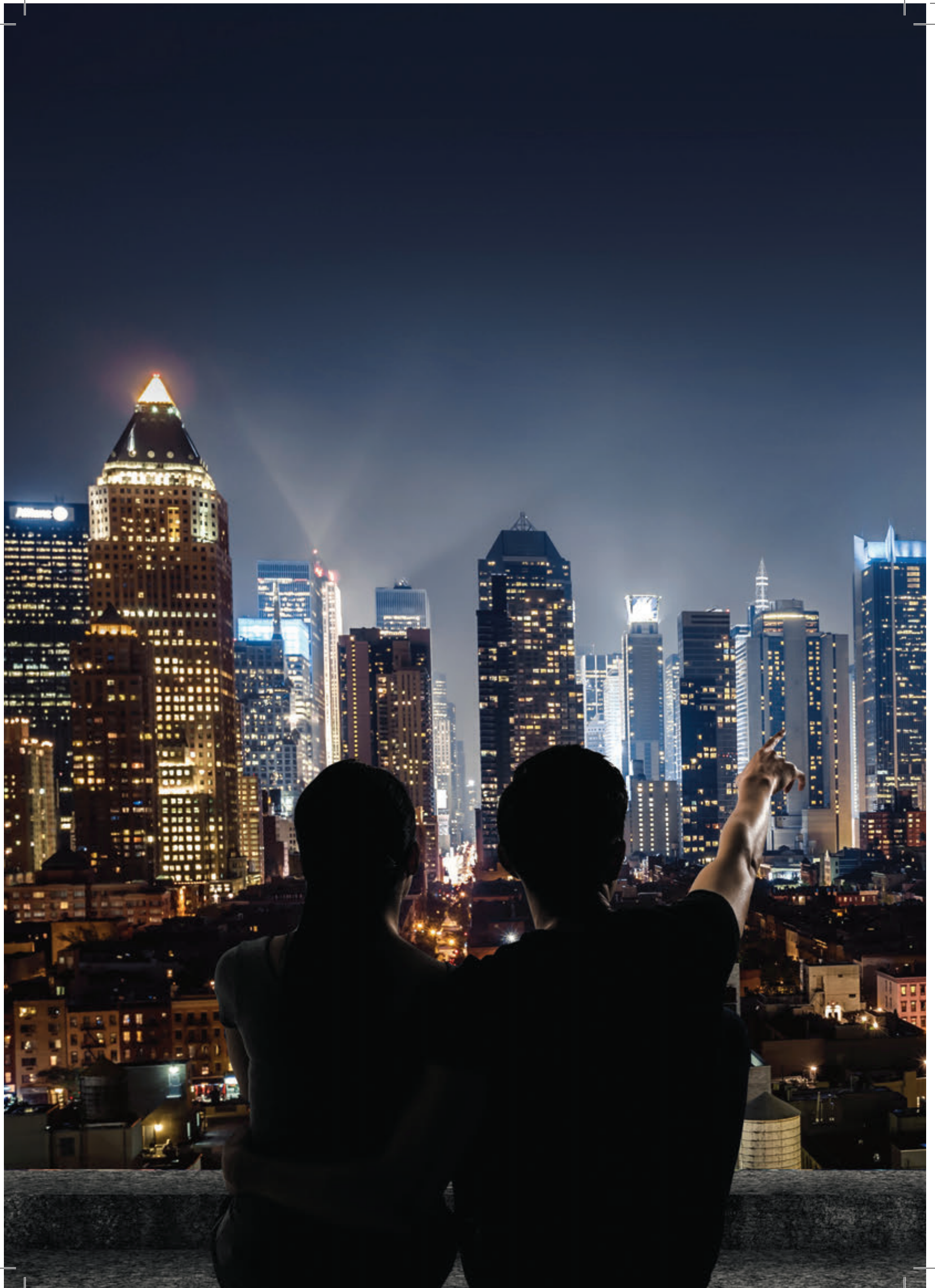




**LED Lighting  
Solutions**  
2017-2018

**VESTEL**











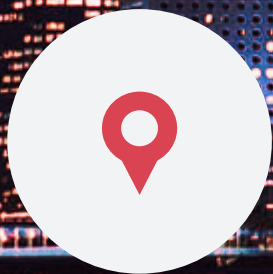
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**COMPANY PROFILE**  
04-05



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**GLOBAL OPERATIONS**  
06-07



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**ADDRESSES**  
85

**I N D E X**



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**DOWNLIGHT**  
10-13



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**PANEL LIGHT**  
14-19



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**LINEAR LIGHT**  
20-23



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**TRACKLIGHT**  
24-28





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**GRID LIGHT**  
29-31



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**WALL-WASHER**  
47-50



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**STREET LIGHT**  
56-80



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**BATTEN**  
32-38



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**GARDEN POLE**  
51-53



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**MID BAY**  
39



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**BOLLARD**  
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**HIGH BAY**  
40-45



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**AREA LIGHT**  
55





## VESTEL

### COMPANY PROFILE

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



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



16.000  
Employees



18 Million  
TV Production Capacity



10,9 Million  
Home Appliances  
Production Capacity



35 Million  
Device Production  
Capacity



\$ 4 Billion  
Turnover



Export Leader of Turkey with  
\$ 2.5 Billion





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, 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, the UK, and China employ

the highest caliber engineers to develop hardware and software solutions that provide clients with world-class quality products.

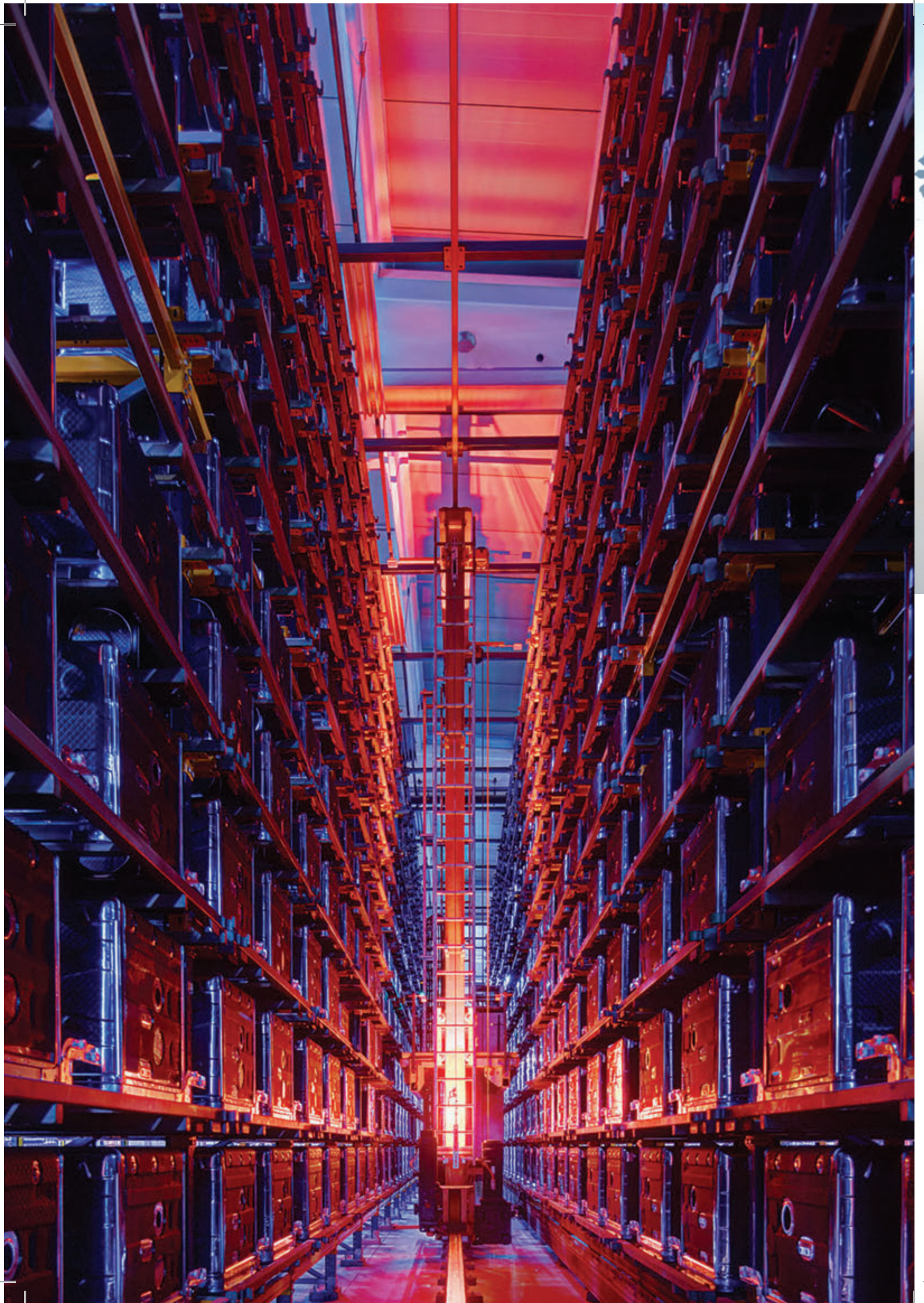
The total R&D investment exceeds 90 million US dollars.

Vestel has proven its success in product design by receiving the most prestigious design awards every year from well-known industrial design organisations 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 155 countries.

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









## GLOBAL OPERATIONS



### Manufacturing & Assembly Plants

LED TV, HD, IP/OTT, PVR 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, The UK

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, UK

Shanghai, China



## STANDARD FEATURES



Luminaire 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)



Luminaire 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.

INDOOR LIGHTING







## DOWNLIGHT

### Aluminium Diffused Downlight 6"



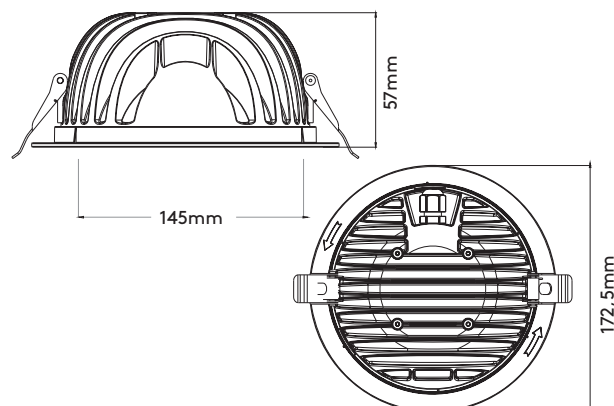
#### OPTICAL AND ELECTRICAL

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	35.000 Hours		
IP Rating	IP20		

#### MECHANICAL

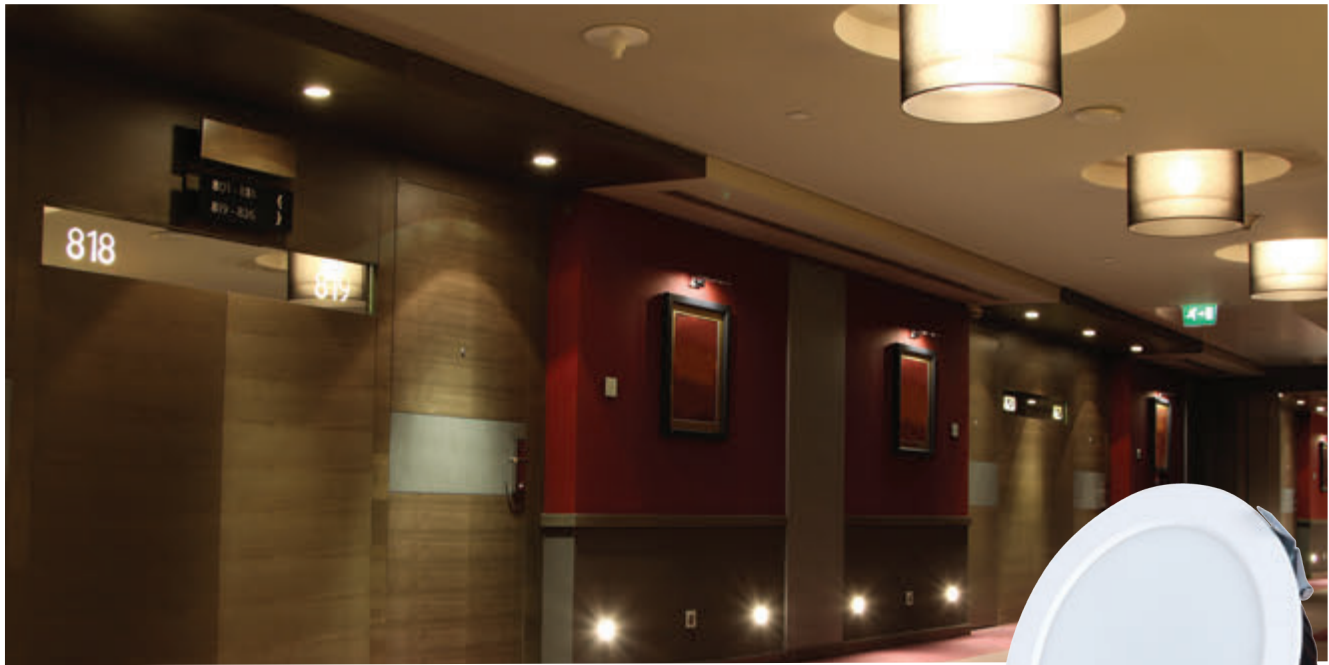
Operating Temperature	0°C – +40°C
Dimensions (LxWxH)	Ø172,5 x 57 mm
Product Weight	0,71 kg
Mounting Options	Recessed

#### Dimensions



#### Light Curve





## DOWNLIGHT

### Aluminium Diffused Downlight 8"



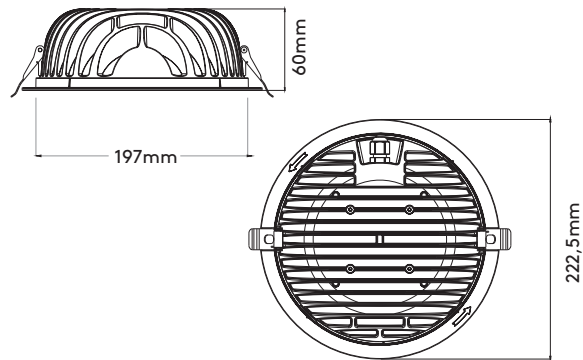
#### OPTICAL AND ELECTRICAL

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	35.000 Hours		
IP Rating	IP20		

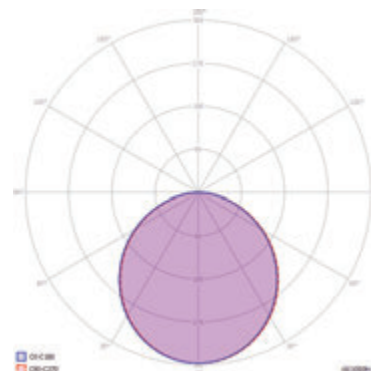
#### MECHANICAL

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

#### Dimensions



#### Light Curve







## DOWNLIGHT

### Wall Light 6"



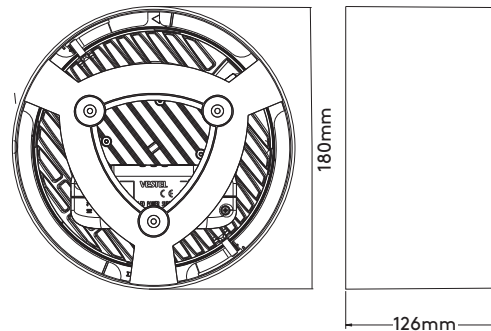
#### OPTICAL AND ELECTRICAL

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	35.000 Hours		
IP Rating	IP20		

