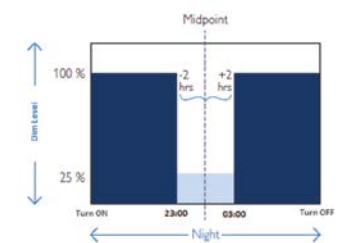
AutoDimmer is an external, stand alone dimming control device developed by Vestel that enables a simple, automatic dimming. AutoDimmer reduces the power consumption of outdoor LED luminaires in a variety of preset or custom scenarios. This stand-alone solution allows owners to operate a greener business, and ultimately save energy and costs while creating an inviting nighttime environment.

The self-updating Vestel's embedded firmware determines the night real time without an internal real time clock. This means no battery inside, therefore no field maintenance. Just turning the lighting fixture ON/OFF, the custom light profile shape will be self synchronized to the real time zone, without any clock setting in the installation area. Our pre-programmed dimming profiles automatically take into account seasonal changes based on geographical locations by continuously monitoring the working day's midpoint. All profiles can be adjusted in the field for additional adaptability.

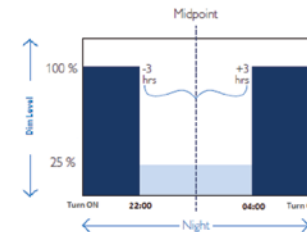
#### SAFE 50 MODE



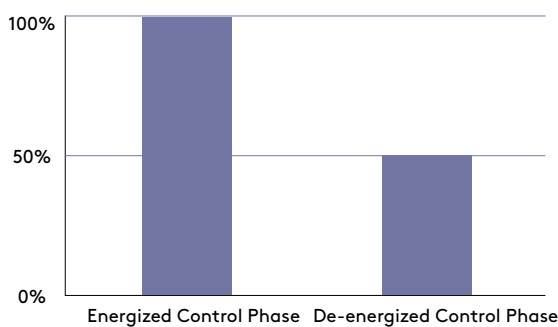
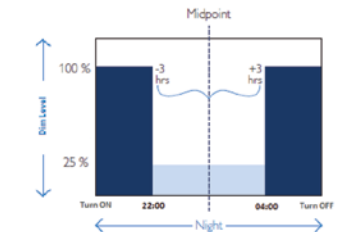
#### SAFE 75 MODE



#### BALANCE 25 MODE

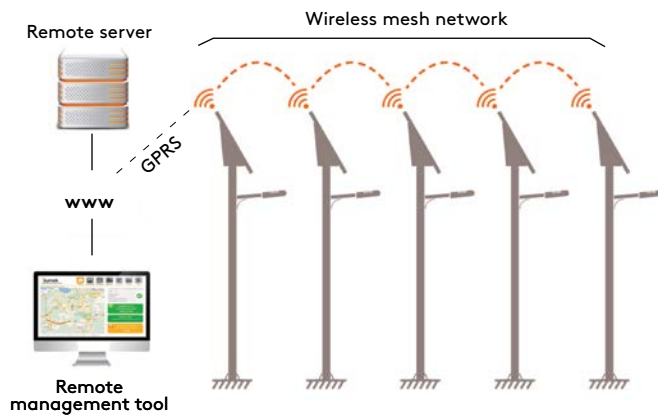


#### ECO MODE



### 2. Half night switch (hns)

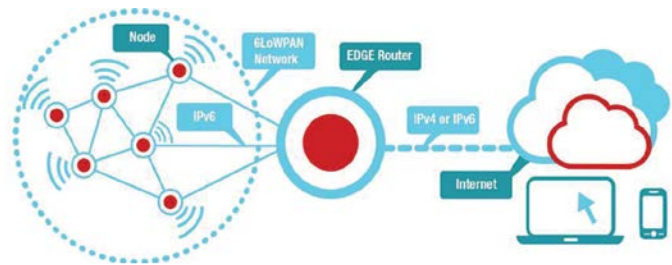
HNS is a phase controlled dimming system that enables owners energy-saving. HNS control unit allows bi-level control of driving current of LEDs in luminaire. Current level of LEDs in luminaire is controlled by second phase that will be connected to control device. When the control phase is energized, the LED current is at 100% level and when the control phase is de-energized, the LED current decreases to 50% level (or another level requested).



### 3. Wireless (Wi-Fi) systems

With the help of wireless mesh network topology, you can control and maintain streetlights in far distances. By using sub 1Ghz low frequency band, you can achieve longer distances

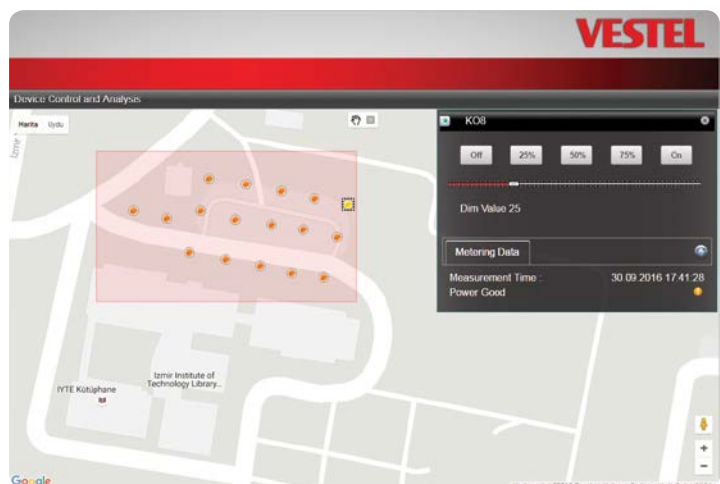
Vestel Smart Street Lights are using IP based mesh network for easy control and maintain. By 6-LoWPan technology, you can achieve up to 10km by transferring data in 250kbit/s bandwidth



### 4. Vestel smart street software

Vestel provides easy to use software solution based on mapping system to control and maintain street lights. Control panel allows you to manage, get reports and get logs of the street lights for maintenance. You can significantly reduce your labor cost with Vestel Smart Street Software

With the help of Vestel Smart Street Software, you can dim street lights remotely to increase energy saving and reduce ROI.







## STREET LIGHT

### Ephesus M2S 165



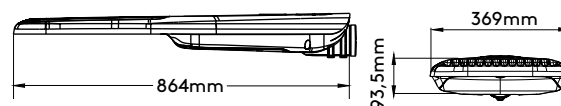
#### Optical And Electrical

Power	165 W
Colour Temperature	4000 K
Lumen Output	19.000 lm
Efficacy	115 lm/W
CRI	>70
Beam Angle	Asymmetric
Dimming	Optional
Emergency Kit	N/A
Life Time	100.000 Hours
Ip Rating	IP66

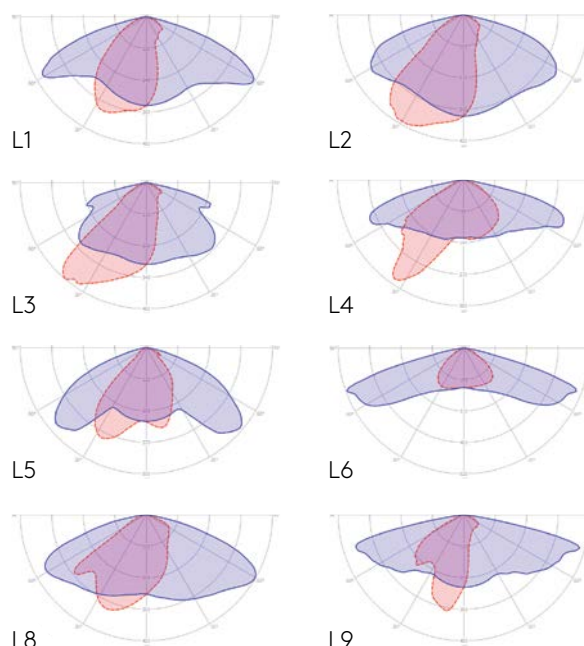
#### Mechanical

Operating Temperature	-40 °C – +50 °C
Dimensions (LxWxH)	864 x 369 x 93,5 mm
Product Weight	12,5 kg
Mounting Options	Post-top Pole, Side-entry Console

#### DIMENSIONS



#### LIGHT CURVE



■ C0-C180 ■ C90-C270 cd/100lm



## STREET LIGHT

### Ephesus M2S 147



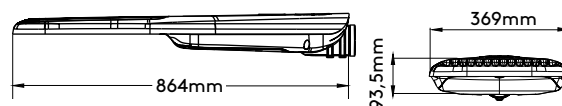
#### Optical And Electrical

Power	147 W
Colour Temperature	4000 K
Lumen Output	17.000 lm
Efficacy	115 lm/W
CRI	>70
Beam Angle	Asymmetric
Dimming	Optional
Emergency Kit	N/A
Life Time	100.000 Hours
Ip Rating	IP66

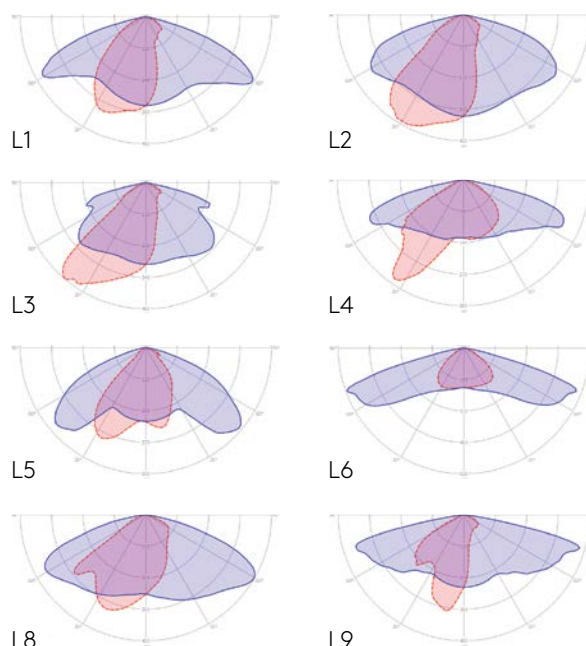
#### Mechanical

Operating Temperature	-40 °C – +50 °C
Dimensions (LxWxH)	864 x 369 x 93,5 mm
Product Weight	12,5 kg
Mounting Options	Post-top Pole, Side-entry Console

#### DIMENSIONS



#### LIGHT CURVE



■ C0 - C180 ■ C90 - C270 cd/100lm





## STREET LIGHT

### Ephesus M2S 128



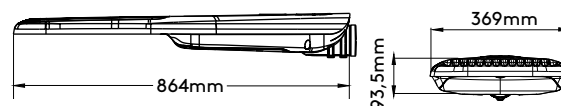
#### Optical And Electrical

Power	128 W
Colour Temperature	4000 K
Lumen Output	14.800 lm
Efficacy	115 lm/W
CRI	>70
Beam Angle	Asymmetric
Dimming	Optional
Emergency Kit	N/A
Life Time	100.000 Hours
Ip Rating	IP66