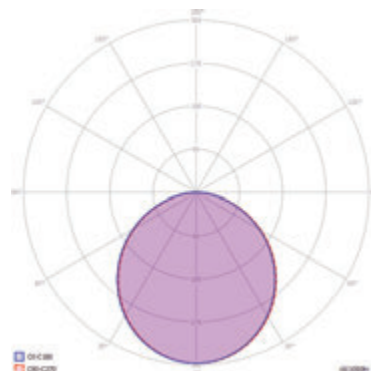
#### MECHANICAL

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

#### Dimensions



#### Light Curve





## DOWNLIGHT

### Wall Light 8"



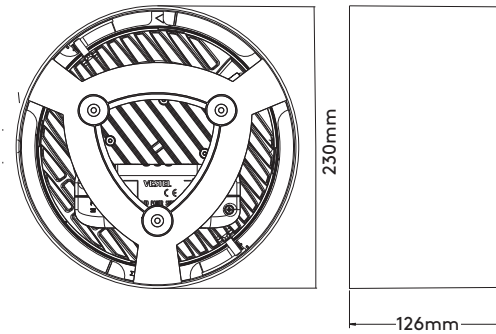
#### OPTICAL AND ELECTRICAL

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	35.000 Hours		
IP Rating	IP20		

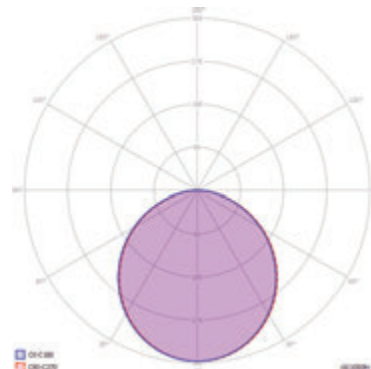
#### MECHANICAL

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

#### Dimensions



#### Light Curve







## PANEL LIGHT

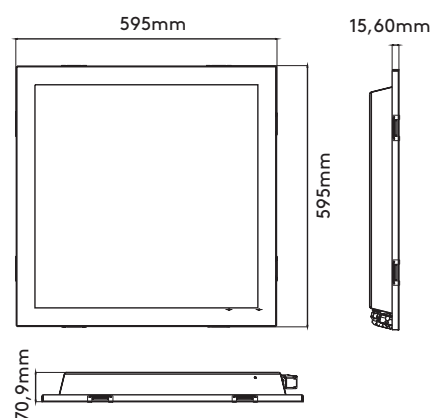
### 60x60 - 22 W



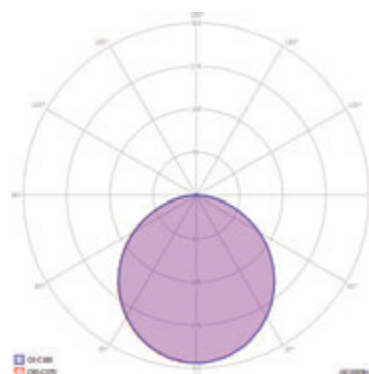
#### OPTICAL AND ELECTRICAL

Power	22 W		
Colour Temperature	3000 K	4000 K	6500 K
Lumen Output	2650 lm		
Efficacy	120 lm/W		
CRI	>80		
Beam Angle	110°		
Dimming	Optional		
Emergency Kit	Optional		
Life Time	50.000 Hours		
IP Rating	IP20		

#### Dimensions



#### Light Curve



#### 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 differ based on mounting options.



## PANEL LIGHT

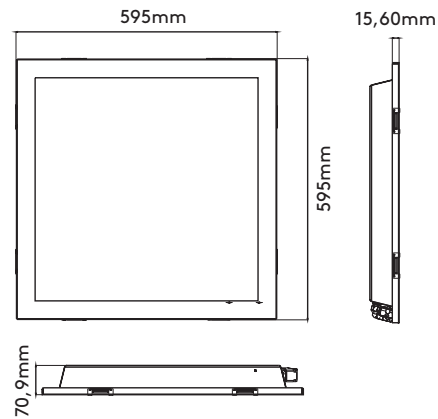
60x60 - 27 W



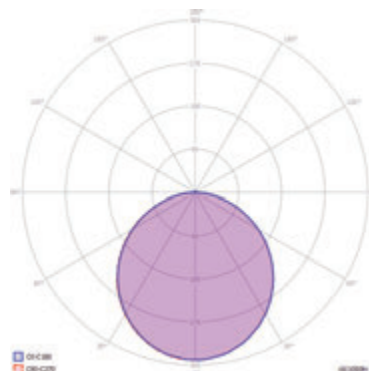
### OPTICAL AND ELECTRICAL

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	50.000 Hours		
IP Rating	IP20		

### Dimensions



### Light Curve



### 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 differ based on mounting options.





## PANEL LIGHT

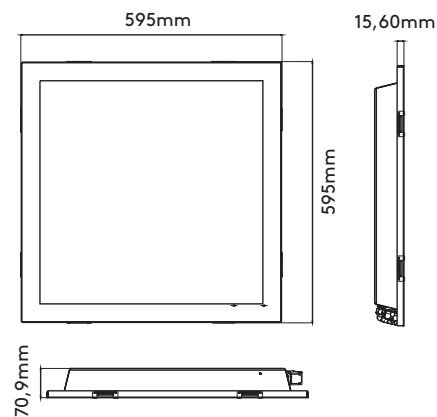
60x60 - 32 W



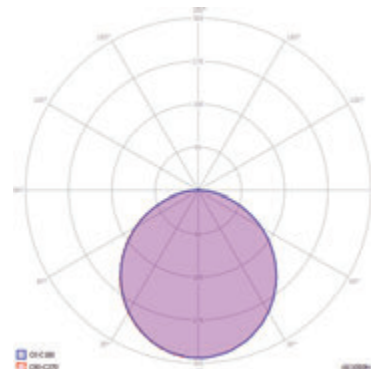
### OPTICAL AND ELECTRICAL

Power	32 W		
Colour Temperature	3000 K	4000 K	6500 K
Lumen Output	4000 lm		
Efficacy	125 lm/W		
CRI	>80		
Beam Angle	110°		
Dimming	Optional		
Emergency Kit	Optional		
Life Time	50.000 Hours		
IP Rating	IP20		

### Dimensions



### Light Curve



### 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 differ based on mounting options.



## PANEL LIGHT

### 30x120



#### OPTICAL AND ELECTRICAL

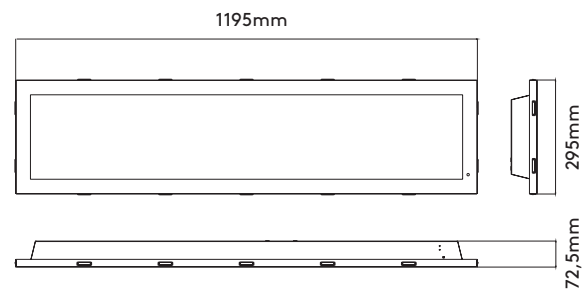
Power	26 W		
Colour Temperature	3000 K	4000 K	6500 K
Lumen Output	3200 lm		
Efficacy	120 lm/W		
CRI	>80		
Beam Angle	110°		
Dimming	Optional		
Emergency Kit	Optional		
Life Time	50.000 Hours		
IP Rating	IP20		

#### MECHANICAL

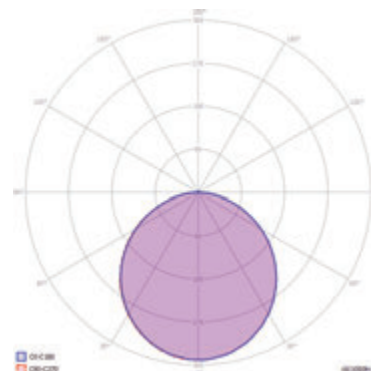
Operating Temperature	0°C – +40°C
Dimensions (LxWxH)	1195 x 295 x 72,5 mm*
Product Weight	5,1 kg
Mounting Options	T-bar, Clip-in, Plaster

\* Dimensions differ based on mounting options.

#### Dimensions



#### Light Curve







## PANEL LIGHT

### 60x120



#### OPTICAL AND ELECTRICAL

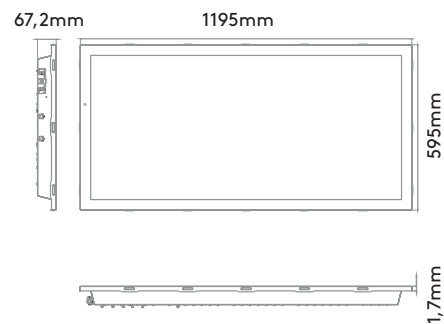
Power	45 W		
Colour Temperature	5400 lm		
Lumen Output	3000 K	4000 K	6500 K
Efficacy	>80		
CRI	120 lm/W		
Beam Angle	110°		
Dimming	Optional		
Emergency Kit	Optional		
Life Time	50.000 Hours		
IP Rating	IP20		

#### MECHANICAL

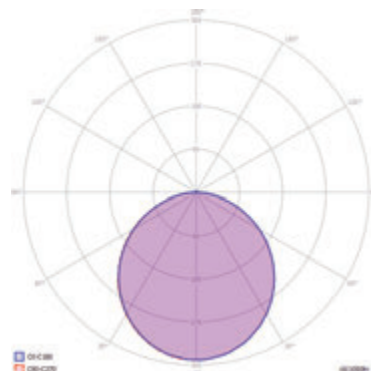
Operating Temperature	0°C – +40°C		
Dimensions (LxWxH)	1195 x 595 x 67,2 mm*		
Product Weight	9,5 kg		
Mounting Options	T-bar, Clip-in, Plaster		

\* Dimensions differ based on mounting options.

#### Dimensions



#### Light Curve





## 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		

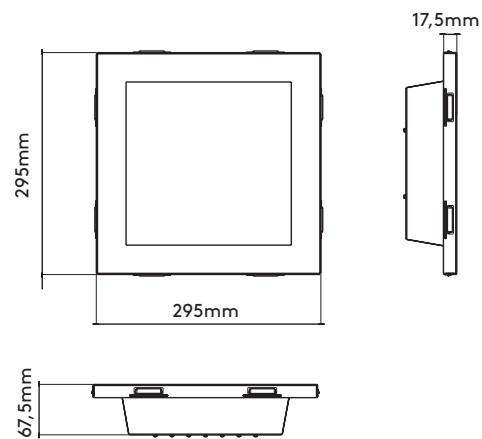
#### MECHANICAL

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

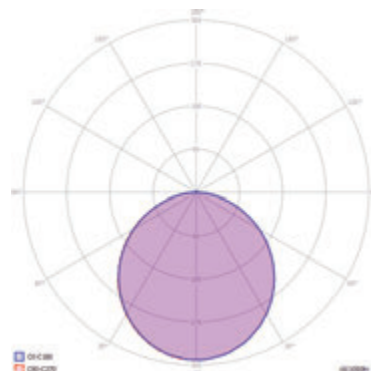
\* Dimensions differ based on mounting options.



#### Dimensions



#### Light Curve







## LINEAR LIGHT

### Diffused Linear Light 60 cm



#### OPTICAL AND ELECTRICAL

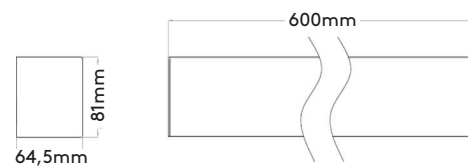
Power	13 W
Colour Temperature	4000 K
Lumen Output	1350 lm
Efficacy	104 lm/W
CRI	>80
Beam Angle	110°
Dimming	Optional
Emergency Kit	N/A
Life Time	50.000 Hours
IP Rating	IP20

#### MECHANICAL

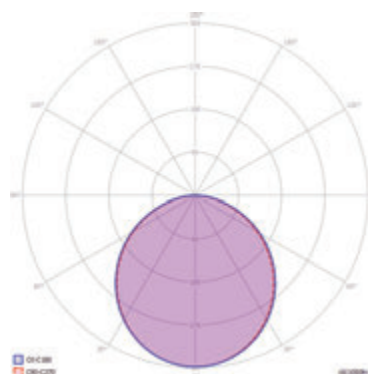
Operating Temperature	0°C - +40°C
Dimensions (LxWxH)	600 x 64,5 x 81 mm*
Product Weight	1,8 kg
Mounting Options	Suspended, Recessed, SMT

\* Dimensions differ based on mounting options.

#### Dimensions



#### Light Curve





## LINEAR LIGHT

### Diffused Linear Light 90 cm



#### OPTICAL AND ELECTRICAL

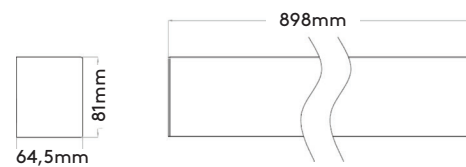
Power	18 W
Colour Temperature	4000 K
Lumen Output	2000 lm
Efficacy	106 lm/W
CRI	>80
Beam Angle	110°
Dimming	Optional
Emergency Kit	N/A
Life Time	50.000 Hours
IP Rating	IP20

#### MECHANICAL

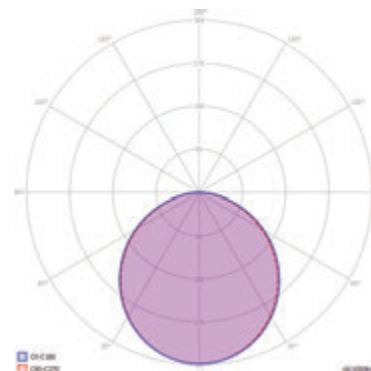
Operating Temperature	0°C – +40°C
Dimensions (LxWxH)	898 x 64,5 x 81 mm*
Product Weight	2,4 kg
Mounting Options	Suspended, Recessed, SMT

\* Dimensions differ based on mounting options.

#### Dimensions



#### Light Curve







## LINEAR LIGHT

### Diffused Linear Light 120 cm



#### OPTICAL AND ELECTRICAL

Power	26 W
Colour Temperature	4000 K
Lumen Output	2800 lm
Efficacy	107 lm/W
CRI	>80
Beam Angle	110°
Dimming	Optional
Emergency Kit	N/A
Life Time	50.000 Hours
IP Rating	IP20

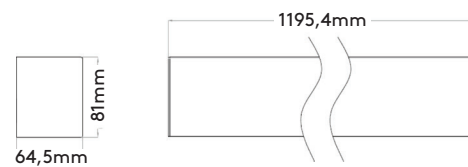


#### MECHANICAL

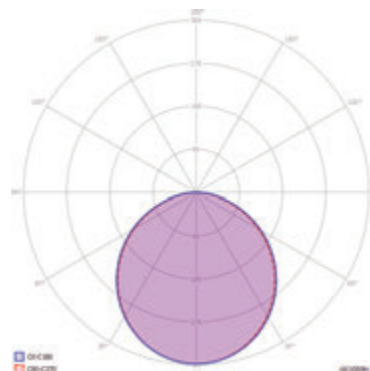
Operating Temperature	0°C – +40°C
Dimensions (LxWxH)	1195,4 x 64,5 x 81 mm
Product Weight	3 kg
Mounting Options	Suspended, Recessed, SMT

\* Dimensions differ based on mounting options.