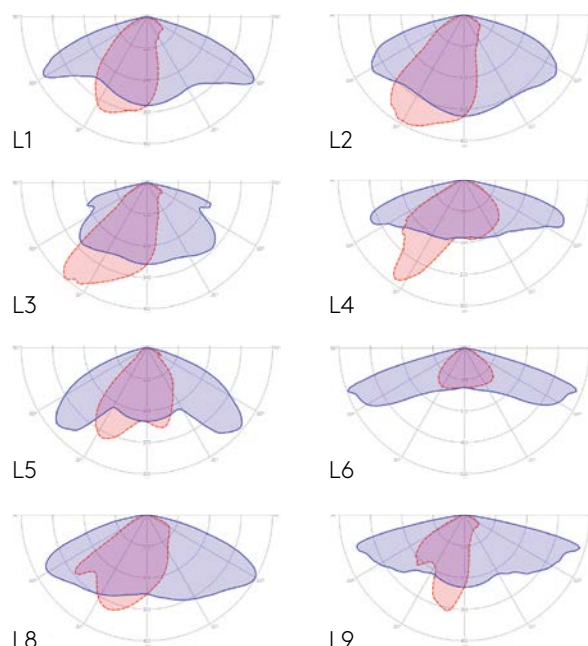
#### Mechanical

Operating Temperature	-40 °C – +50 °C
Dimensions (LxWxH)	864 x 369 x 93,5 mm
Product Weight	12,5 kg
Mounting Options	Post-top Pole, Side-entry Console

#### DIMENSIONS



#### LIGHT CURVE



■ C0-C180 ■ C90-C270 cd/100lm



## STREET LIGHT

### Ephesus M3S 108



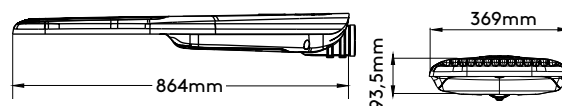
#### Optical And Electrical

Power	108 W
Colour Temperature	4000 K
Lumen Output	12.400 lm
Efficacy	115 lm/W
CRI	>70
Beam Angle	Asymmetric
Dimming	Optional
Emergency Kit	N/A
Life Time	100.000 Hours
Ip Rating	IP66

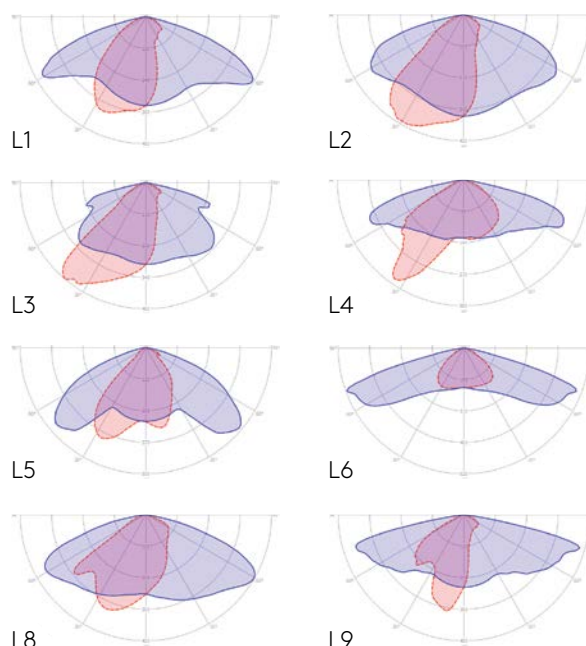
#### Mechanical

Operating Temperature	-40 °C – +50 °C
Dimensions (LxWxH)	864 x 369 x 93,5 mm
Product Weight	12,5 kg
Mounting Options	Post-top Pole, Side-entry Console

#### DIMENSIONS



#### LIGHT CURVE



■ C0 - C180 ■ C90 - C270 cd/100lm





## STREET LIGHT

### Ephesus M3S 90



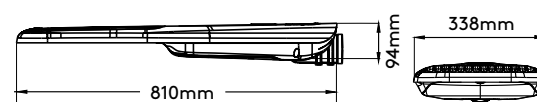
#### Optical And Electrical

Power	90 W
Colour Temperature	4000 K
Lumen Output	10.400 lm
Efficacy	115 lm/W
CRI	>70
Beam Angle	Asymmetric
Dimming	Optional
Emergency Kit	N/A
Life Time	100.000 Hours
Ip Rating	IP66

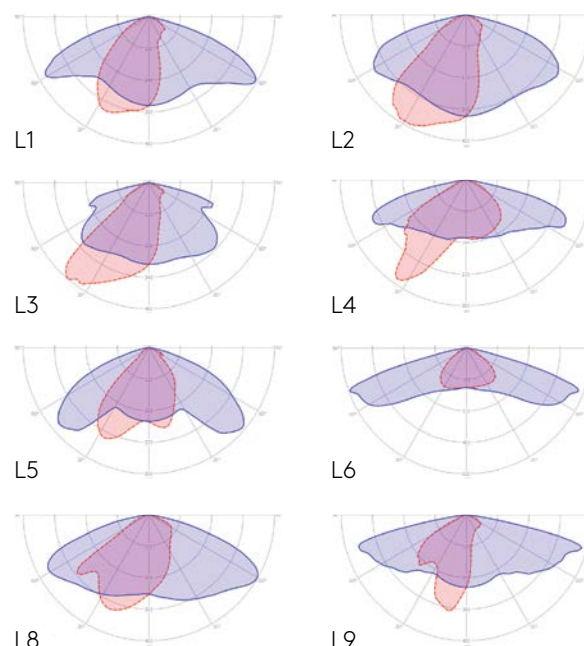
#### Mechanical

Operating Temperature	-40 °C – +50 °C
Dimensions (LxWxH)	810 x 338 x 94 mm
Product Weight	12 kg
Mounting Options	Post-top Pole, Side-entry Console

#### DIMENSIONS



#### LIGHT CURVE



■ C0-C180 ■ C90-C270 cd/100lm



## STREET LIGHT

### Ephesus M4S 68



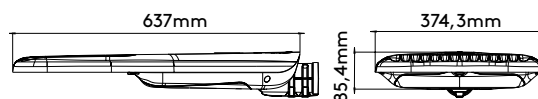
#### Optical And Electrical

Power	68 W
Colour Temperature	4000 K
Lumen Output	7800 lm
Efficacy	115 lm/W
CRI	>70
Beam Angle	Asymmetric
Dimming	Optional
Emergency Kit	N/A
Life Time	100.000 Hours
Ip Rating	IP66

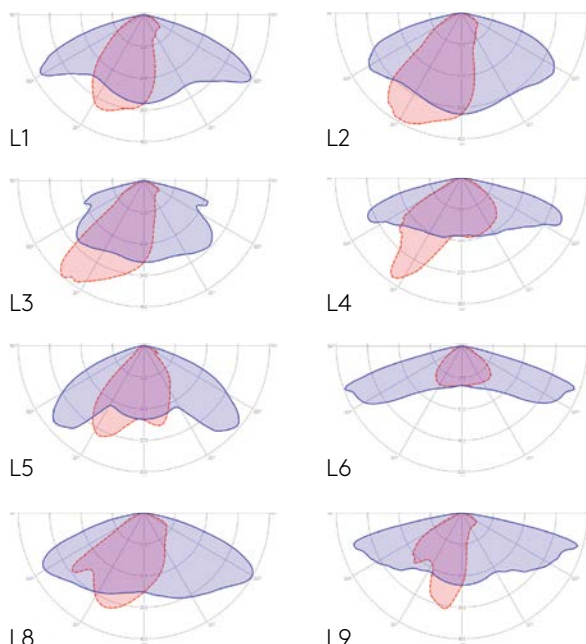
#### Mechanical

Operating Temperature	-40 °C – +50 °C
Dimensions (LxWxH)	637 x 374,3 x 85,4 mm
Product Weight	9,5 kg
Mounting Options	Post-top Pole, Side-entry Console

#### DIMENSIONS



#### LIGHT CURVE



■ C0-C180 ■ C90-C270 cd/100lm





## STREET LIGHT

### Ephesus M4H 48



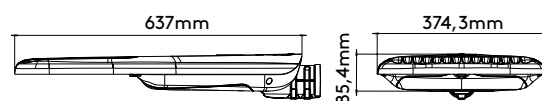
#### Optical And Electrical

Power	48 W
Colour Temperature	4000 K
Lumen Output	6850 lm
Efficacy	143 lm/W
CRI	>70
Beam Angle	Asymmetric
Dimming	Optional
Emergency Kit	N/A
Life Time	100.000 Hours
Ip Rating	IP66

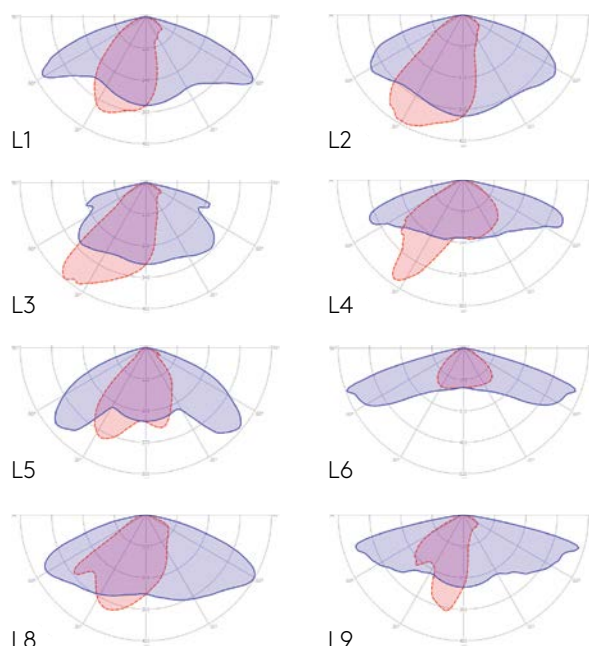
#### Mechanical

Operating Temperature	-40 °C – +50 °C
Dimensions (LxWxH)	637 x 374,3 x 85,4 mm
Product Weight	9,5 kg
Mounting Options	Post-top Pole, Side-entry Console

#### DIMENSIONS



#### LIGHT CURVE



■ C0-C180 ■ C90-C270 cd/100lm



## STREET LIGHT

### Ephesus M5S 47



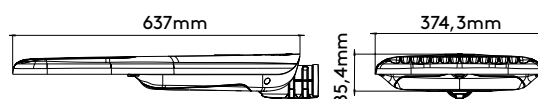
#### Optical And Electrical

Power	47 W
Colour Temperature	4000 K
Lumen Output	5400 lm
Efficacy	115 lm/W
CRI	>70
Beam Angle	Asymmetric
Dimming	Optional
Emergency Kit	N/A
Life Time	100.000 Hours
Ip Rating	IP66

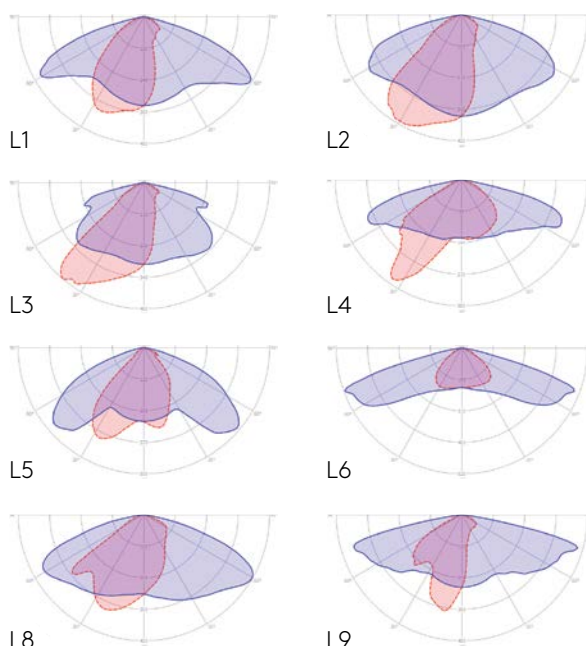
#### Mechanical

Operating Temperature	-40 °C – +50 °C
Dimensions (LxWxH)	637 x 374,3 x 85,4 mm
Product Weight	9,5 kg
Mounting Options	Post-top Pole, Side-entry Console

#### DIMENSIONS



#### LIGHT CURVE



■ C0 - C180 ■ C90 - C270 cd/100lm





## STREET LIGHT

### Ephesus M5S 35



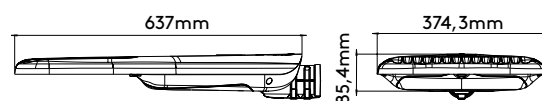
#### Optical And Electrical

Power	35 W
Colour Temperature	4000 K
Lumen Output	4000 lm
Efficacy	115 lm/W
CRI	>70
Beam Angle	Asymmetric
Dimming	Optional
Emergency Kit	N/A
Life Time	100.000 Hours
Ip Rating	IP66

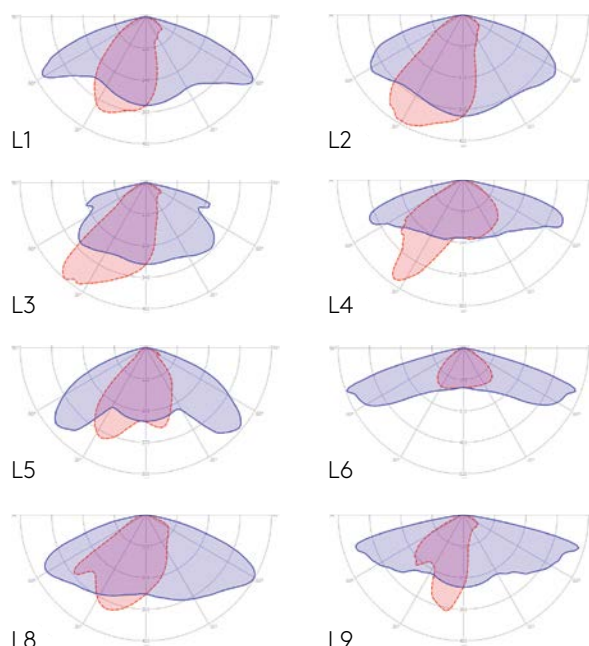
#### Mechanical

Operating Temperature	-40 °C – +50 °C
Dimensions (LxWxH)	637 x 374,3 x 85,4 mm
Product Weight	9,5 kg
Mounting Options	Post-top Pole, Side-entry Console

#### DIMENSIONS



#### LIGHT CURVE



■ C0-C180 ■ C90-C270 cd/100lm



## STREET LIGHT

### Ephesus M6S 24



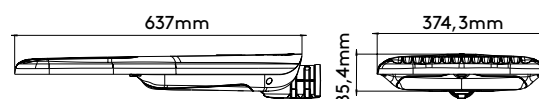
#### Optical And Electrical

Power	24 W
Colour Temperature	4000 K
Lumen Output	2800 lm
Efficacy	115 lm/W
CRI	>70
Beam Angle	Asymmetric
Dimming	Optional
Emergency Kit	N/A
Life Time	100.000 Hours
Ip Rating	IP66

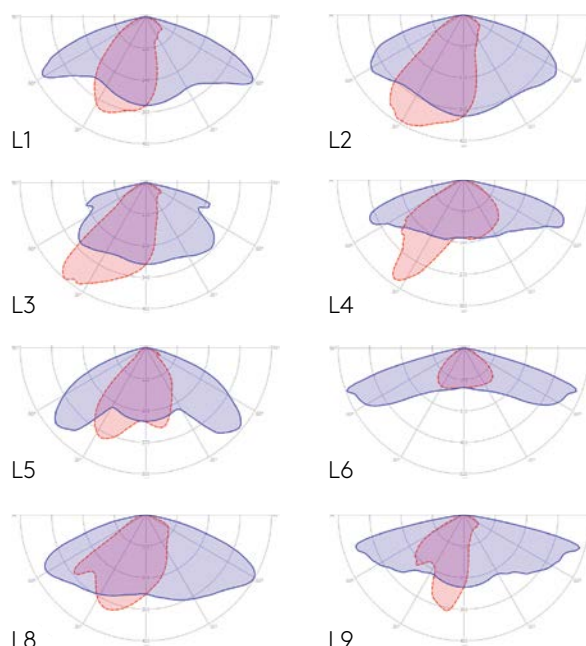
#### Mechanical

Operating Temperature	-40 °C – +50 °C
Dimensions (LxWxH)	637 x 374,3 x 85,4 mm
Product Weight	9,5 kg
Mounting Options	Post-top Pole, Side-entry Console

#### DIMENSIONS



#### LIGHT CURVE



■ C0 - C180 ■ C90 - C270 cd/100lm





## STREET LIGHT

### Ephesus M6H 13



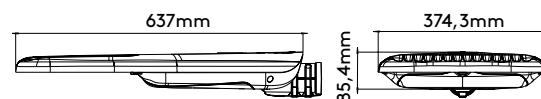
#### Optical And Electrical

Power	13 W
Colour Temperature	4000 K
Lumen Output	1900 lm
Efficacy	146 lm/W
CRI	>70
Beam Angle	Asymmetric
Dimming	Optional
Emergency Kit	N/A
Life Time	100.000 Hours
Ip Rating	IP66

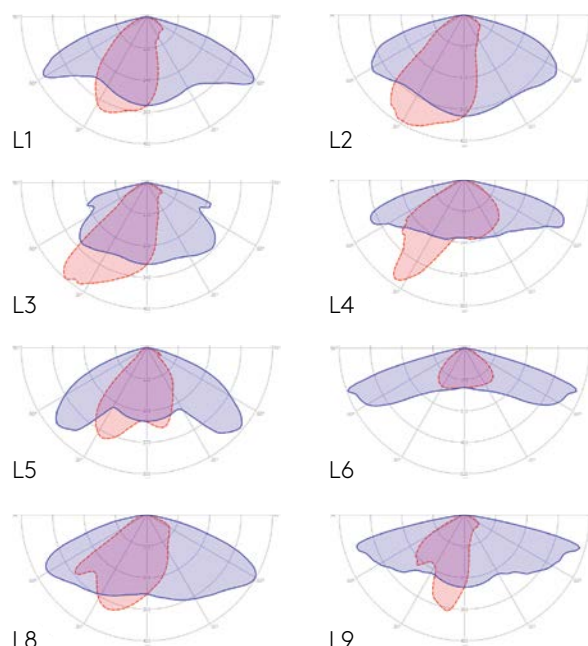
#### Mechanical

Operating Temperature	-40 °C – +50 °C
Dimensions (LxWxH)	637 x 374,3 x 85,4 mm
Product Weight	9,5 kg
Mounting Options	Post-top Pole, Side-entry Console

#### DIMENSIONS



#### LIGHT CURVE



■ C0-C180 ■ C90-C270 cd/100lm



## STREET LIGHT

### Sardes S2 165



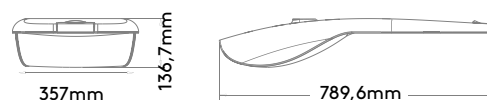
#### Optical And Electrical

Power	165 W
Colour Temperature	4000 K
Lumen Output	21.000 lm
Efficacy	127 lm/W
CRI	>70
Beam Angle	Asymmetric
Dimming	Optional
Emergency Kit	N/A
Life Time	100.000 Hours
Ip Rating	IP66

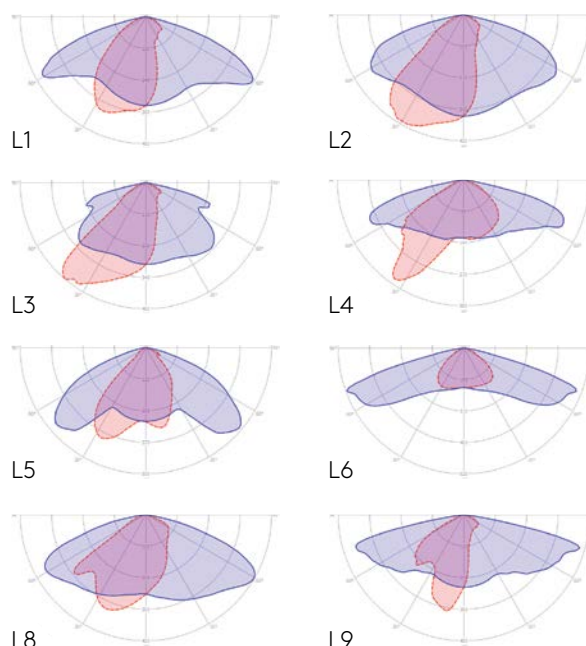
#### Mechanical

Operating Temperature	-40 °C – +50 °C
Dimensions (LxWxH)	789,6 x 357 x 136,7 mm
Product Weight	10,3 kg
Mounting Options	Post-top Pole, Side-entry Console

#### DIMENSIONS



#### LIGHT CURVE



■ C0 - C180 ■ C90 - C270 cd/100lm





## STREET LIGHT

### Sardes S2 155



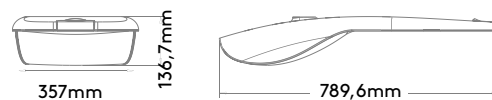
#### Optical And Electrical

Power	155 W
Colour Temperature	4000 K
Lumen Output	19.000 lm
Efficacy	123 lm/W
CRI	>70
Beam Angle	Asymmetric
Dimming	Optional
Emergency Kit	N/A
Life Time	100.000 Hours
Ip Rating	IP66