#### Dimensions



#### Light Curve





## LINEAR LIGHT

### Diffused Linear Light 150 cm



#### OPTICAL AND ELECTRICAL

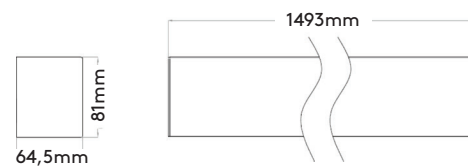
Power	46 W
Colour Temperature	4000 K
Lumen Output	5300 lm
Efficacy	115 lm/W
CRI	>80
Beam Angle	110°
Dimming	Optional
Emergency Kit	N/A
Life Time	50.000 Hours
IP Rating	IP20

#### MECHANICAL

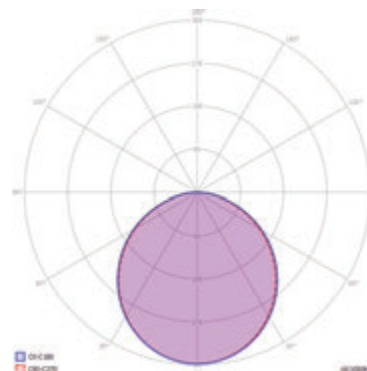
Operating Temperature	0°C – +40°C
Dimensions (LxWxH)	1493 x 64,5 x 81 mm
Product Weight	3,3 kg
Mounting Options	Suspended, Recessed, SMT

\* Dimensions differ based on mounting options.

#### Dimensions



#### Light Curve







# TRACKLIGHT

## V2 - 20 W



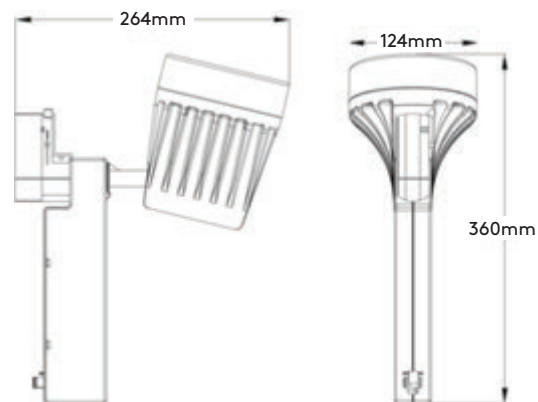
### OPTICAL AND ELECTRICAL

<b>Power</b>	20 W	
<b>Colour Temperature</b>	3000 K	4000 K
<b>Lumen Output</b>	2000 lm	2100 lm
<b>Efficacy</b>	100 lm/W	105 lm/W
<b>CRI</b>	>80 (>90 Optional)	
<b>Beam Angle</b>	20°/36°	
<b>Dimming</b>	N/A	
<b>Emergency Kit</b>	N/A	
<b>Life Time</b>	50.000 Hours	
<b>IP Rating</b>	IP22	

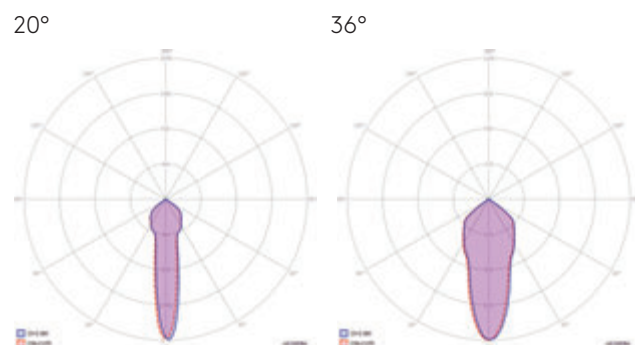
### MECHANICAL

<b>Operating Temperature</b>	0°C – +40°C
<b>Dimensions (LxWxH)</b>	360 x 124 x 264 mm
<b>Product Weight</b>	1,15 kg
<b>Mounting Options</b>	Track Mounted

### Dimensions



### Light Curve





## TRACKLIGHT V2 - 28 W



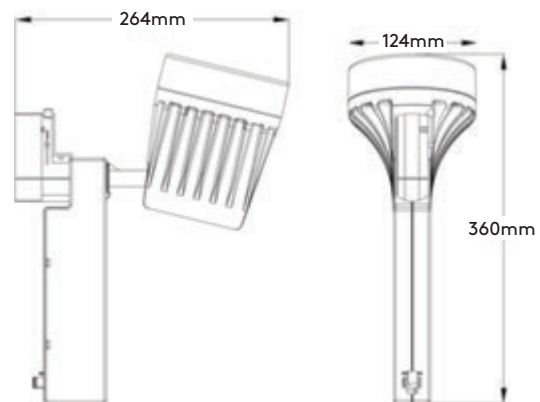
### OPTICAL AND ELECTRICAL

Power	28 W	
Colour Temperature	3000 K	4000 K
Lumen Output	2900 lm	3000 lm
Efficacy	103 lm/W	107 lm/W
CRI	>80 (>90 Optional)	
Beam Angle	20°/36°	
Dimming	N/A	
Emergency Kit	N/A	
Life Time	50.000 Hours	
IP Rating	IP22	

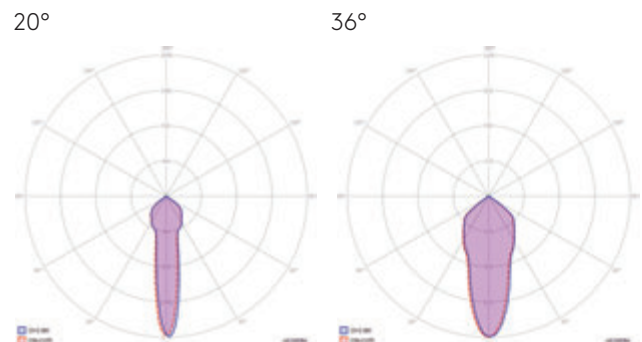
### MECHANICAL

Operating Temperature	0°C - +40°C
Dimensions (LxWxH)	360 x 124 x 264 mm
Product Weight	1,15 kg
Mounting Options	Track Mounted

### Dimensions



### Light Curve







# TRACKLIGHT

## V4 - 20 W



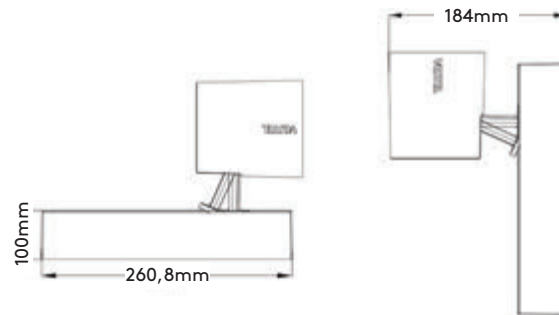
### OPTICAL AND ELECTRICAL

Power	20 W	
Colour Temperature	3000 K	4000 K
Lumen Output	2000 lm	2100 lm
Efficacy	100 lm/W	105 lm/W
CRI	>80 (>90 Optional)	
Beam Angle	20°/35°/50°	
Dimming	N/A	
Emergency Kit	N/A	
Life Time	50.000 Hours	
IP Rating	IP22	

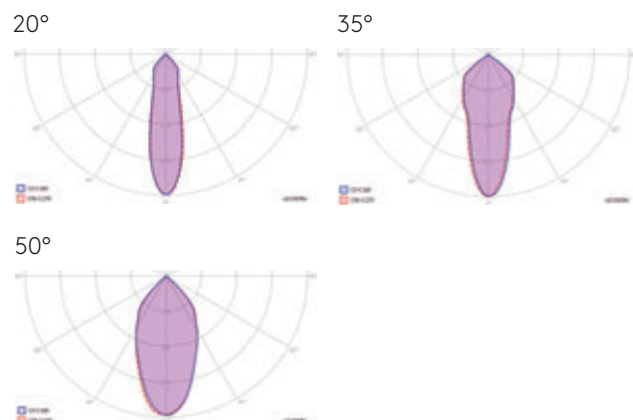
### MECHANICAL

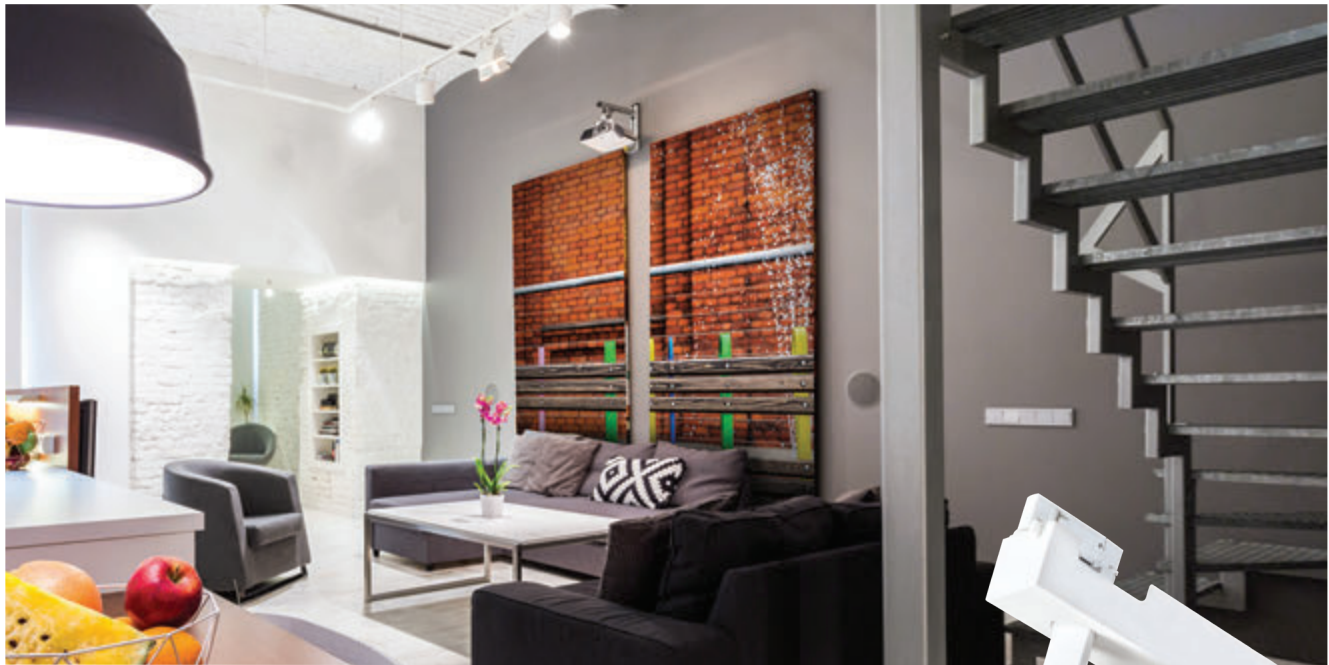
Operating Temperature	0°C – +40°C
Dimensions (LxWxH)	260,8 x 100 x 184 mm
Product Weight	1,07 kg
Mounting Options	Track Mounted

### Dimensions



### Light Curve





## TRACKLIGHT

### V4 - 28 W



#### OPTICAL AND ELECTRICAL

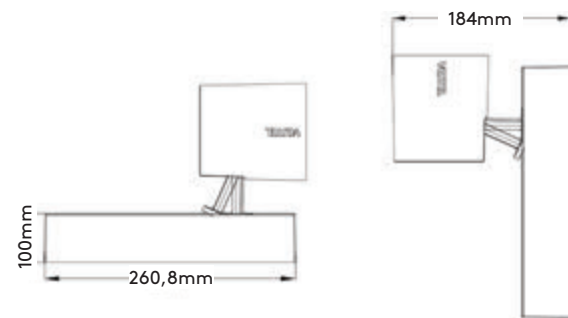
Power	28 W	
Colour Temperature	3000 K	4000 K
Lumen Output	2900 lm	3000 lm
Efficacy	103 lm/W	107 lm/W
CRI	>80 (>90 Optional)	
Beam Angle	20°/35°/50°	
Dimming	N/A	
Emergency Kit	N/A	
Life Time	50.000 Hours	
IP Rating	IP22	



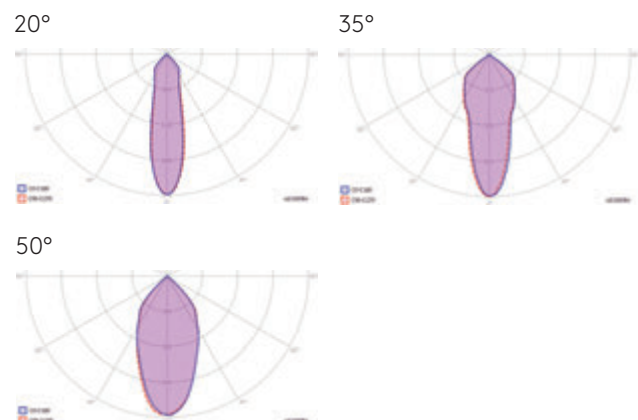
#### MECHANICAL

Operating Temperature	0°C - +40°C
Dimensions (LxWxH)	260,8 x 100 x 184 mm
Product Weight	1,07 kg
Mounting Options	Track Mounted

#### Dimensions



#### Light Curve







# TRACKLIGHT

## V4 - 32 W



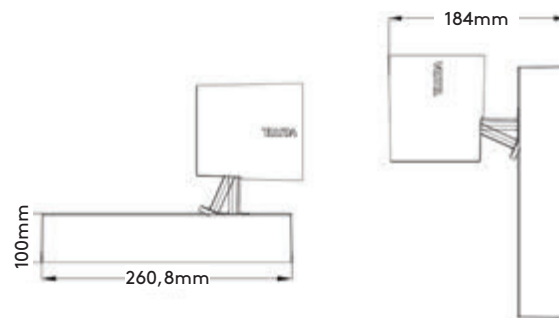
### OPTICAL AND ELECTRICAL

Power	32 W
Colour Temperature	4000 K
Lumen Output	3600 lm
Efficacy	112 lm/W
CRI	>80 (>90 Optional)
Beam Angle	20°/35°/50°
Dimming	N/A
Emergency Kit	N/A
Life Time	50.000 Hours
IP Rating	IP22

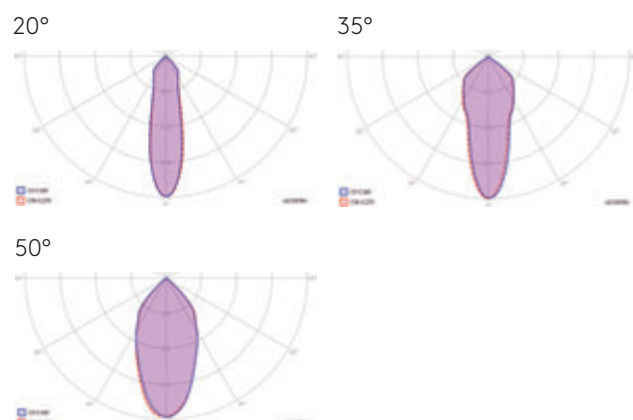
### MECHANICAL

Operating Temperature	0°C - +40°C
Dimensions (LxWxH)	260,8 x 100 x 184 mm
Product Weight	1,07 kg
Mounting Options	Track Mounted

### Dimensions



### Light Curve





# GRID LIGHT 1M



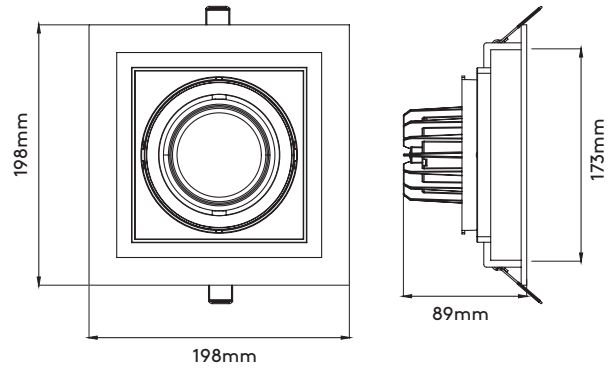
## OPTICAL AND ELECTRICAL

Power	14 W		
Colour Temperature	3000 K	4000 K	6500 K
Lumen Output	1250 lm	1400 lm	
Efficacy	90 lm/W	100 lm/W	
CRI	>80		
Beam Angle	35°		
Dimming	Optional		
Emergency Kit	N/A		
Life Time	35.000 Hours		
IP Rating	IP20		

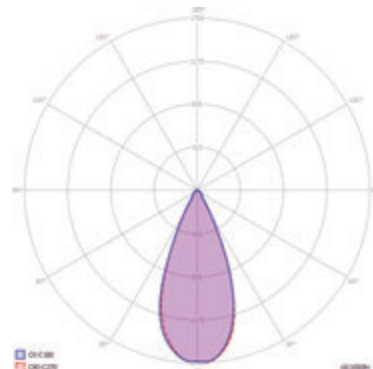
## MECHANICAL

Operating Temperature	0°C – +40°C
Dimensions (LxWxH)	198 x 198 x 89 mm
Product Weight	1,2 kg
Mounting Options	Recessed

## Dimensions



## Light Curve







## GRID LIGHT 2M



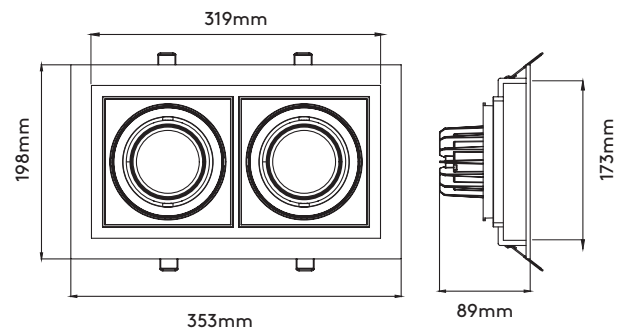
### OPTICAL AND ELECTRICAL

Power	26 W		
Colour Temperature	3000 K	4000 K	6500 K
Lumen Output	2450 lm	2600 lm	
Efficacy	94 lm/W	100 lm/W	
CRI	>80		
Beam Angle	35°		
Dimming	Optional		
Emergency Kit	N/A		
Life Time	35.000 Hours		
IP Rating	IP20		

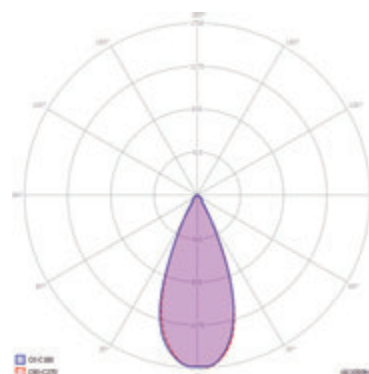
### MECHANICAL

Operating Temperature	0°C – +40°C
Dimensions (LxWxH)	353 x 198 x 89 mm
Product Weight	2,15 kg
Mounting Options	Recessed

### Dimensions



### Light Curve





## GRID LIGHT 3M



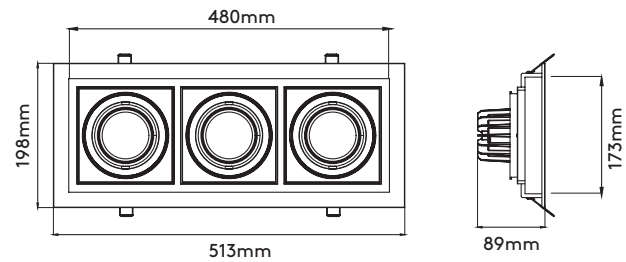
### OPTICAL AND ELECTRICAL

Power	38 W		
Colour Temperature	3000 K	4000 K	6500 K
Lumen Output	3700 lm	3800 lm	
Efficacy	97 lm/W	100 lm/W	
CRI	>80		
Beam Angle	35°		
Dimming	Optional		
Emergency Kit	N/A		
Life Time	35.000 Hours		
IP Rating	IP20		

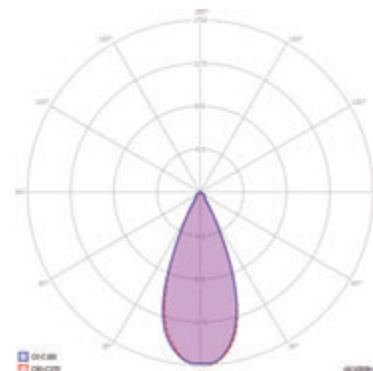
### MECHANICAL

Operating Temperature	0°C – +40°C
Dimensions (LxWxH)	513 x 198 x 89 mm
Product Weight	2,7 kg
Mounting Options	Recessed

### Dimensions



### Light Curve







## BATTEN

IP20-120 cm



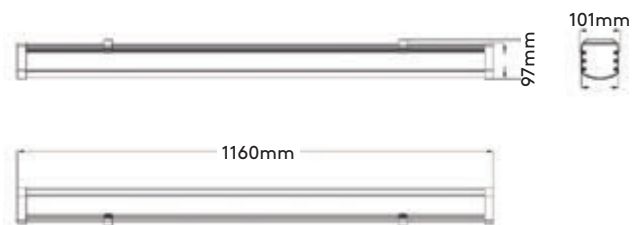
### OPTICAL AND ELECTRICAL

Power	19 W
Colour Temperature	4000 K
Lumen Output	2500 lm
Efficacy	132 lm/W
CRI	>80
Beam Angle	100°
Dimming	Optional
Emergency Kit	Optional
Life Time	50.000
IP Rating	IP20

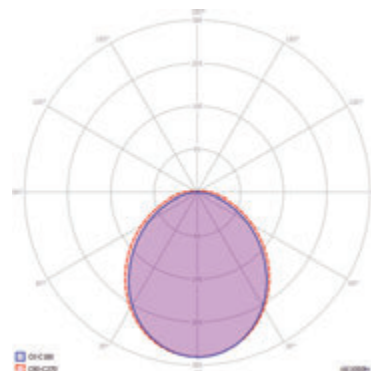
### MECHANICAL

Operating Temperature	-40°C – +40°C
Dimensions (LxWxH)	1160 x 101 x 97 mm
Product Weight	3,7 kg
Mounting Options	Surface Mounted

### Dimensions



### Light Curve





## BATTEN

Weather Proof - 90 cm - 16 W



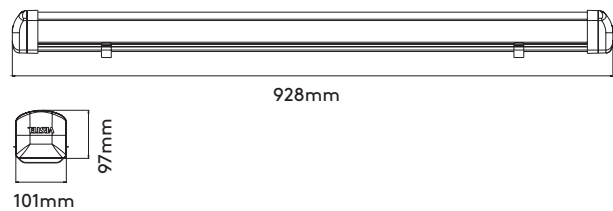
### OPTICAL AND ELECTRICAL

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	50.000 Hours
IP Rating	IP65

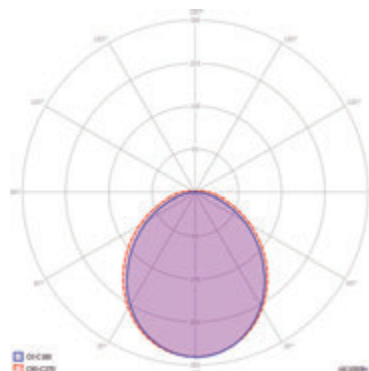
### MECHANICAL

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

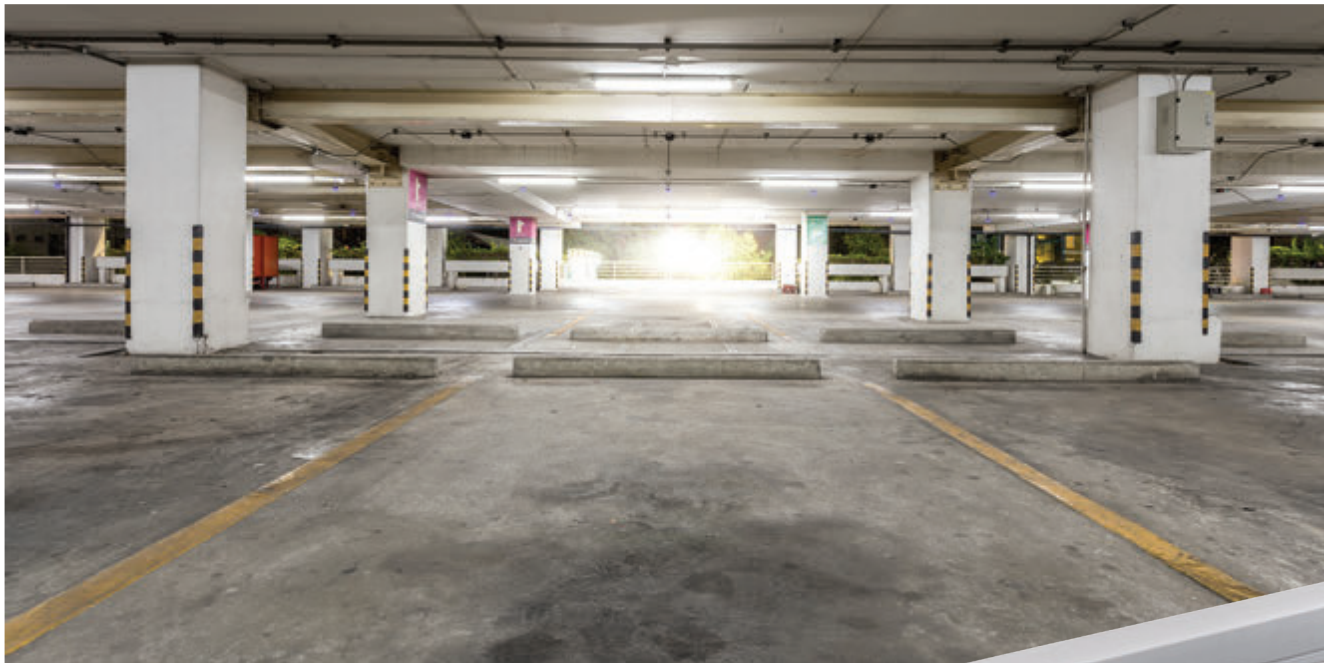
### Dimensions



### Light Curve







## BATTEN

Weather Proof - 120 cm - 23 W

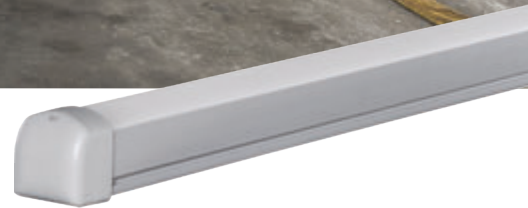


### OPTICAL AND ELECTRICAL

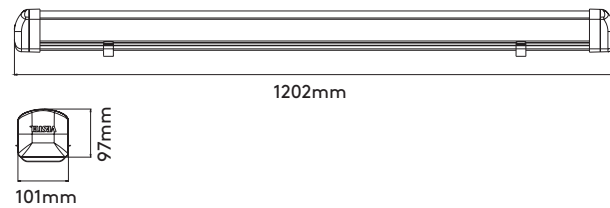
Power	23 W
Colour Temperature	4000 K
Lumen Output	3100 lm
Efficacy	135 lm/W
CRI	>80
Beam Angle	100°
Dimming	Optional
Emergency Kit	Optional
Life Time	50.000 Hours
IP Rating	IP65

### MECHANICAL

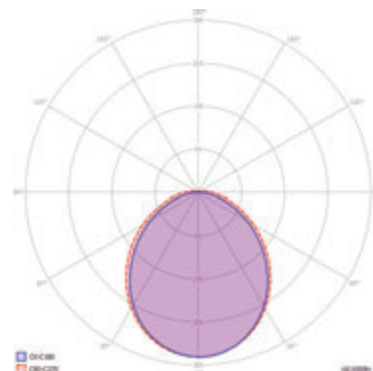
Operating Temperature	-40°C – +40°C
Dimensions (LxWxH)	1202 x 101 x 97 mm
Product Weight	3,8 kg
Mounting Options	Surface Mounted

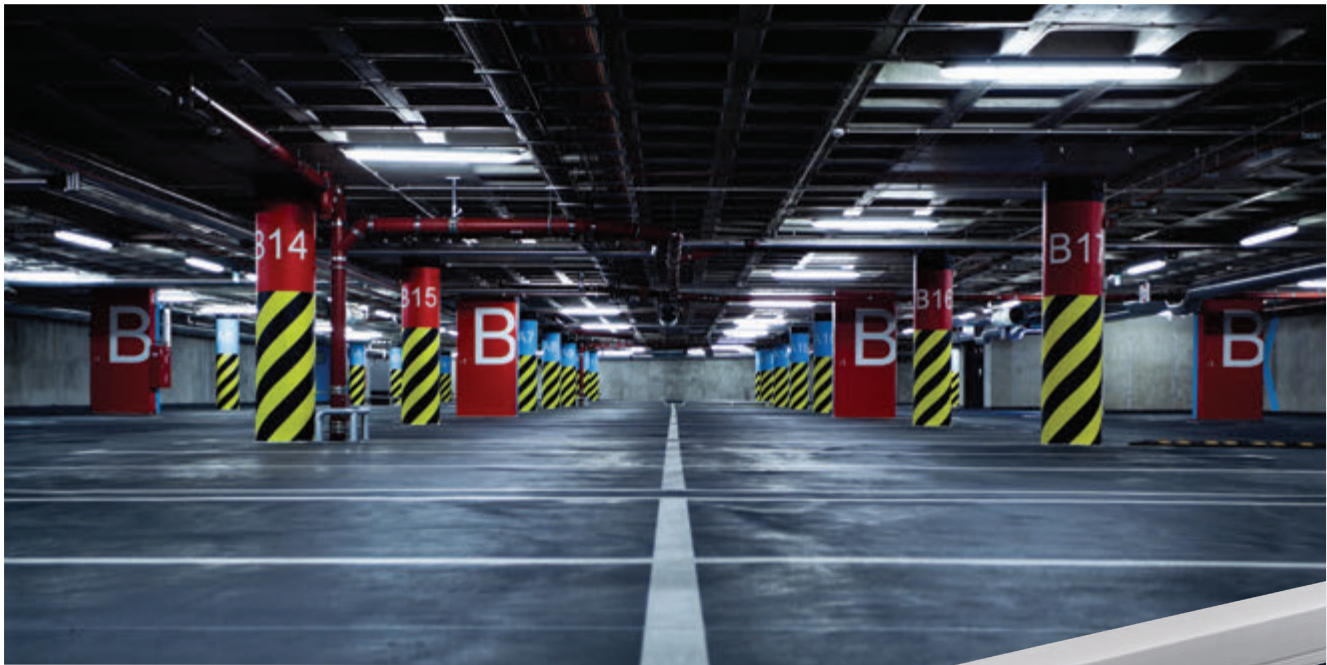


### Dimensions



### Light Curve





## BATTEN

Weather Proof - 120 cm - 33 W



### OPTICAL AND ELECTRICAL

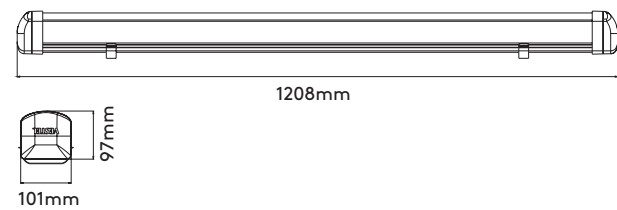
Power	33 W
Colour Temperature	4000 K
Lumen Output	4300 lm
Efficacy	130 lm/W
CRI	>80
Beam Angle	100°
Dimming	Optional
Emergency Kit	Optional
Life Time	50.000 Hours
IP Rating	IP65