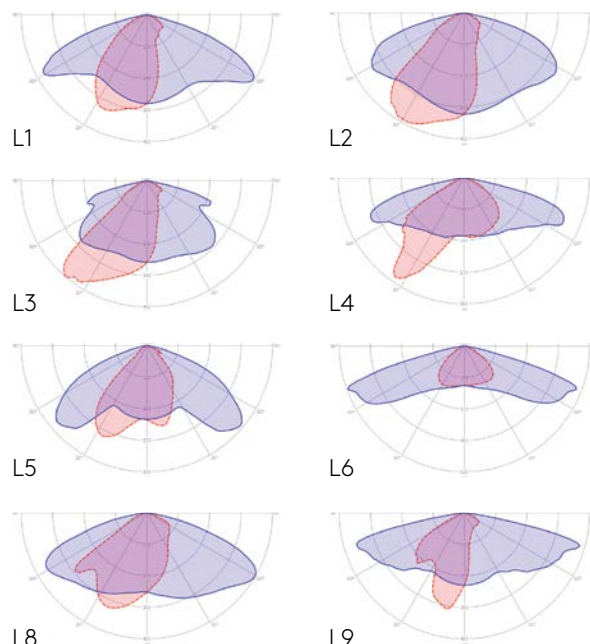
#### Mechanical

Operating Temperature	-40 °C – +50 °C
Dimensions (LxWxH)	789,6 x 357 x 136,7 mm
Product Weight	10,3 kg
Mounting Options	Post-top Pole, Side-entry Console

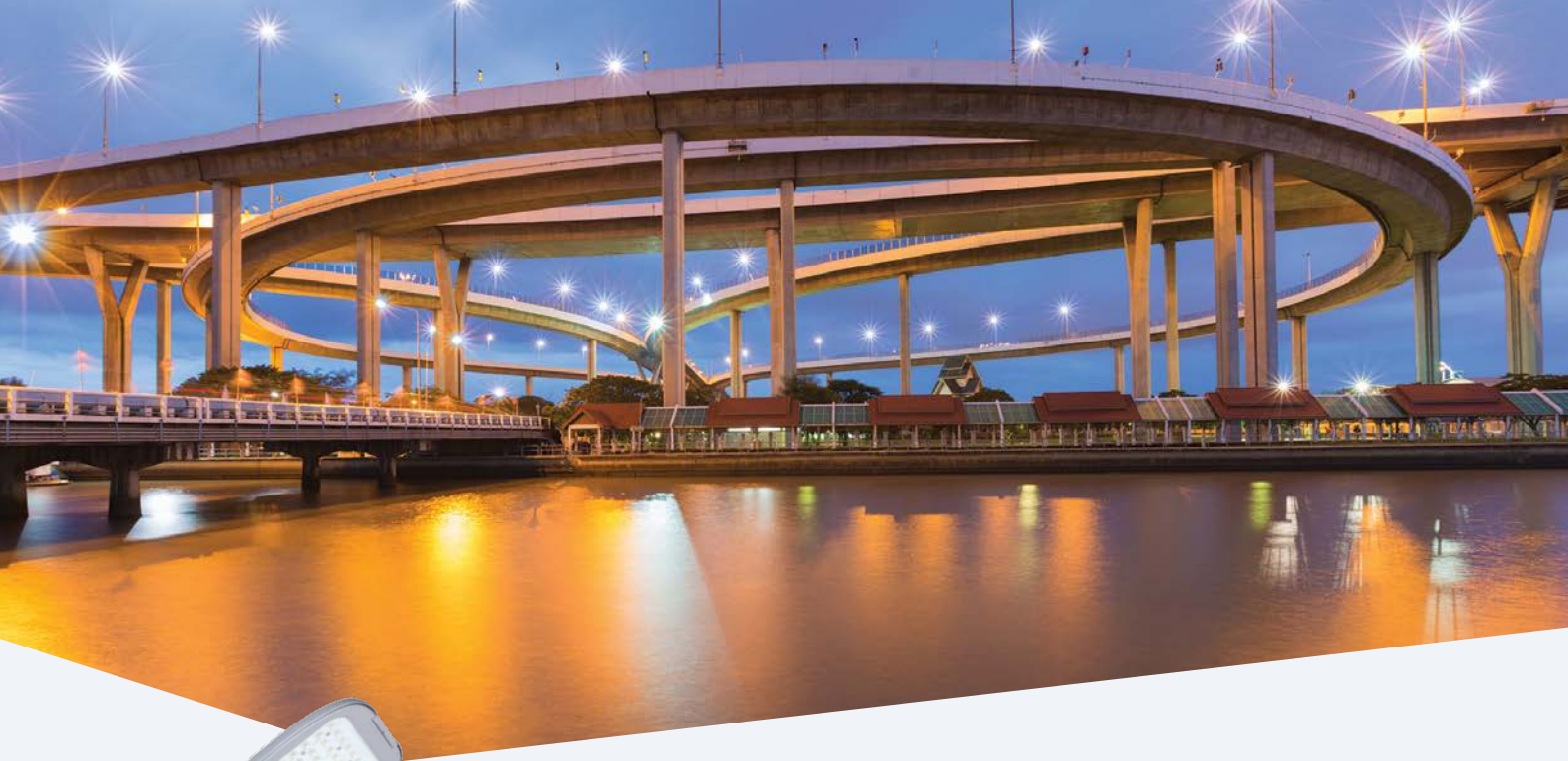
#### DIMENSIONS



#### LIGHT CURVE



■ C0-C180 ■ C90-C270 cd/100lm



## STREET LIGHT

### Sardes S2 140



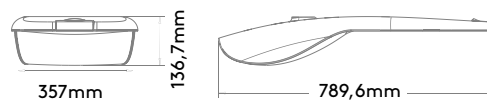
#### Optical And Electrical

Power	140 W	
Colour Temperature	4000 K	
Lumen Output	16.000 lm	14.000 lm
Efficacy	115 lm/W	100 lm/W
CRI	>70	
Beam Angle	Asymmetric	
Dimming	Optional	
Emergency Kit	N/A	
Life Time	100.000 Hours	
Ip Rating	IP66	

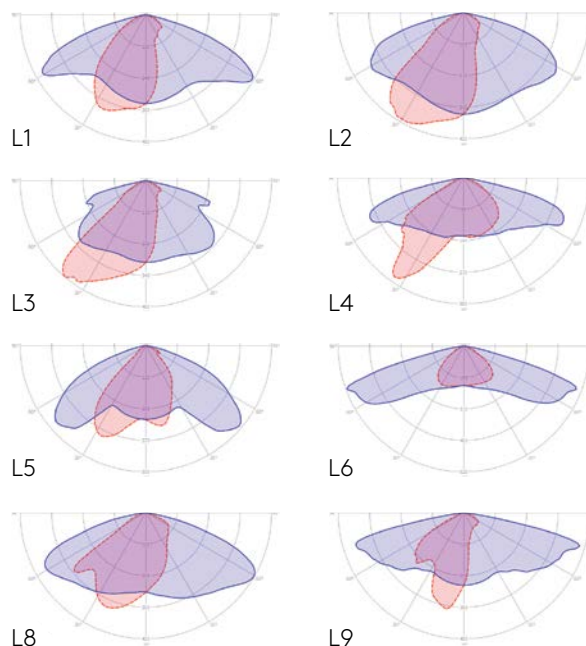
#### Mechanical

Operating Temperature	-40 °C – +50 °C	
Dimensions (LxWxH)	789,6 x 357 x 136,7 mm	
Product Weight	10,3 kg	
Mounting Options	Post-top Pole, Side-entry Console	

#### DIMENSIONS



#### LIGHT CURVE



■ C0 - C180 ■ C90 - C270 cd/100lm





## STREET LIGHT

### Sardes S3 121



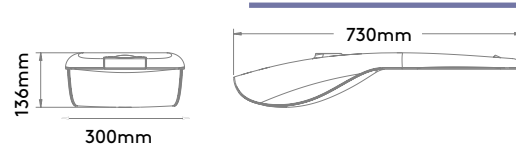
#### Optical And Electrical

Power	121 W
Colour Temperature	4000 K
Lumen Output	14.000 lm
Efficacy	115 lm/W
CRI	>70
Beam Angle	Asymmetric
Dimming	Optional
Emergency Kit	N/A
Life Time	100.000 Hours
Ip Rating	IP66

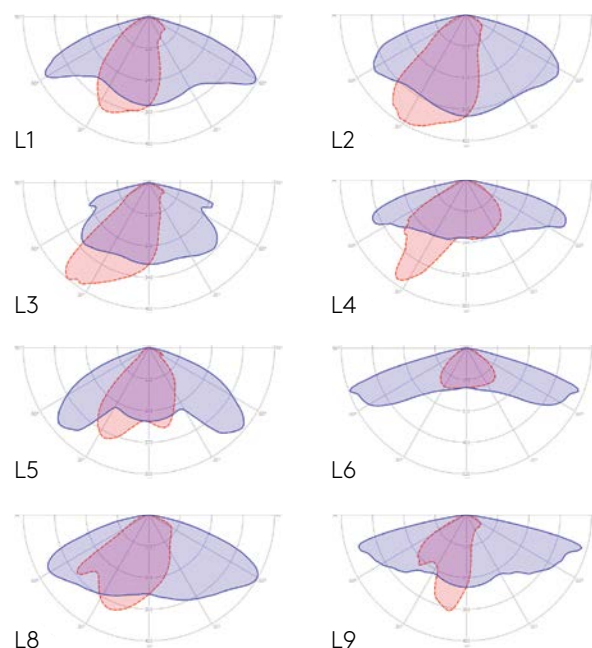
#### Mechanical

Operating Temperature	-40 °C – +50 °C
Dimensions (LxWxH)	730 x 301 x 136 mm
Product Weight	7,8 kg
Mounting Options	Post-top Pole, Side-entry Console

#### DIMENSIONS



#### LIGHT CURVE



■ C0-C180 ■ C90-C270 cd/100lm



## STREET LIGHT

### Sardes S3 95



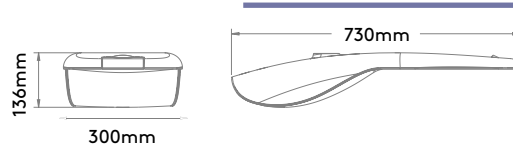
#### Optical And Electrical

Power	95 W	
Colour Temperature	4000 K	
Lumen Output	11.000 lm	9500 lm
Efficacy	115 lm/W	100 lm/W
CRI	>70	
Beam Angle	Asymmetric	
Dimming	Optional	
Emergency Kit	N/A	
Life Time	100.000 Hours	
Ip Rating	IP66	

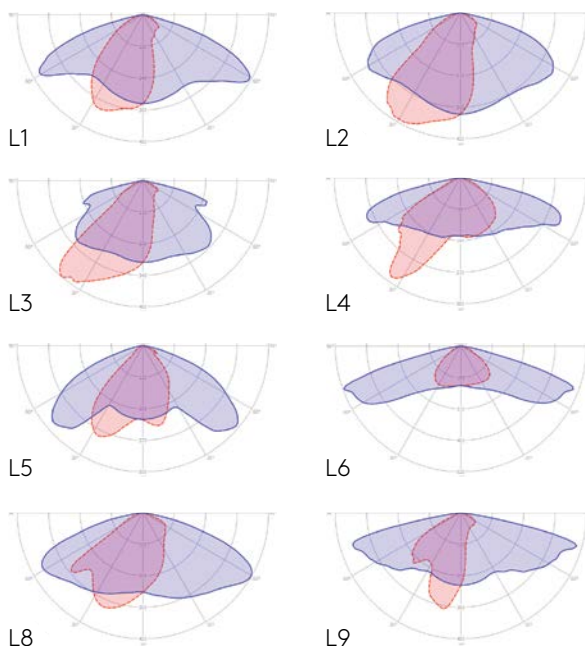
#### Mechanical

Operating Temperature	-40 °C – +50 °C	
Dimensions (LxWxH)	730 x 301 x 136 mm	
Product Weight	7,8 kg	
Mounting Options	Post-top Pole, Side-entry Console	

#### DIMENSIONS



#### LIGHT CURVE



■ C0 - C180 ■ C90 - C270 cd/100lm





## STREET LIGHT

### Sardes S3 78



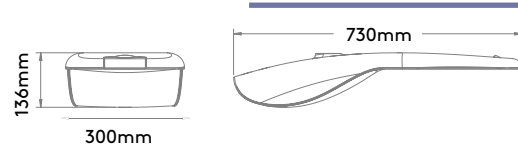
#### Optical And Electrical

Power	78 W
Colour Temperature	4000 K
Lumen Output	9000 lm
Efficacy	115 lm/W
CRI	>70
Beam Angle	Asymmetric
Dimming	Optional
Emergency Kit	N/A
Life Time	100.000 Hours
Ip Rating	IP66

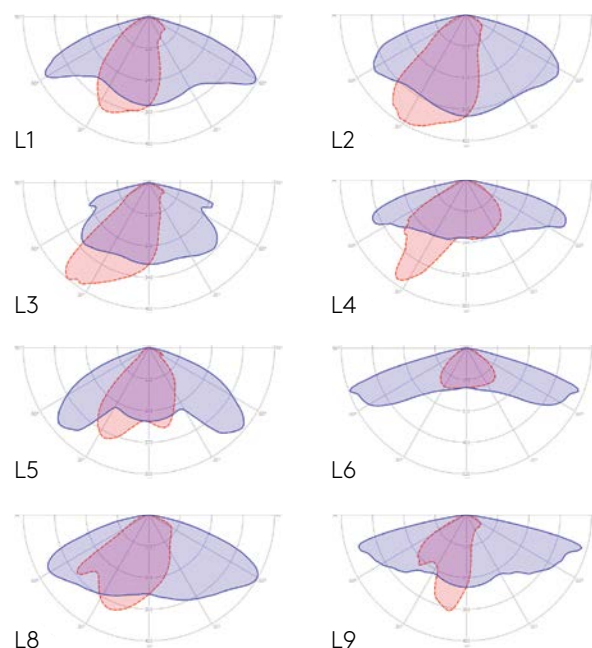
#### Mechanical

Operating Temperature	-40 °C – +50 °C
Dimensions (LxWxH)	730 x 301 x 136 mm
Product Weight	7,8 kg
Mounting Options	Post-top Pole, Side-entry Console

#### DIMENSIONS



#### LIGHT CURVE



■ C0-C180 ■ C90-C270 cd/100lm



## STREET LIGHT

### Sardes S5 60



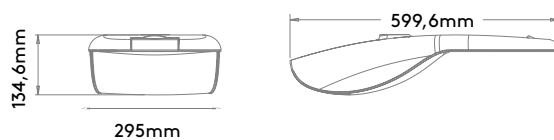
#### Optical And Electrical

Power	60 W	
Colour Temperature	4000 K	
Lumen Output	7000 lm	6000 lm
Efficacy	115 lm/W	100 lm/W
CRI	>70	
Beam Angle	Asymmetric	
Dimming	Optional	
Emergency Kit	N/A	
Life Time	100.000 Hours	
Ip Rating	IP66	

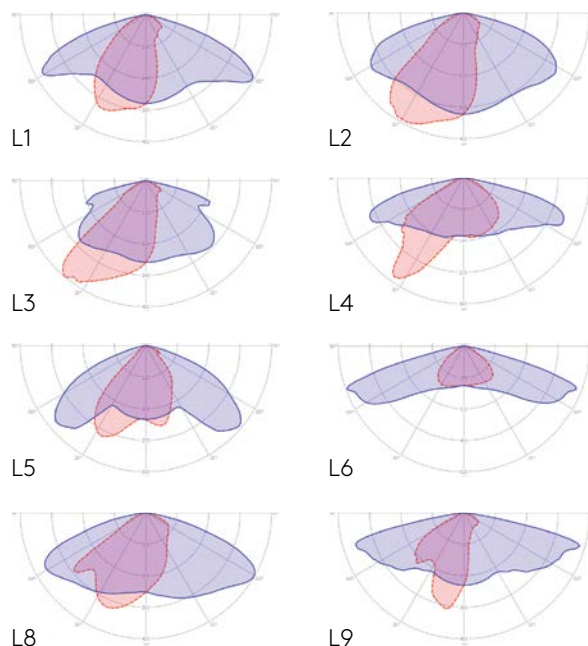
#### Mechanical

Operating Temperature	-40 °C – +50 °C	
Dimensions (LxWxH)	599,6 x 295 x 134,6 mm	
Product Weight	6,5 kg	
Mounting Options	Post-top Pole, Side-entry Console	

#### DIMENSIONS



#### LIGHT CURVE



■ C0 - C180 ■ C90 - C270 cd/100lm





## STREET LIGHT

### Sardes S5H 50



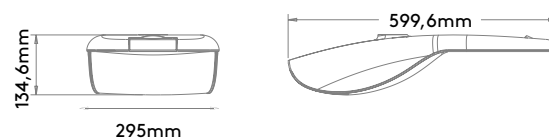
#### Optical And Electrical

Power	50,5 W
Colour Temperature	4000 K
Lumen Output	6600 lm
Efficacy	130 lm/W
CRI	>70
Beam Angle	Asymmetric
Dimming	Optional
Emergency Kit	N/A
Life Time	100.000 Hours
Ip Rating	IP66

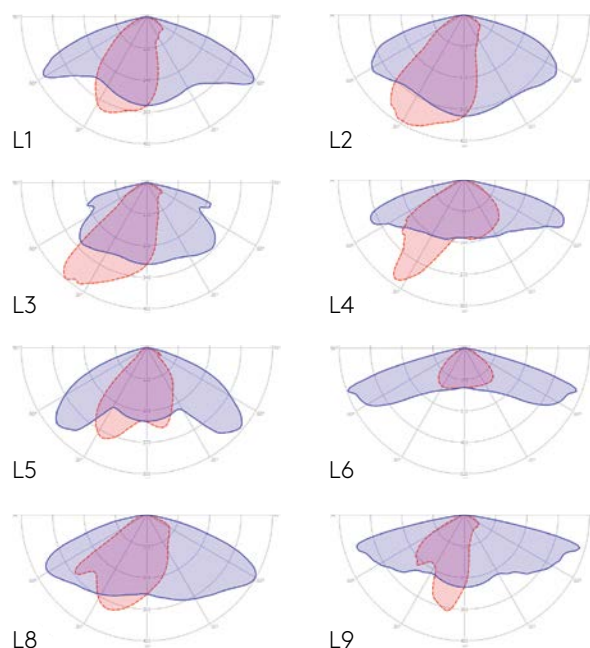
#### Mechanical

Operating Temperature	-40 °C – +50 °C
Dimensions (LxWxH)	599,6 x 295 x 134,6 mm
Product Weight	6,5 kg
Mounting Options	Post-top Pole, Side-entry Console

#### DIMENSIONS



#### LIGHT CURVE



■ C0-C180 ■ C90-C270 cd/100lm



## STREET LIGHT

### Sardes S5H 35



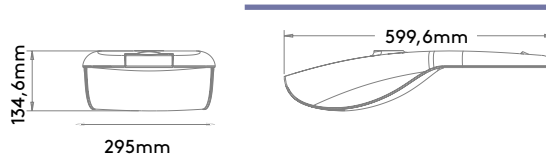
#### Optical And Electrical

Power	35 W
Colour Temperature	4000 K
Lumen Output	5250 lm
Efficacy	150 lm/W
CRI	>70
Beam Angle	Asymmetric
Dimming	Optional
Emergency Kit	N/A
Life Time	100.000 Hours
Ip Rating	IP66

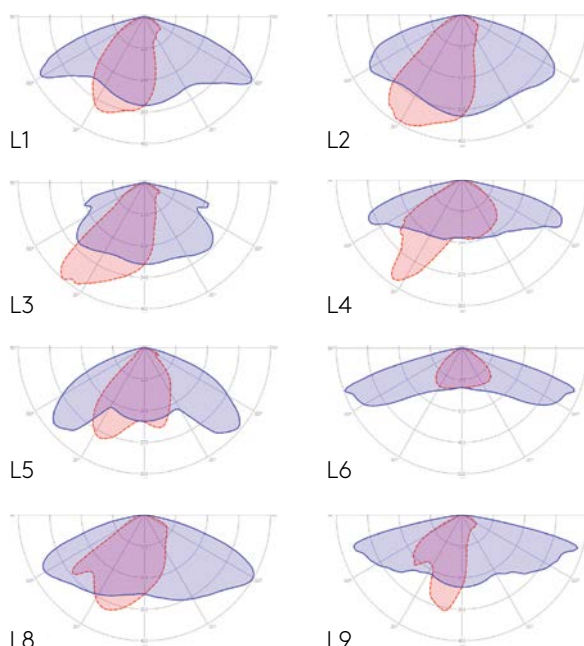
#### Mechanical

Operating Temperature	-40 °C – +50 °C
Dimensions (LxWxH)	599,6 x 295 x 134,6 mm
Product Weight	6,5 kg
Mounting Options	Post-top Pole, Side-entry Console

#### DIMENSIONS



#### LIGHT CURVE



■ C0 - C180 ■ C90 - C270 cd/100lm





## STREET LIGHT

### Sardes S5 35



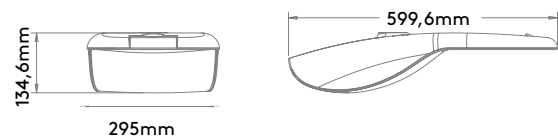
#### Optical And Electrical

Power	35 W
Colour Temperature	4000 K
Lumen Output	4025 lm
Efficacy	115 lm/W
CRI	>70
Beam Angle	Asymmetric
Dimming	Optional
Emergency Kit	N/A
Life Time	100.000 Hours
Ip Rating	IP66