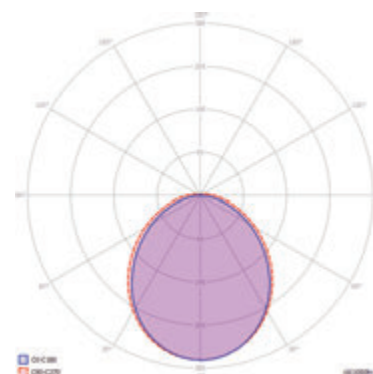
### MECHANICAL

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

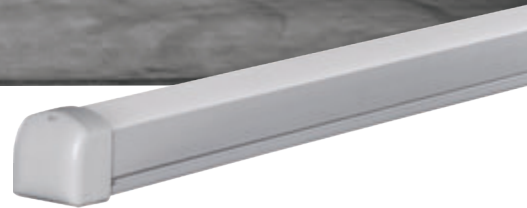
### Dimensions



### Light Curve







## BATTEN

Weather Proof - 150 cm - 29 W



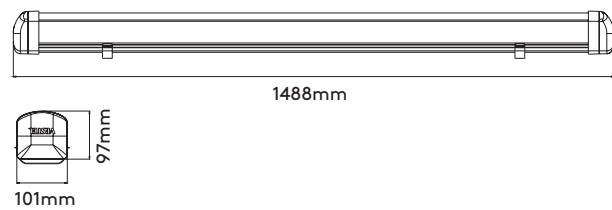
### OPTICAL AND ELECTRICAL

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	50.000 Hours
IP Rating	IP65

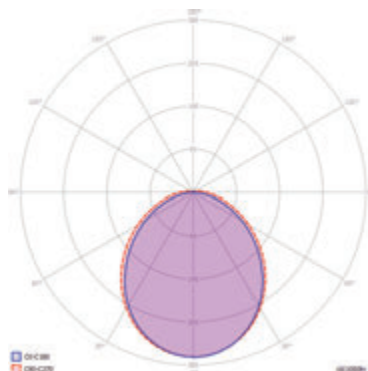
### MECHANICAL

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

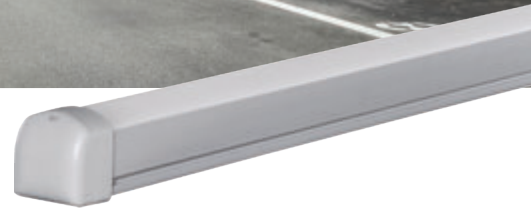
### Dimensions



### Light Curve



\* Dimensions differ based on mounting options.



## BATTEN

Weather Proof - 150 cm - 34 W



### OPTICAL AND ELECTRICAL

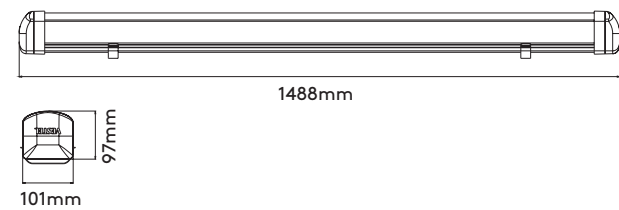
Power	34 W
Colour Temperature	4000 K
Lumen Output	4500 lm
Efficacy	132 lm/W
CRI	>80
Beam Angle	100°
Dimming	Optional
Emergency Kit	Optional
Life Time	50.000 Hours
IP Rating	IP65

### MECHANICAL

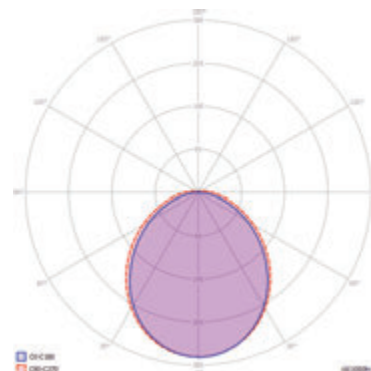
Operating Temperature	-40°C - +40°C
Dimensions (LxWxH)	1488 x 101 x 97 mm
Product Weight	4,5 kg
Mounting Options	Surface Mounted

\* Dimensions differ based on mounting options.

### Dimensions



### Light Curve







## BATTEN

Weather Proof - 150 cm - 47 W



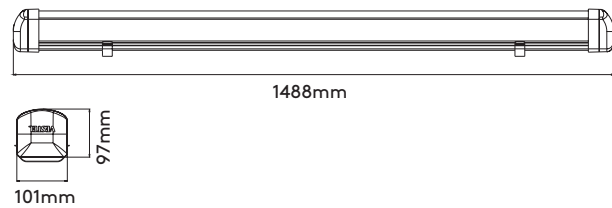
### OPTICAL AND ELECTRICAL

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	50.000 Hours
IP Rating	IP65

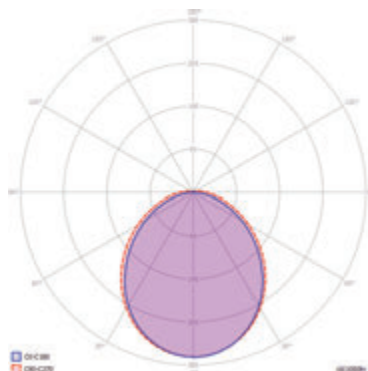
### MECHANICAL

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



\* Dimensions differ based on mounting options.



## MID BAY



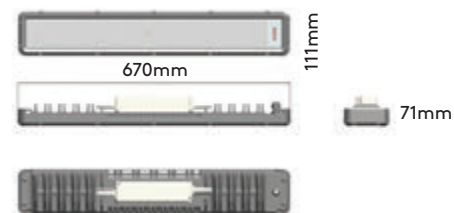
### OPTICAL AND ELECTRICAL

Power	65 W		
Colour Temperature	4000 K	5000 K	6500 K
Lumen Output	8000 lm		
Efficacy	123 lm/W		
CRI	>70 (>80 Optional)		
Beam Angle	65°/78°/95°/110°/asym		
Dimming	Optional		
Emergency Kit	N/A		
Life Time	60.000 Hours		
IP Rating	IP65		

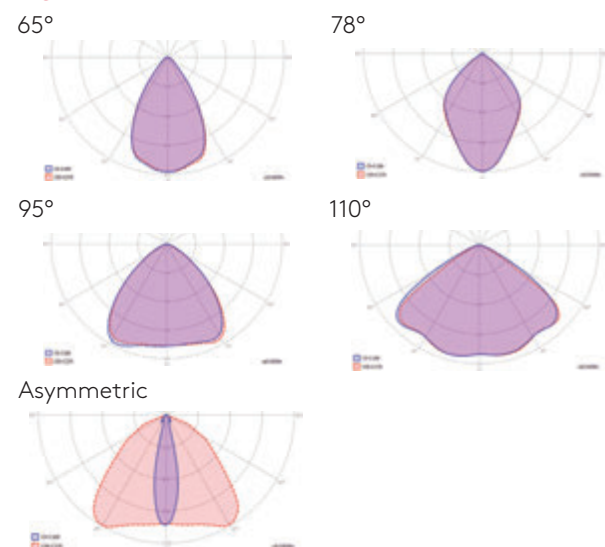
### MECHANICAL

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

### Dimensions



### Light Curve





## HIGH BAY V2 - 73 W



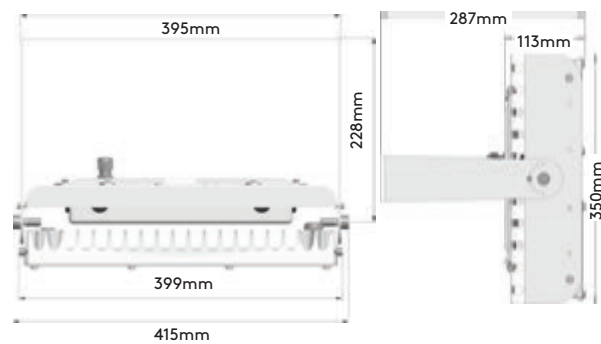
### OPTICAL AND ELECTRICAL

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	100.000 Hours		
IP Rating	IP66		

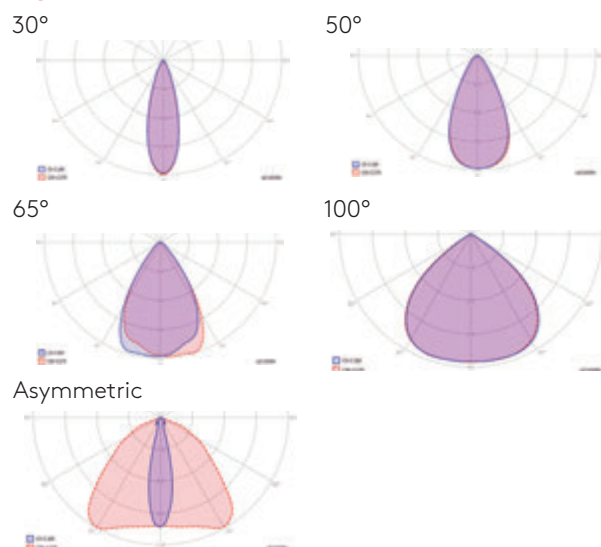
### MECHANICAL

Operating Temperature	-40°C – +40°C
Dimensions (LxWxH)	415 x 350 x 113/287 mm
Product Weight	9,2 kg
Mounting Options	U-bracket, Pendant

### Dimensions



### Light Curve







## HIGH BAY

### V2 - 108 W



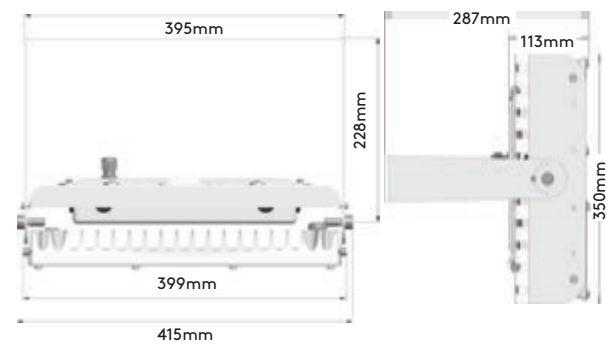
#### OPTICAL AND ELECTRICAL

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	100.000 Hours		
IP Rating	IP66		

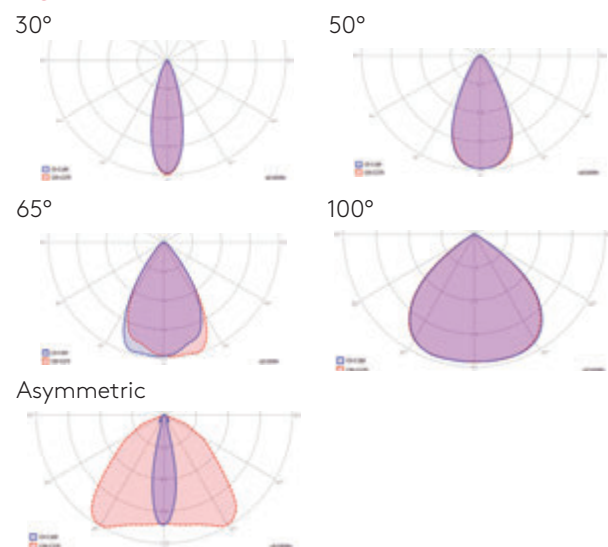
#### MECHANICAL

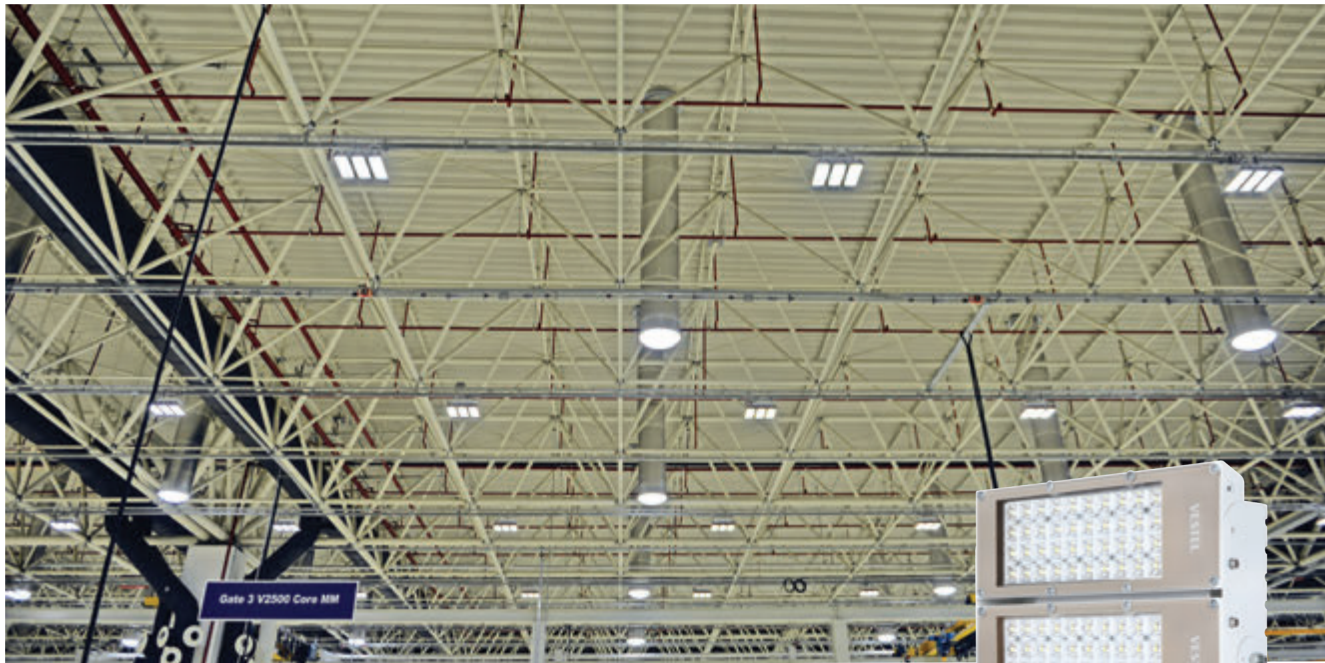
Operating Temperature	-40°C – +40°C
Dimensions (LxWxH)	415 x 350 x 113/287 mm
Product Weight	9,2 kg
Mounting Options	U-bracket, Pendant