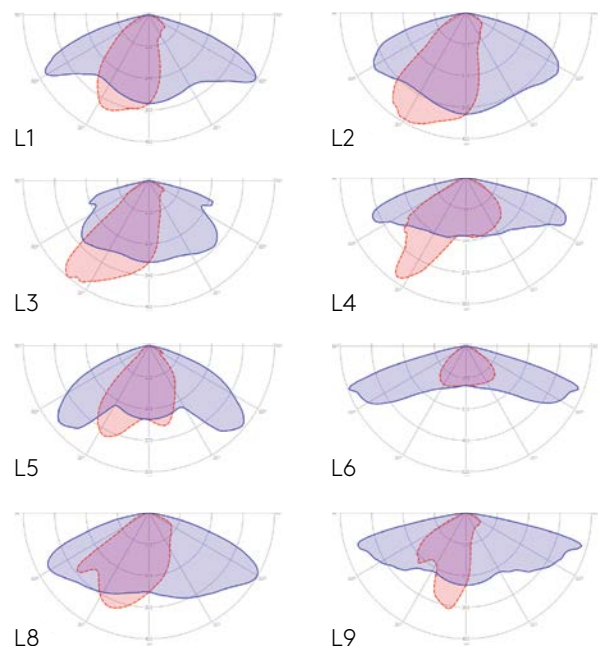
#### Mechanical

Operating Temperature	-40 °C – +50 °C
Dimensions (LxWxH)	599,6 x 295 x 134,6 mm
Product Weight	6,5 kg
Mounting Options	Post-top Pole, Side-entry Console

#### DIMENSIONS



#### LIGHT CURVE



■ C0 - C180 ■ C90 - C270 cd/100lm



## STREET LIGHT

### Sardes S5 24



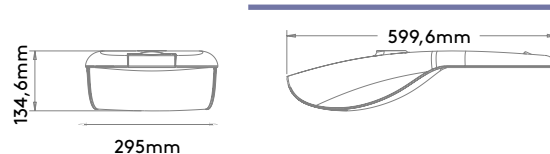
#### Optical And Electrical

Power	24 W
Colour Temperature	4000 K
Lumen Output	2800 lm
Efficacy	116 lm/W
CRI	>70
Beam Angle	Asymmetric
Dimming	Optional
Emergency Kit	N/A
Life Time	100.000 Hours
Ip Rating	IP66

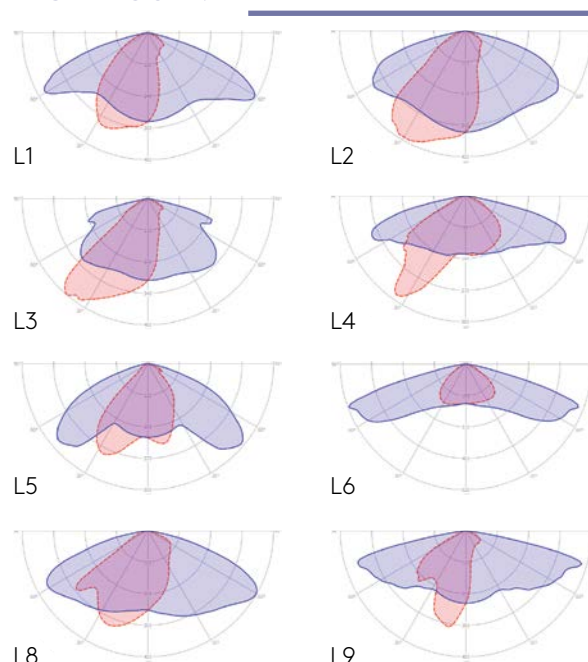
#### Mechanical

Operating Temperature	-40 °C – +50 °C
Dimensions (LxWxH)	599,6 x 295 x 134,6 mm
Product Weight	6,5 kg
Mounting Options	Post-top Pole, Side-entry Console

#### DIMENSIONS



#### LIGHT CURVE



■ C0-C180 ■ C90-C270 cd/100lm





## STREET LIGHT

### Sardes S5H 13



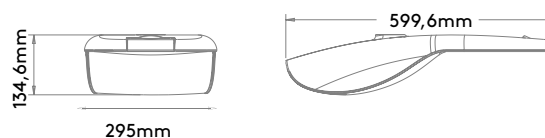
#### Optical And Electrical

Power	13 W
Colour Temperature	4000 K
Lumen Output	1900 lm
Efficacy	146 lm/W
CRI	>70
Beam Angle	Asymmetric
Dimming	Optional
Emergency Kit	N/A
Life Time	100.000 Hours
Ip Rating	IP66

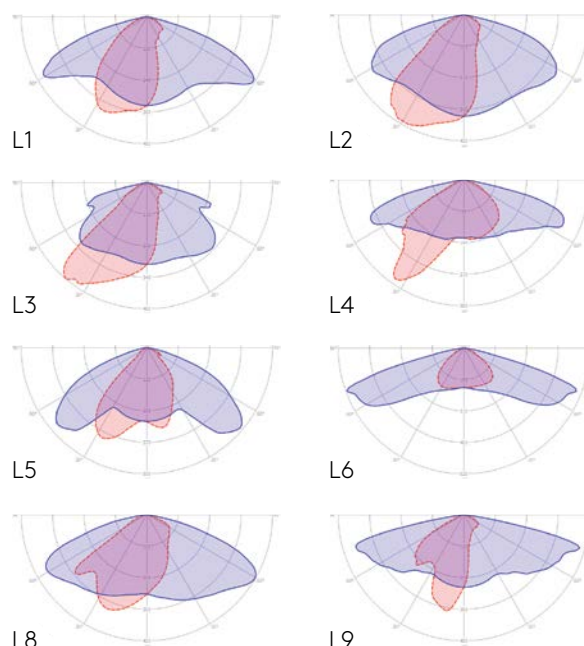
#### Mechanical

Operating Temperature	-40 °C – +50 °C
Dimensions (LxWxH)	599,6 x 295 x 134,6 mm
Product Weight	6,5 kg
Mounting Options	Post-top Pole, Side-entry Console

#### DIMENSIONS



#### LIGHT CURVE



■ C0-C180 ■ C90-C270 cd/100lm



## STREET LIGHT

### Magnesia 90 W



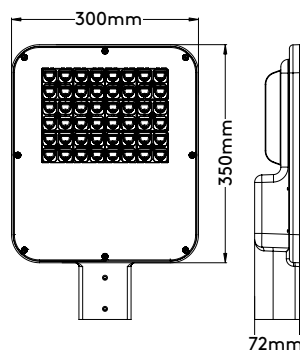
#### Optical And Electrical

Power	90 W
Colour Temperature	4000 K
Lumen Output	11.000 lm
Efficacy	121 lm/W
CRI	>70
Beam Angle	Asymmetric
Dimming	Optional
Emergency Kit	N/A
Life Time	100.000 Hours
Ip Rating	IP66

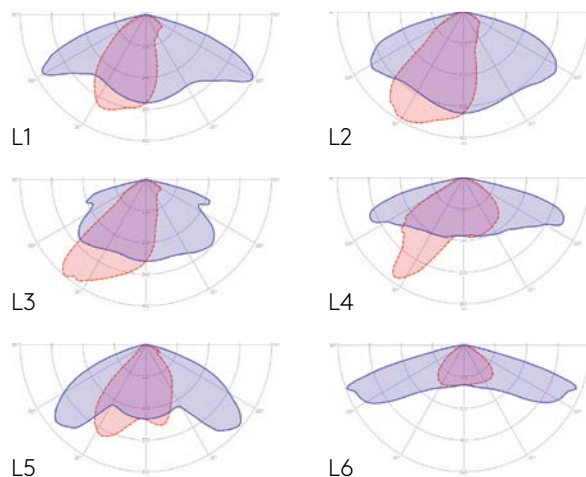
#### Mechanical

Operating Temperature	-40 °C – +50 °C
Dimensions (LxWxH)	350 x 300 x 72 mm
Product Weight	3.5 kg
Mounting Options	Side-entry

#### DIMENSIONS



#### LIGHT CURVE



■ C0 - C180 ■ C90 - C270 cd/100lm





## STREET LIGHT

### Street Fighter 50 W



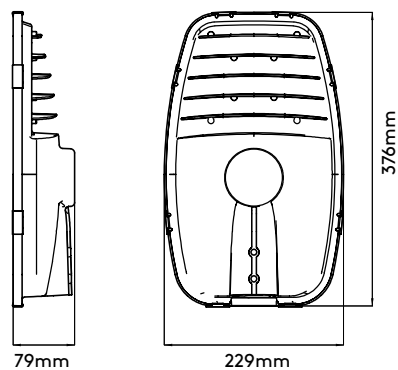
#### Optical And Electrical

Power	50 W
Colour Temperature	4000 K
Lumen Output	6.000 lm
Efficacy	120 lm/W
CRI	>70
Beam Angle	Asymmetric
Dimming	Optional
Emergency Kit	N/A
Life Time	100.000 Hours
Ip Rating	IP66

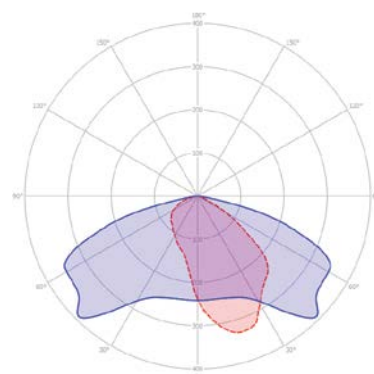
#### Mechanical

Operating Temperature	-40 °C – +50 °C
Dimensions (LxWxH)	79 x 229 x 376 mm
Product Weight	2,8 kg
Mounting Options	Side-entry

#### DIMENSIONS



#### LIGHT CURVE



■ C0-C180 ■ C90-C270 cd/100lm



## AREA LIGHT

400 W



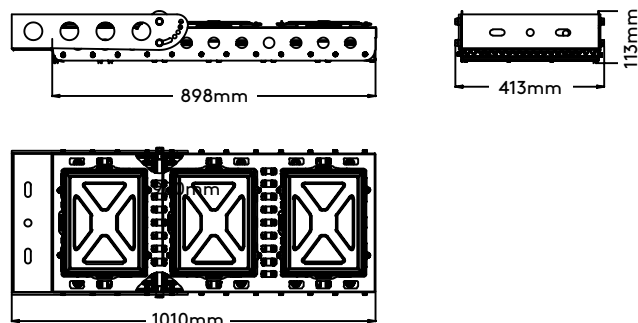
### Optical And Electrical

Power	400 W
Colour Temperature	4000 K
Lumen Output	52.000 lm
Efficacy	130 lm/W
CRI	>70
Beam Angle	16°/30°/50°/asym
Dimming	N/A
Emergency Kit	N/A
Life Time	100.000 Hours
Ip Rating	IP66