#### Dimensions



#### Light Curve





## HIGH BAY

### V2 - 147 W



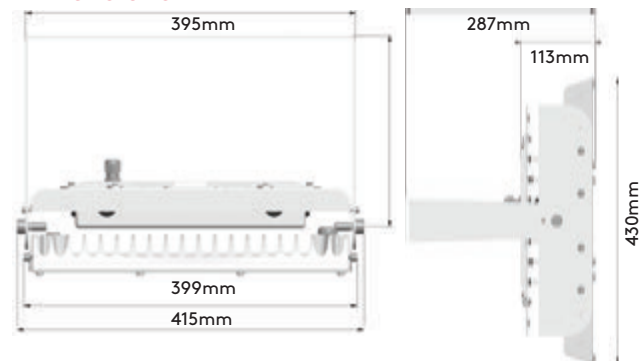
#### OPTICAL AND ELECTRICAL

Power	147 W		
Colour Temperature	4000 K	5000 K	6500 K
Lumen Output	21.000 lm		
Efficacy	142 lm/W		
CRI	>70 (>80 Optional)		
Beam Angle	30°/50°/65°/100°/asym		
Dimming	Optional		
Emergency Kit	N/A		
Life Time	100.000 Hours		
IP Rating	IP66		

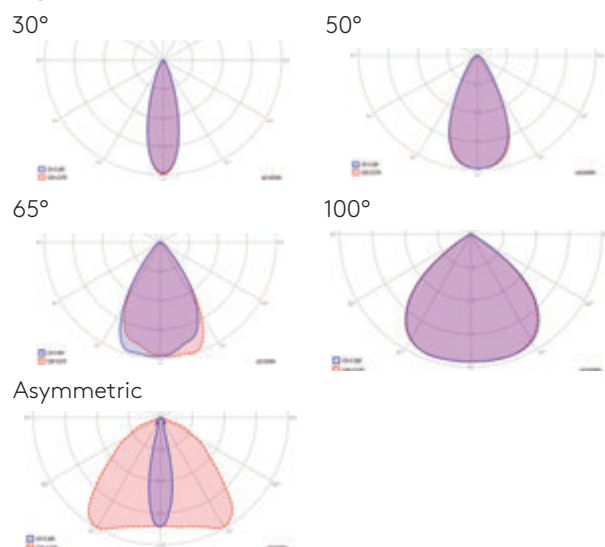
#### MECHANICAL

Operating Temperature	-40°C – +40°C		
Dimensions (LxWxH)	415 x 430 x 113/287 mm		
Product Weight	11,5 kg		
Mounting Options	U-bracket, Pendant		

#### Dimensions



#### Light Curve







## HIGH BAY

### Round - 124 W



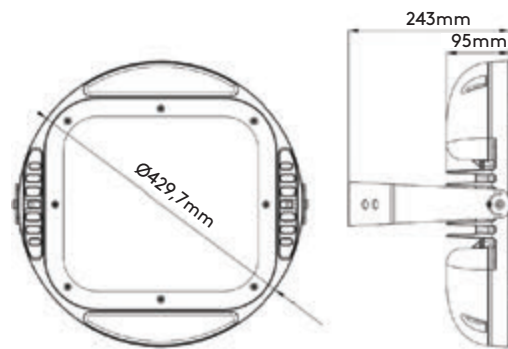
#### OPTICAL AND ELECTRICAL

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

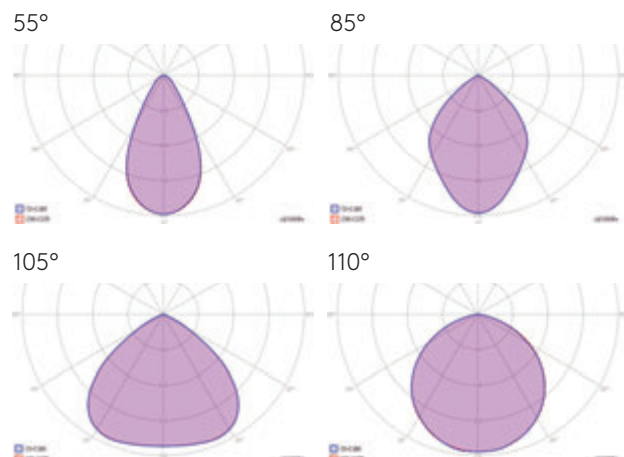
#### MECHANICAL

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







## HIGH BAY

### Round - 168 W



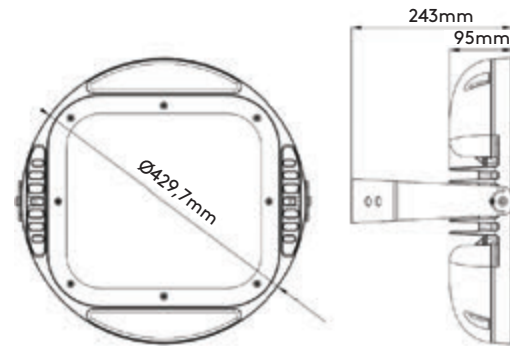
#### OPTICAL AND ELECTRICAL

Power	168 W
Colour Temperature	4000 K
Lumen Output	21.000 lm
Efficacy	125 lm/W
CRI	>80
Beam Angle	55°/85°/105°/110°
LED Type	High Power/Mid Power
Dimming	Optional
Emergency Kit	N/A
Life Time	100.000 Hours
IP Rating	IP65

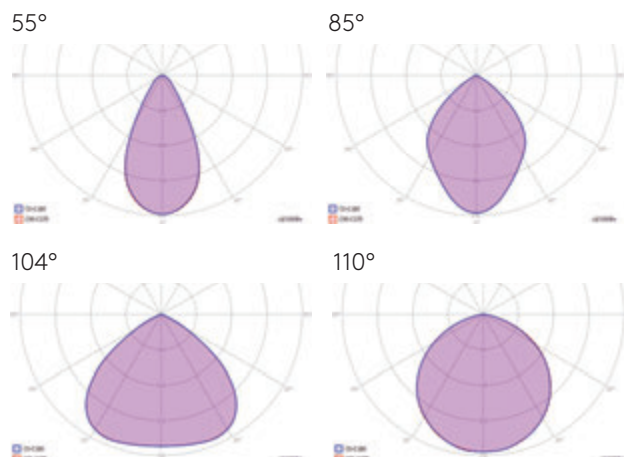
#### MECHANICAL

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





## HIGH BAY

### Round - 210 W



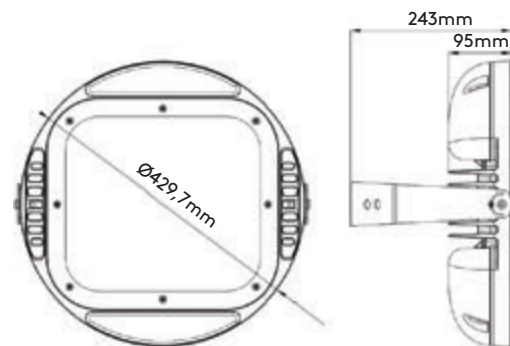
#### OPTICAL AND ELECTRICAL

Power	210 W
Colour Temperature	4000 K
Lumen Output	26.000 lm
Efficacy	124 lm/W
CRI	>80
Beam Angle	55°/85°/105°/110°
LED Type	High Power/Mid Power
Dimming	Optional
Emergency Kit	N/A
Life Time	100.000 Hours
IP Rating	IP65

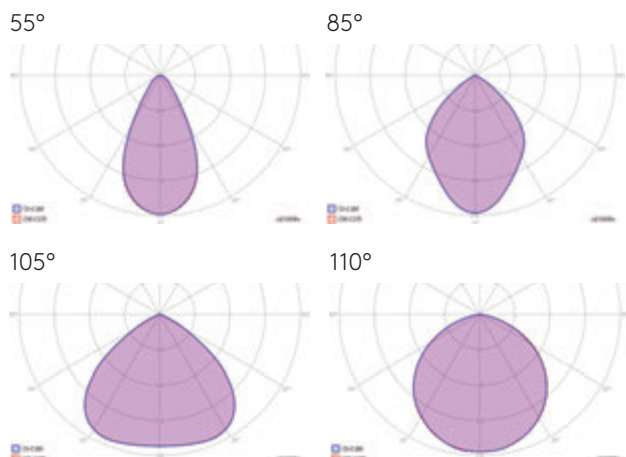
#### MECHANICAL

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





OUTDOOR LIGHTING







## WALL-WASHER

### 30 cm



#### OPTICAL AND ELECTRICAL

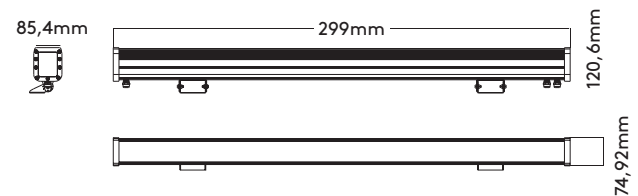
Power	19 W	18 W
Colour Temperature	RGB	2700 K
Lumen Output	900 lm	1700 lm
Efficacy	47 lm/W	94 lm/W
CRI	N/A	>80
Beam Angle	20°/40°	25°
Dimming	DMX Optional	N/A
Emergency Kit	N/A	
Life Time	50.000 Hours	
IP Rating	IP66	



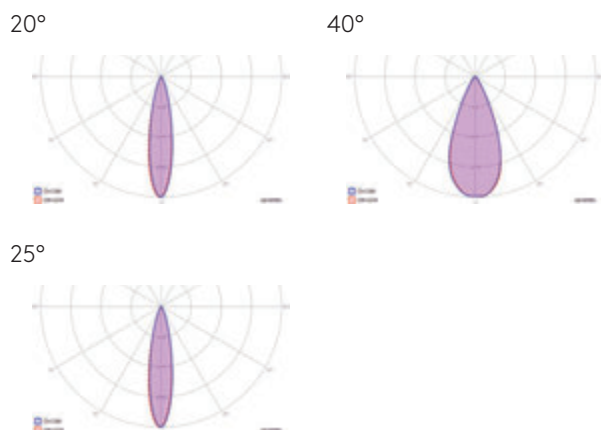
#### MECHANICAL

Operating Temperature	-30° – +50°
Dimensions (LxWxH)	299 x 85,4 x 120,6 mm
Product Weight	1,96 kg
Mounting Options	Hinged Bracket

#### Dimensions



#### Light Curve





## WALL-WASHER

60 cm



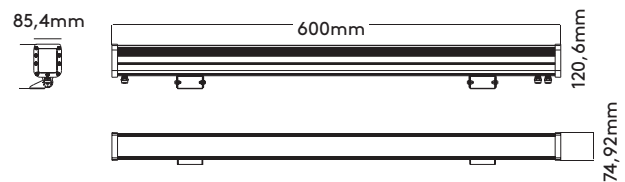
### OPTICAL AND ELECTRICAL

Power	34 W	36 W
Colour Temperature	RGB	2700 K
Lumen Output	1800 lm	3400 lm
Efficacy	53 lm/W	94 lm/W
CRI	N/A	>80
Beam Angle	20°/40°	25°
Dimming	DMX Optional	N/A
Emergency Kit	N/A	
Life Time	50.000 Hours	
IP Rating	IP66	

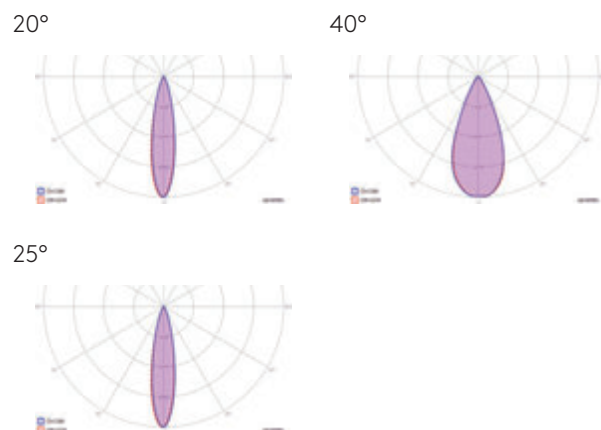
### MECHANICAL

Operating Temperature	-30° – +50°
Dimensions (LxWxH)	599 x 85,4 x 120,6 mm
Product Weight	3 kg
Mounting Options	Hinged Bracket

### Dimensions



### Light Curve







# WALL-WASHER

90 cm



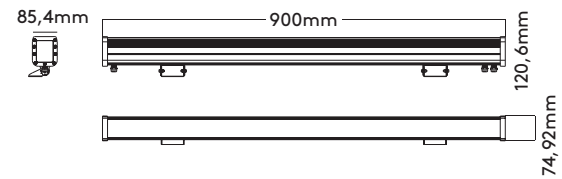
## OPTICAL AND ELECTRICAL

Power	48 W	54 W
Colour Temperature	RGB	2700 K
Lumen Output	2700 lm	5100 lm
Efficacy	56 lm/W	94 lm/W
CRI	N/A	>80
Beam Angle	20°/40°	25°
Dimming	DMX Optional	N/A
Emergency Kit	N/A	
Life Time	50.000 Hours	
IP Rating	IP66	

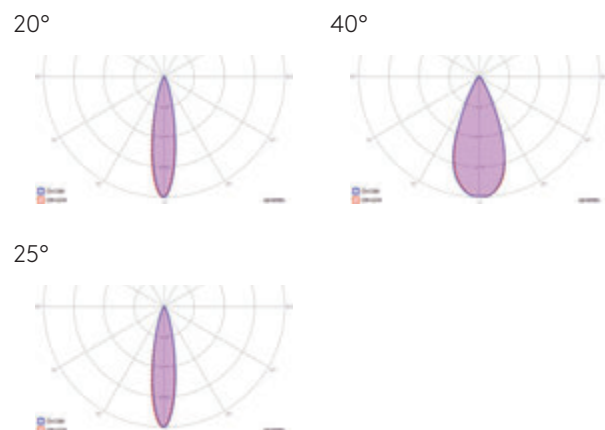
## MECHANICAL

Operating Temperature	-30° – +50°
Dimensions (LxWxH)	899 x 85,4 x 120,6 mm
Product Weight	3,95 kg
Mounting Options	Hinged Bracket