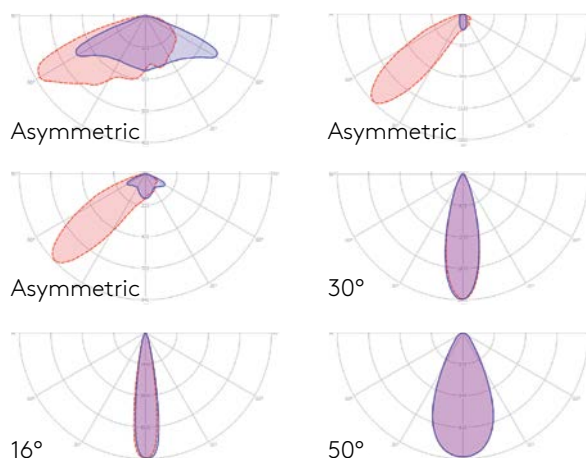
### Mechanical

Operating Temperature	-40 °C – +40 °C
Dimensions (LxWxH)	1010/898 x 413 x 144 mm
Product Weight	33 kg
Mounting Options	U-Bracket

### DIMENSIONS

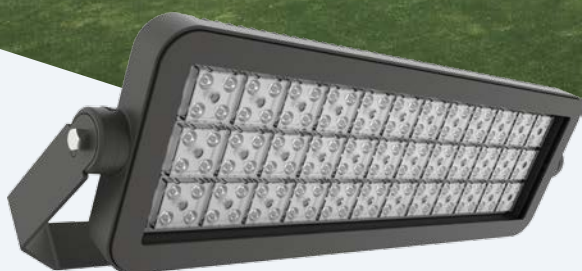


### LIGHT CURVE



■ C0 - C180 ■ C90 - C270 cd/100lm





## FLOOD LIGHT

### 1M 285 W



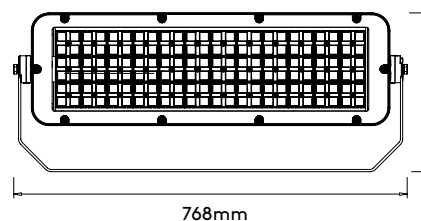
#### Optical And Electrical

Power	285 W
Colour Temperature	5000 K
Lumen Output	40.000 lm
Efficacy	140 lm/W
CRI	>80
Beam Angle	20° / 30° / 50° / Oval
Dimming	Optional
Emergency Kit	N/A
Life Time	100.000 Hours
Ip Rating	IP66

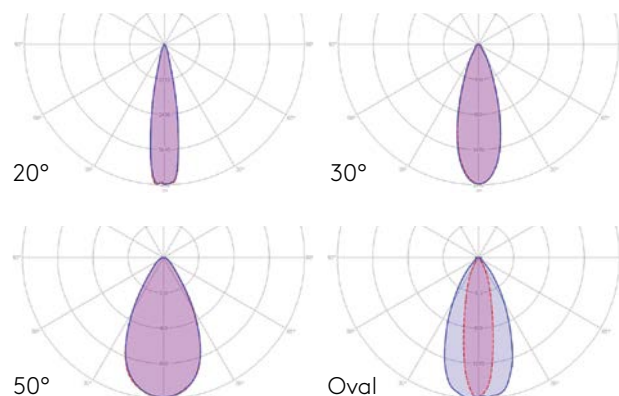
#### Mechanical

Operating Temperature	-40 °C – +40 °C
Dimensions (LxWxH)	768 x 135,7 x 310 mm
Product Weight	18 kg
Mounting Options	U-Bracket

#### DIMENSIONS



#### LIGHT CURVE



■ C0-C180 ■ C90-C270 cd/100lm



## FLOOD LIGHT

### 2M 570 W



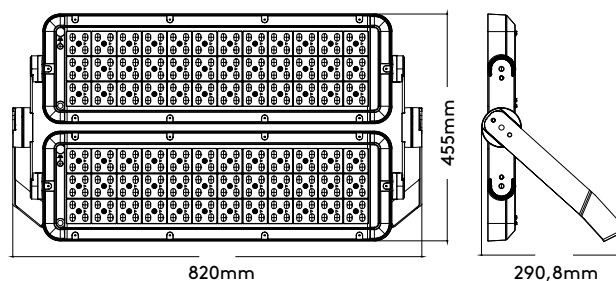
#### Optical And Electrical

Power	570 W
Colour Temperature	5000 K
Lumen Output	80.000 lm
Efficacy	140 lm/W
CRI	>80
Beam Angle	20° / 30° / 50° / Oval
Dimming	Optional
Emergency Kit	N/A
Life Time	100.000 Hours
Ip Rating	IP66

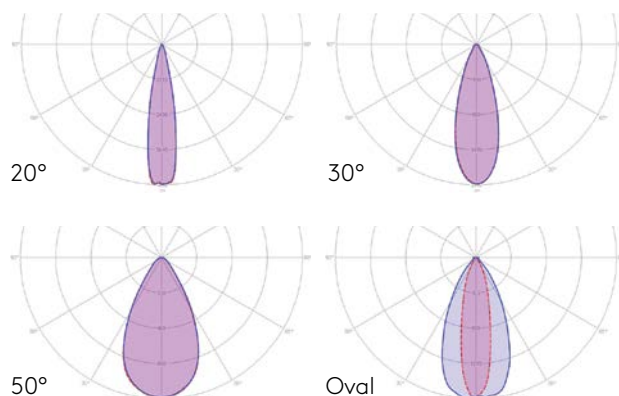
#### Mechanical

Operating Temperature	-40 °C – +40 °C
Dimensions (LxWxH)	820 x 455 x 290,8 mm
Product Weight	29 kg
Mounting Options	U-Bracket

#### DIMENSIONS



#### LIGHT CURVE



■ C0 - C180 ■ C90 - C270 cd/100lm





## FLOOD LIGHT

### 3M 840 W



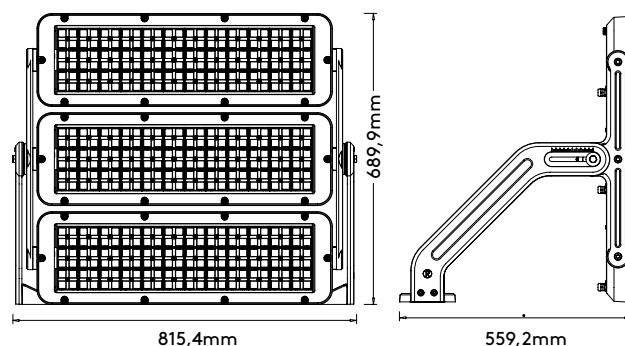
#### Optical And Electrical

Power	855 W
Colour Temperature	5000 K
Lumen Output	120.000 lm
Efficacy	140 lm/W
CRI	>80
Beam Angle	20° / 30° / 50° / Oval
Dimming	Optional
Emergency Kit	N/A
Life Time	100.000 Hours
Ip Rating	IP66

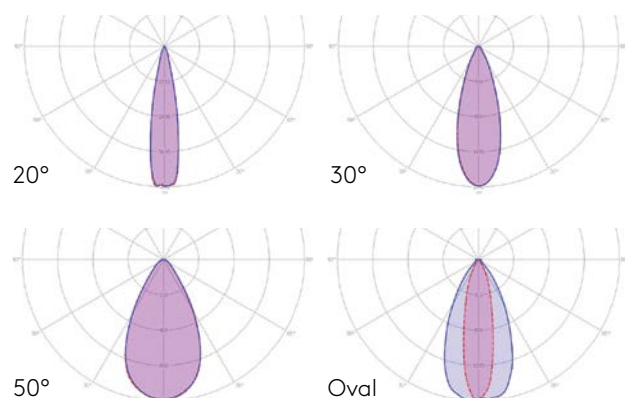
#### Mechanical

Operating Temperature	-40 °C – +40 °C
Dimensions (LxWxH)	815,4 x 559,2 x 689,9 mm
Product Weight	35 kg
Mounting Options	U-Bracket

#### DIMENSIONS



#### LIGHT CURVE



■ C0-C180 ■ C90-C270 cd/100lm



## PROJECTOR

### S150 W



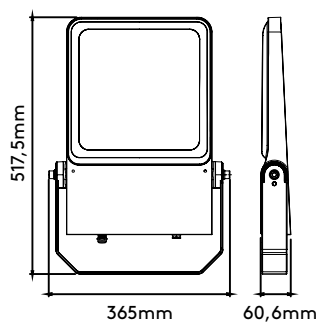
#### Optical And Electrical

Power	150 W
Colour Temperature	5000 K
Lumen Output	20.000 lm
Efficacy	133 lm/W
CRI	>80
Beam Angle	20° / 30° / 50° / Oval
Dimming	Optional
Emergency Kit	N/A
Life Time	100.000 Hours
Ip Rating	IP66

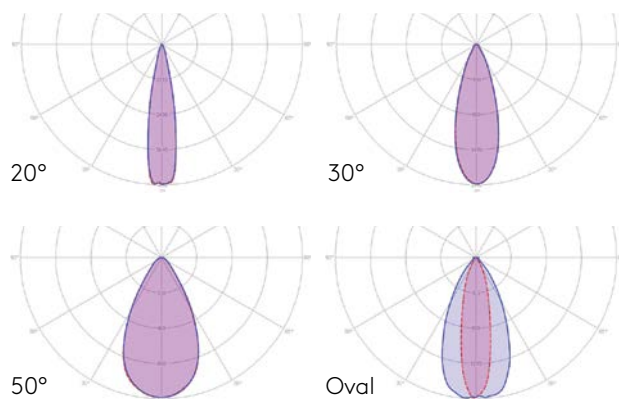
#### Mechanical

Operating Temperature	-40 °C – +40 °C
Dimensions (LxWxH)	571,5 x 365 x 60,6 mm
Product Weight	5,9 kg
Mounting Options	U-Bracket

#### DIMENSIONS



#### LIGHT CURVE



■ C0 - C180 ■ C90 - C270 cd/100lm





## PROJECTOR M 300 W



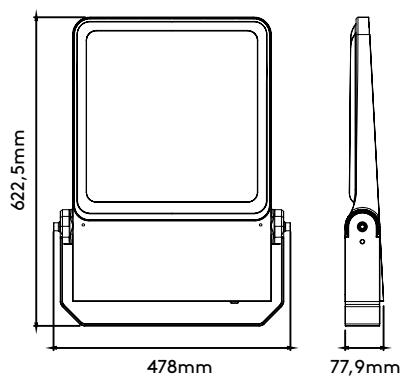
### Optical And Electrical

Power	300 W
Colour Temperature	5000 K
Lumen Output	40.000 lm
Efficacy	133 lm/W
CRI	>80
Beam Angle	20° / 30° / 50° / Oval
Dimming	Optional
Emergency Kit	N/A
Life Time	100.000 Hours
Ip Rating	IP66