## Dimensions



## Light Curve





## WALL-WASHER

120 cm



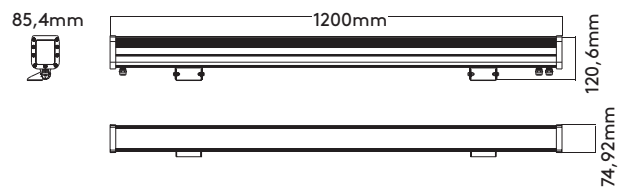
### OPTICAL AND ELECTRICAL

Power	65 W
Colour Temperature	RGB
Lumen Output	3700 lm
Efficacy	62 lm/W
CRI	N/A
Beam Angle	20°/40°
Dimming	DMX Optional
Emergency Kit	N/A
Life Time	50.000 Hours
IP Rating	IP66

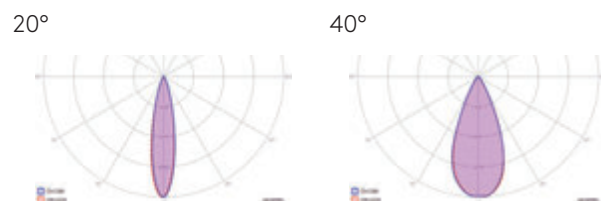
### MECHANICAL

Operating Temperature	-30° – +50°
Dimensions (LxWxH)	1199 x 85,4 x 120,6 mm
Product Weight	6,32 kg
Mounting Options	Hinged Bracket

### Dimensions



### Light Curve







## GARDEN POLE

### Light - 17 W



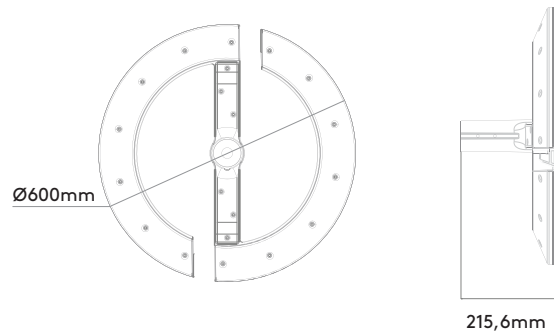
#### OPTICAL AND ELECTRICAL

Power	17 W		
Colour Temperature	3000 K	4000 K	6500 K
Lumen Output	1800 lm		
Efficacy	105 lm/W		
CRI	>80		
Beam Angle	100°		
Dimming	N/A		
Emergency Kit	N/A		
Life Time	50.000 Hours		
IP Rating	IP66		

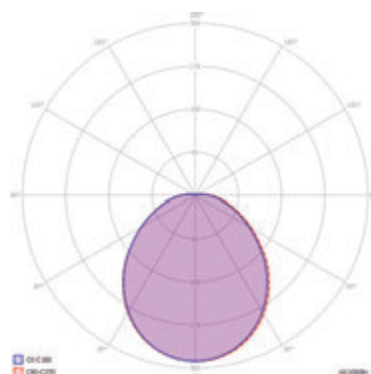
#### MECHANICAL

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





## GARDEN POLE

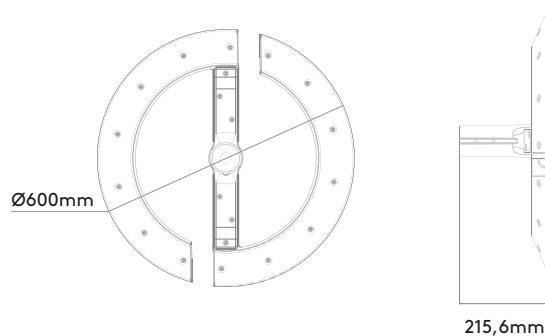
### Light - 29 W



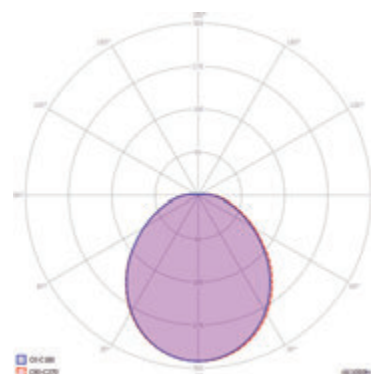
#### OPTICAL AND ELECTRICAL

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

#### Dimensions



#### Light Curve



#### MECHANICAL

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





## GARDEN POLE Light - 41 W



### OPTICAL AND ELECTRICAL

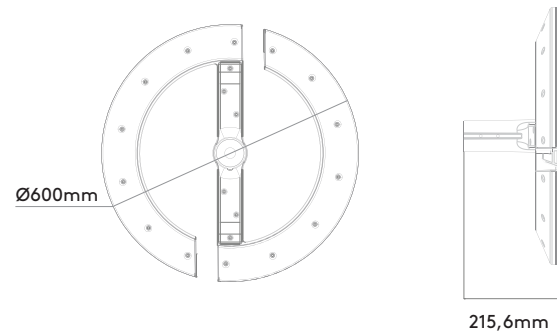
Power	41 W		
Colour Temperature	3000 K	4000 K	6500 K
Lumen Output	4100 lm		
Efficacy	100 lm/W		
CRI	>80		
Beam Angle	100°		
Dimming	N/A		
Emergency Kit	N/A		
Life Time	50.000 Hours		
IP Rating	IP66		



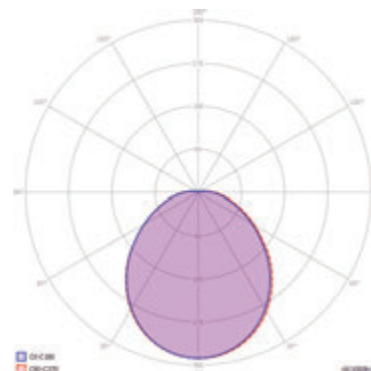
### MECHANICAL

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





## BOLLARD



### OPTICAL AND ELECTRICAL

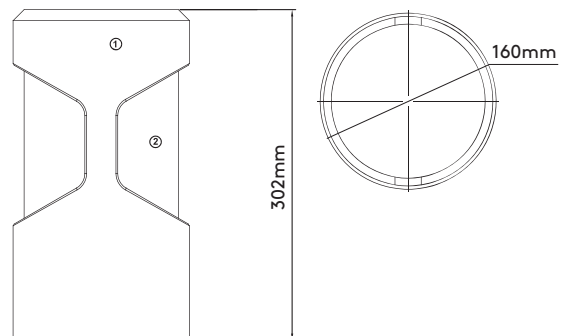
Power	7,5 W	
Colour Temperature	3000 K	4000 K
Lumen Output	350 lm	400 lm
Efficacy	46 lm/W	53 lm/W
CRI	>70	
Beam Angle	Asymmetric	
Dimming	N/A	
Emergency Kit	N/A	
Life Time	50.000 Hours	
IP Rating	IP65	



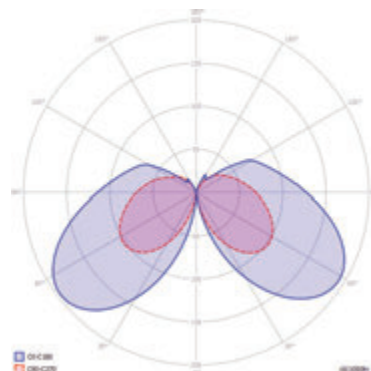
### MECHANICAL

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

### Dimensions



### Light Curve







## AREA LIGHT

### 420 W



#### OPTICAL AND ELECTRICAL

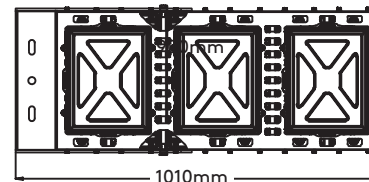
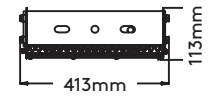
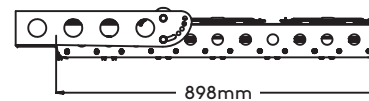
Power	420 W
Colour Temperature	4000 K
Lumen Output	52.000 lm
Efficacy	124 lm/W
CRI	>70
Beam Angle	16°/30°/50°/asym
Dimming	N/A
Emergency Kit	N/A
Life Time	50.000 Hours
IP Rating	IP66



#### MECHANICAL

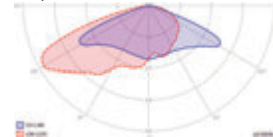
Operating Temperature	-40 °C – +40 °C
Dimensions (LxWxH)	1010/898 x 413 x 144 mm
Product Weight	33 kg
Mounting Options	U-Bracket

#### Dimensions



#### Light Curve

Asymmetric



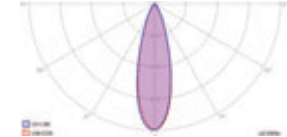
Asymmetric



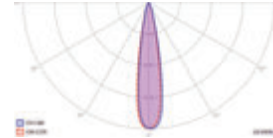
Asymmetric



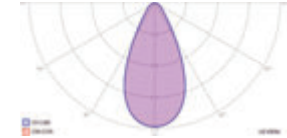
30°



16°



50°



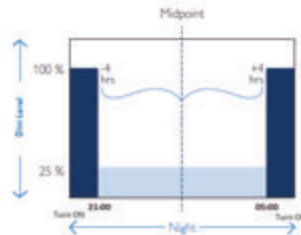


## 1. AUTODIMMER

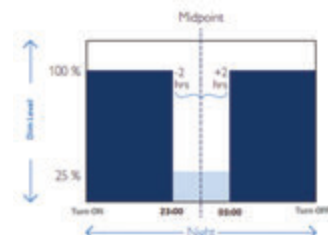
AutoDimmer is an external, stand alone dimming control device developed by Vestel that enables a simple, automatic dimming. AutoDimmer reduces the power consumption of outdoor LED luminaires in a variety of preset or custom scenarios. This stand-alone solution allows owners to operate a greener business,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

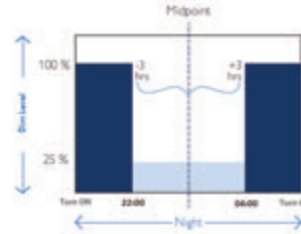
SAFE 50 MODE



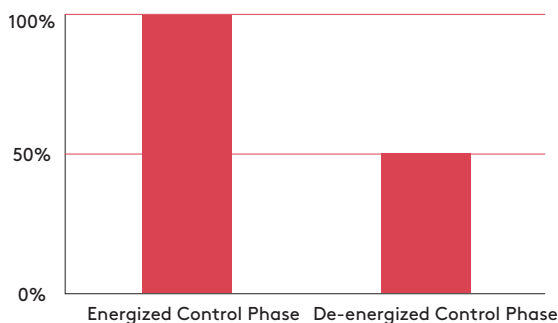
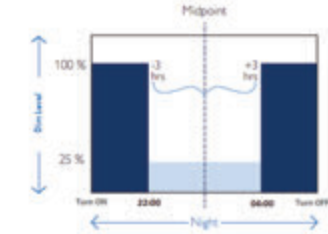
SAFE 75 MODE



BALANCE 25 MODE



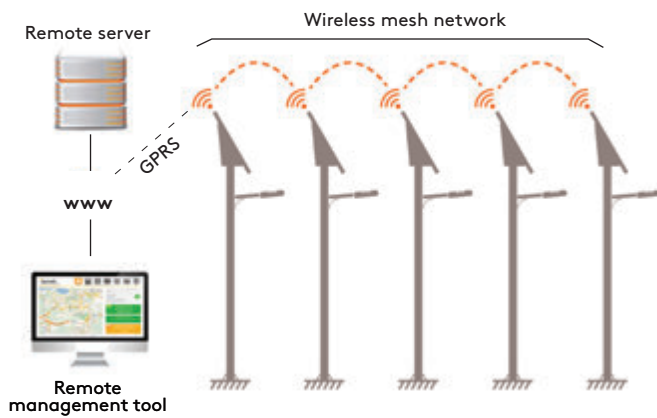
ECO MODE



## 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).

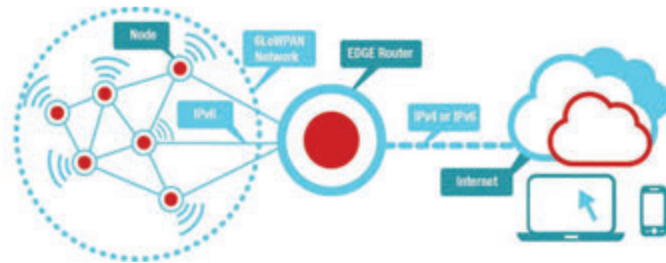




### 3. WIRELESS (WI-FI) SYSTEMS

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

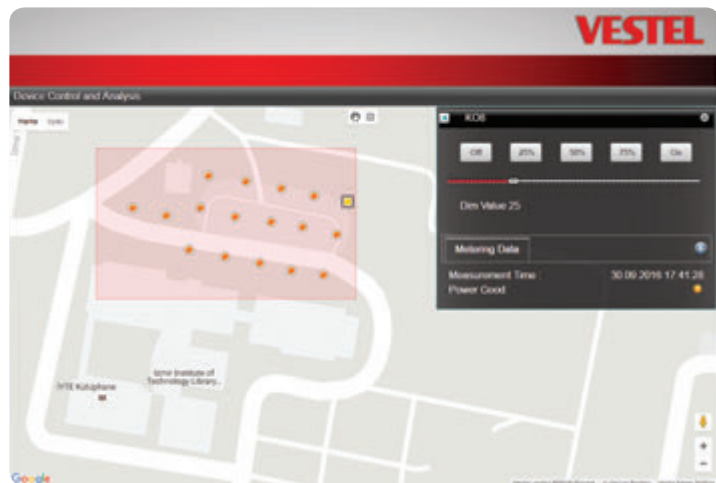
Vestel Smart Street Lights are using IP based mesh network for easy control and maintain. By 6-Low-Pan technology, you can achieve up to 10km by transferring data in 250kbit/s bandwidth



### 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 you 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 M2H - 165



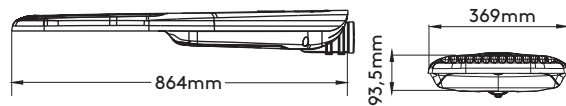
#### OPTICAL AND ELECTRICAL

Power	165 W
Colour Temperature	4000 K
Lumen Output	23.000 lm
Efficacy	139 lm/W
CRI	>70
Beam Angle	Asymmetric
Dimming	Optional
Emergency Kit	N/A
Life Time	100.000 Hours
IP Rating	IP66