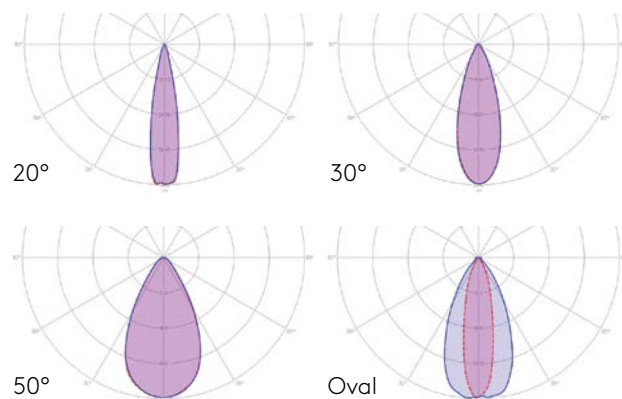
### Mechanical

Operating Temperature	-40 °C – +40 °C
Dimensions (LxWxH)	622,5 x 478 x 77,9 mm
Product Weight	10,3 kg
Mounting Options	U-Bracket

### DIMENSIONS



### LIGHT CURVE



■ C0 - C180 ■ C90 - C270 cd/100lm



## PROJECTOR L 600 W



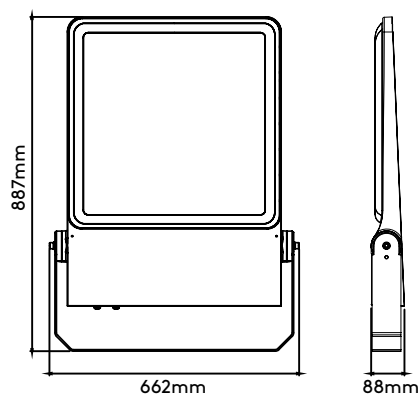
### Optical And Electrical

Power	600 W
Colour Temperature	5000 K
Lumen Output	80.000 lm
Efficacy	133 lm/W
CRI	>80
Beam Angle	20° / 30° / 50° / Oval
Dimming	Optional
Emergency Kit	N/A
Life Time	100.000 Hours
Ip Rating	IP66

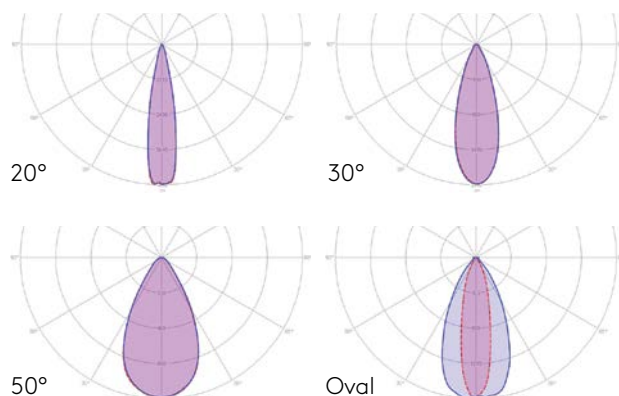
### Mechanical

Operating Temperature	-40 °C – +40 °C
Dimensions (LxWxH)	887 x 662 x 88 mm
Product Weight	22,1 kg
Mounting Options	U-Bracket

### DIMENSIONS



### LIGHT CURVE



■ C0 - C180 ■ C90 - C270 cd/100lm





## GARDEN POLE Light 17 W



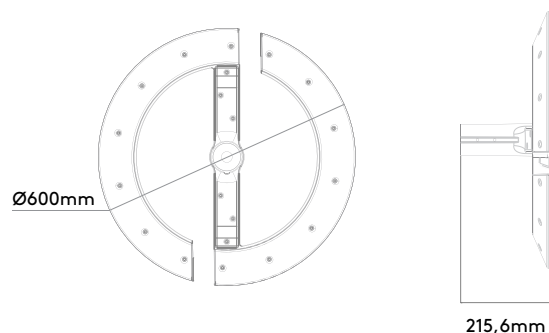
### Optical And Electrical

Power	17 W		
Colour Temperature	3000 K	4000 K	6500 K
Lumen Output	1445 lm		
Efficacy	85 lm/W		
CRI	>80		
Beam Angle	100°		
Dimming	N/A		
Emergency Kit	N/A		
Life Time	50.000 Hours		
Ip Rating	IP66		

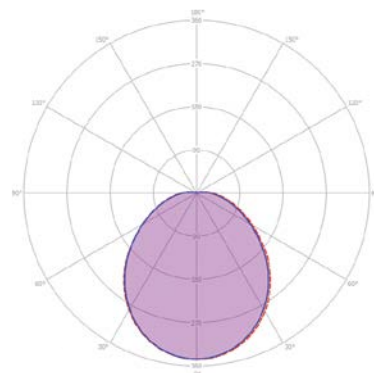
### Mechanical

Operating Temperature	-40°C – +50°C
Dimensions (LxWxH)	Ø600 x 215,6 mm
Product Weight	6 kg
Mounting Options	Post-top Pole Mounted

### DIMENSIONS



### LIGHT CURVE



■ C0-C180 ■ C90-C270 cd/100lm



## GARDEN POLE

Light 29 W



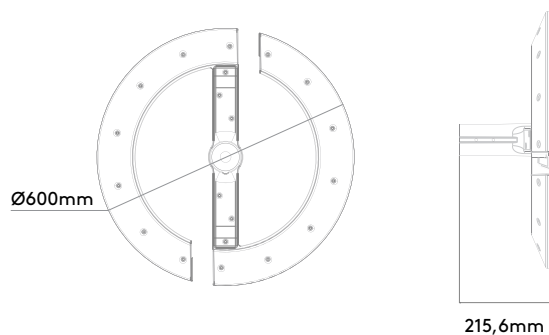
### Optical And Electrical

Power	29 W		
Colour Temperature	3000 K	4000 K	6500 K
Lumen Output	2465 lm		
Efficacy	85 lm/W		
CRI	>80		
Beam Angle	100°		
Dimming	N/A		
Emergency Kit	N/A		
Life Time	50.000 Hours		
Ip Rating	IP66		

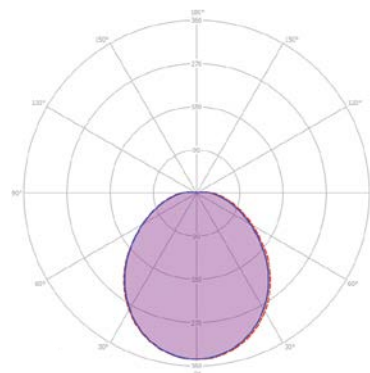
### Mechanical

Operating Temperature	-40°C – +50°C
Dimensions (LxWxH)	Ø600 x 215,6 mm
Product Weight	6 kg
Mounting Options	Post-top Pole Mounted

### DIMENSIONS

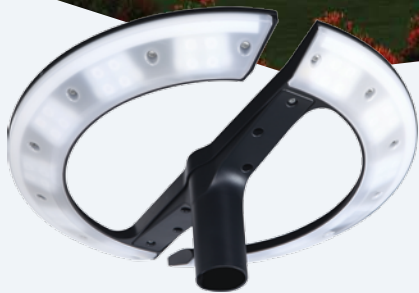


### LIGHT CURVE



■ C0 - C180 ■ C90 - C270 cd/100lm





## GARDEN POLE Light 41 W



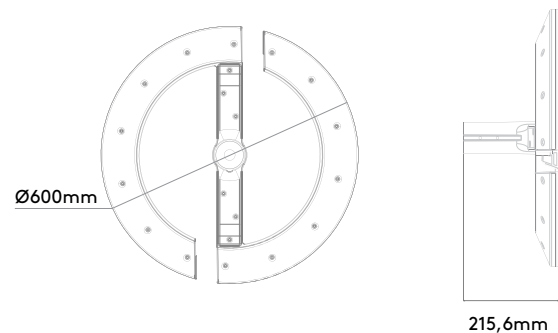
### Optical And Electrical

Power	41 W		
Colour Temperature	3000 K	4000 K	6500 K
Lumen Output	3500 lm		
Efficacy	85 lm/W		
CRI	>80		
Beam Angle	100°		
Dimming	N/A		
Emergency Kit	N/A		
Life Time	50.000 Hours		
Ip Rating	IP66		

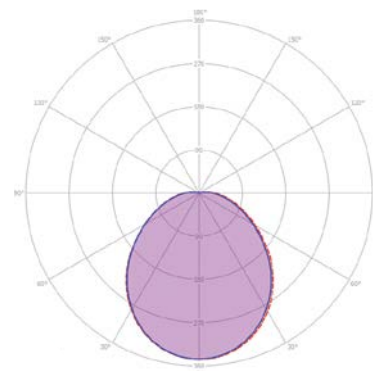
### Mechanical

Operating Temperature	-40°C – +50°C
Dimensions (LxWxH)	Ø600 x 215,6 mm
Product Weight	6 kg
Mounting Options	Post-top Pole Mounted

### DIMENSIONS



### LIGHT CURVE



■ C0-C180 ■ C90-C270 cd/100lm



## BOLLARD

IEC/EN  
60598  
✓

IEC/EN  
55015  
61547  
✓



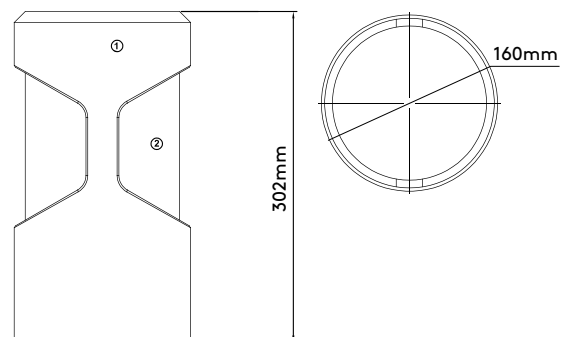
### Optical And Electrical

<b>Power</b>	7,5 W	
<b>Colour Temperature</b>	3000 K	4000 K
<b>Lumen Output</b>	350 lm	400 lm
<b>Efficacy</b>	46 lm/W	53 lm/W
<b>CRI</b>	>70	
<b>Beam Angle</b>	Asymmetric	
<b>Dimming</b>	N/A	
<b>Emergency Kit</b>	N/A	
<b>Life Time</b>	50.000 Hours	
<b>Ip Rating</b>	IP65	

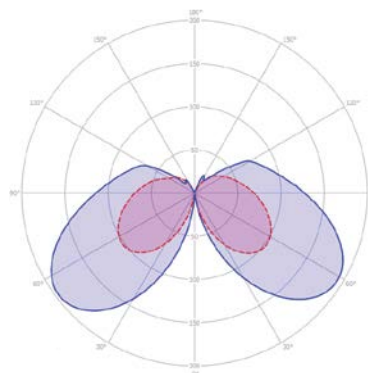
### Mechanical

<b>Operating Temperature</b>	-30°C – +40°C	
<b>Dimensions (LxWxH)</b>	Ø160 x 302/602/802/1002 mm	
<b>Product Weight</b>	3,1/5/5,8/6,5 kg	
<b>Mounting Options</b>	Flange Mounted	

### DIMENSIONS



### LIGHT CURVE



■ C0-C180 ■ C90-C270 cd/100lm



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[illegible]



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[illegible]

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[illegible]



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