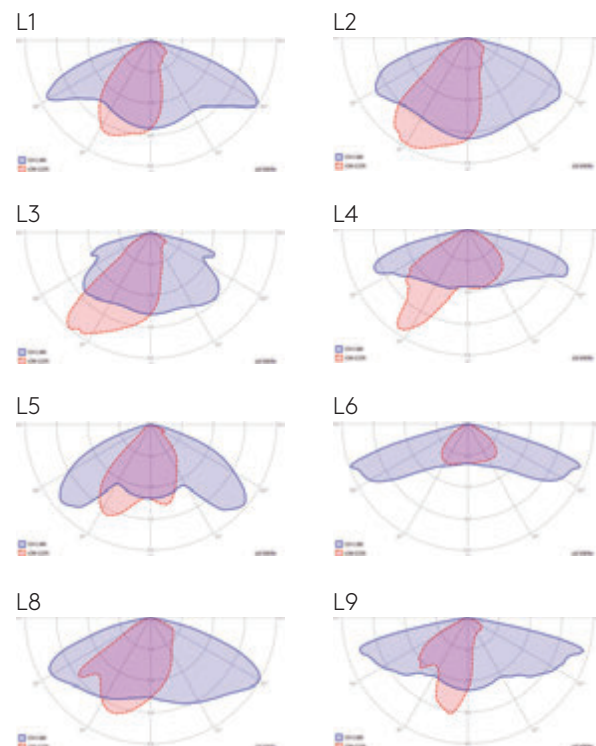
#### MECHANICAL

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





## STREET LIGHT

### Ephesus M2S - 165



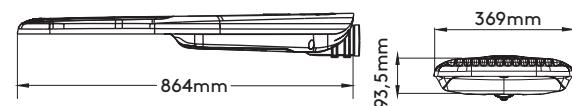
#### OPTICAL AND ELECTRICAL

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

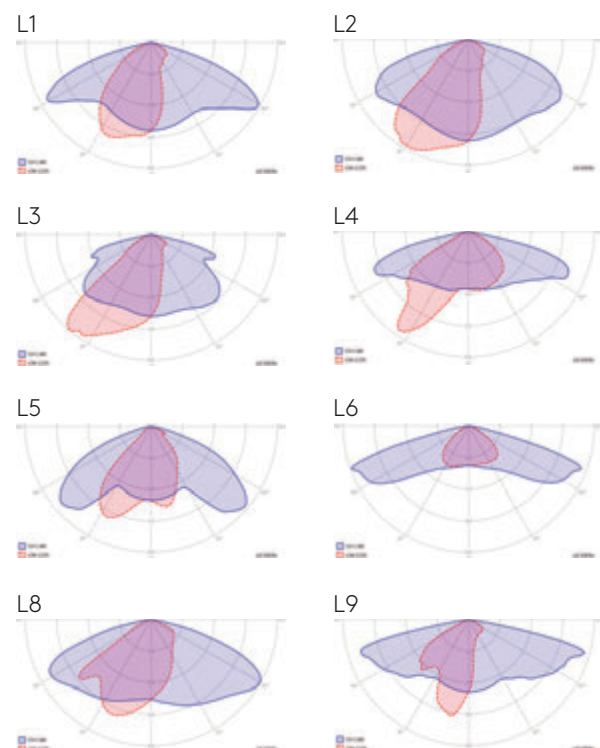
#### MECHANICAL

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







## STREET LIGHT

### Ephesus M2S - 147



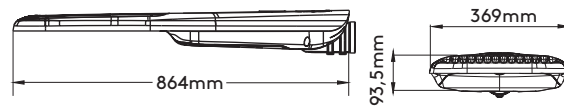
#### OPTICAL AND ELECTRICAL

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

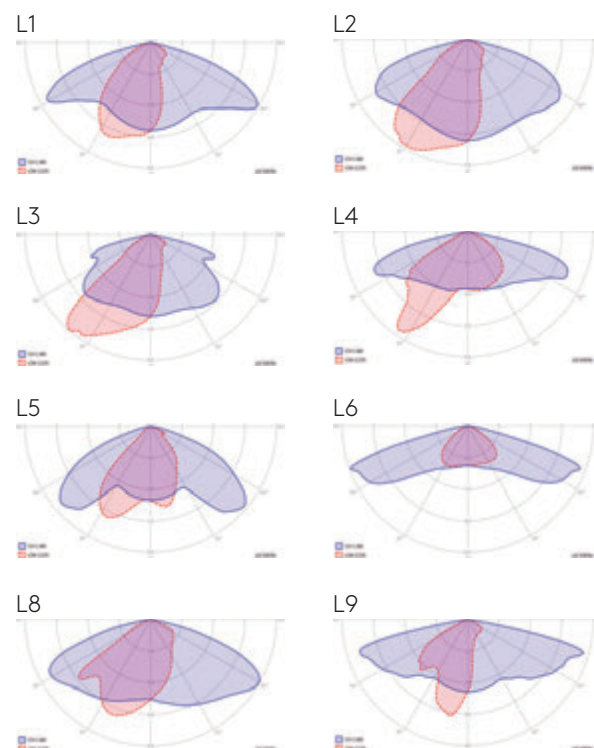
#### MECHANICAL

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





## STREET LIGHT

### Ephesus M2S - 128



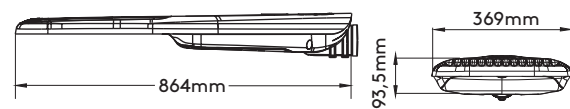
#### OPTICAL AND ELECTRICAL

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

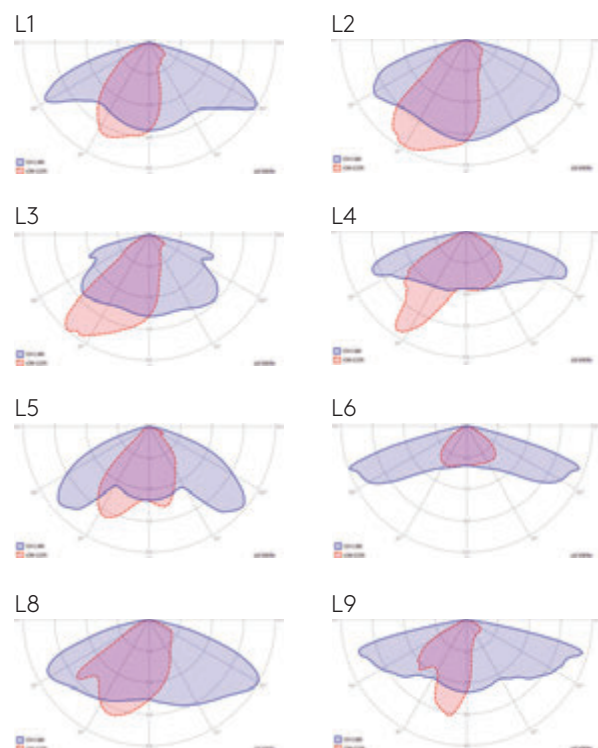
#### MECHANICAL

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





## STREET LIGHT

### Ephesus M3S - 108



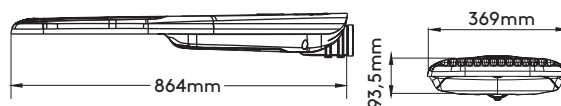
#### OPTICAL AND ELECTRICAL

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

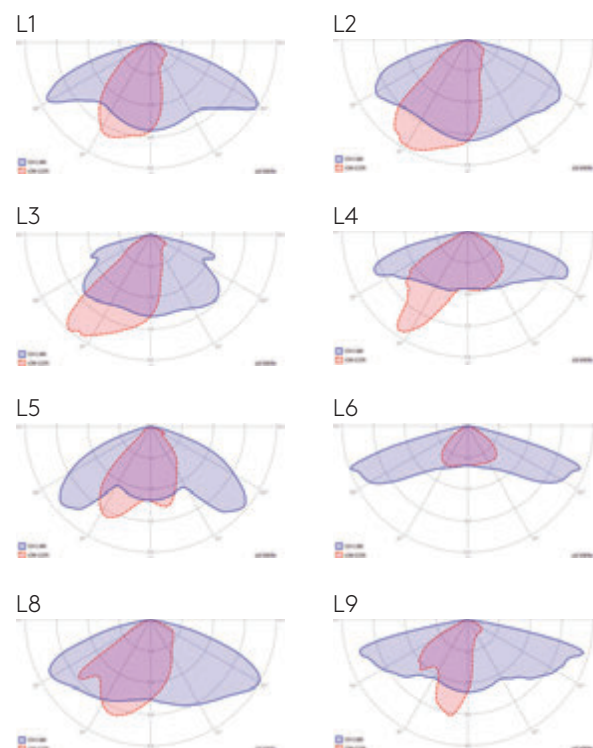
#### MECHANICAL

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







# 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

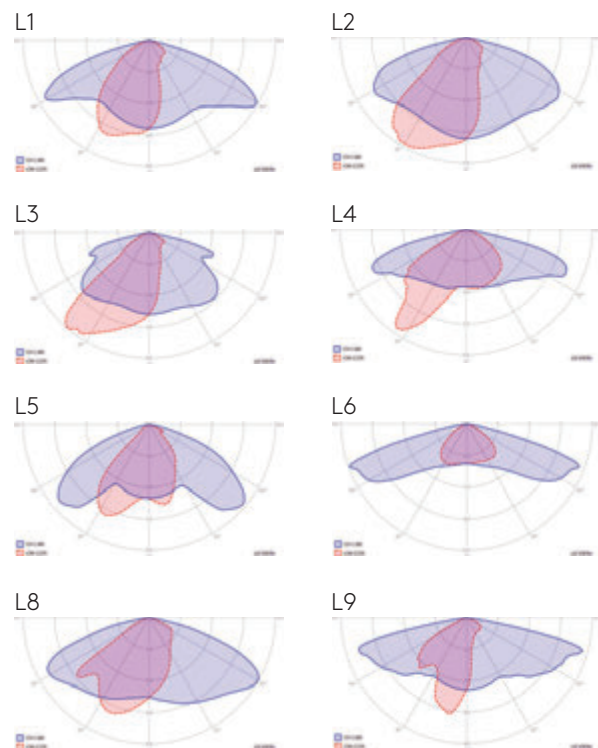
### MECHANICAL

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





## STREET LIGHT

### Ephesus M4S - 68



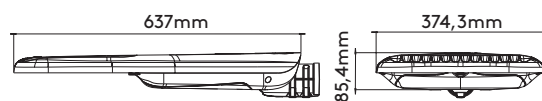
#### OPTICAL AND ELECTRICAL

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

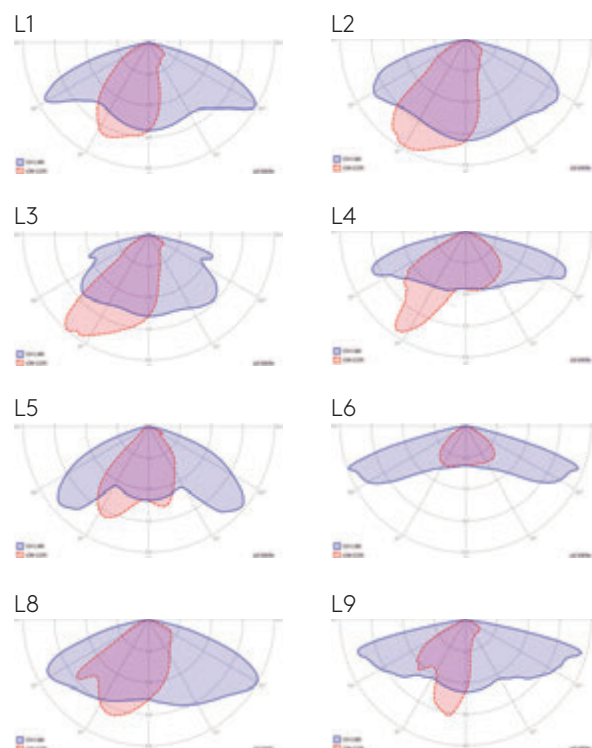
#### MECHANICAL

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







# STREET LIGHT

## Ephesus M4H - 48



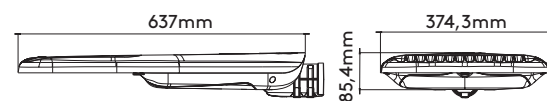
### OPTICAL AND ELECTRICAL

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

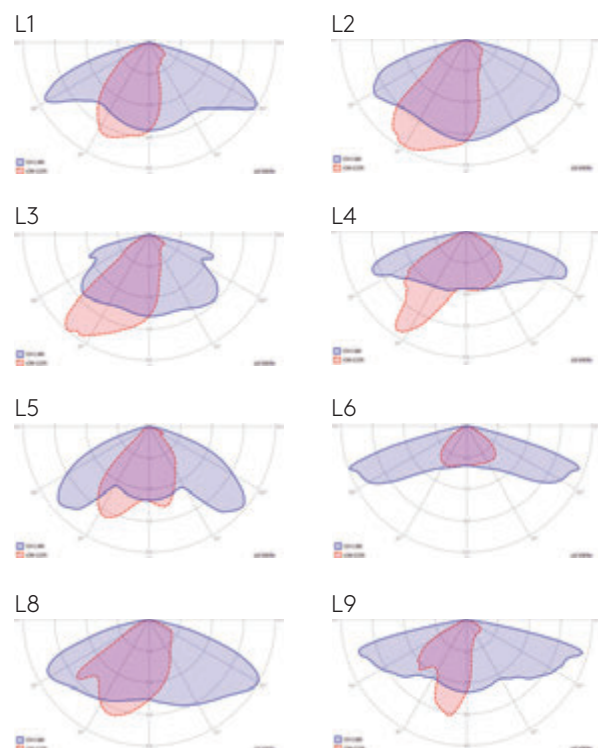
### MECHANICAL

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







## STREET LIGHT

### Ephesus M5S - 47



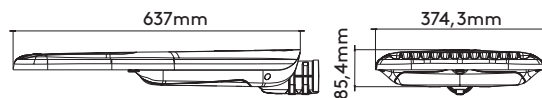
#### OPTICAL AND ELECTRICAL

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

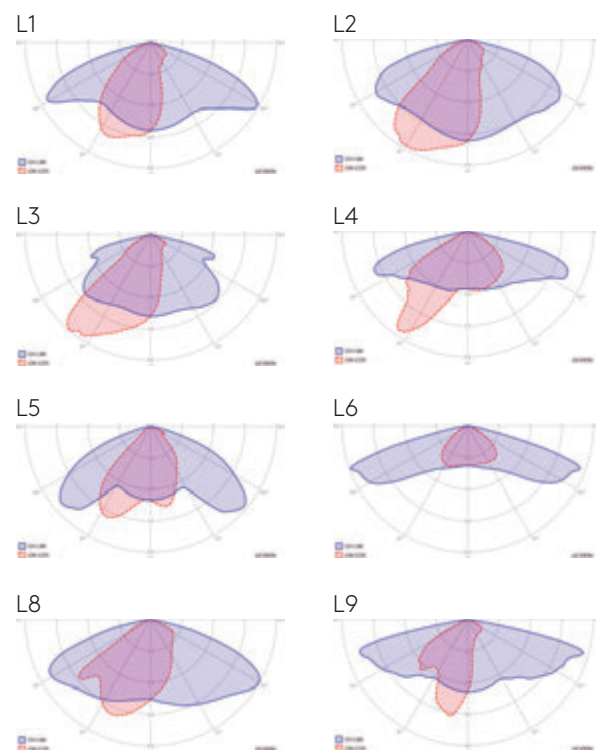
#### MECHANICAL

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





# STREET LIGHT

## Ephesus M5S - 35



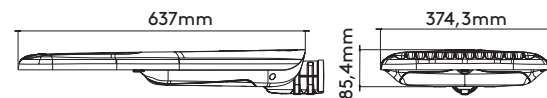
### OPTICAL AND ELECTRICAL

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

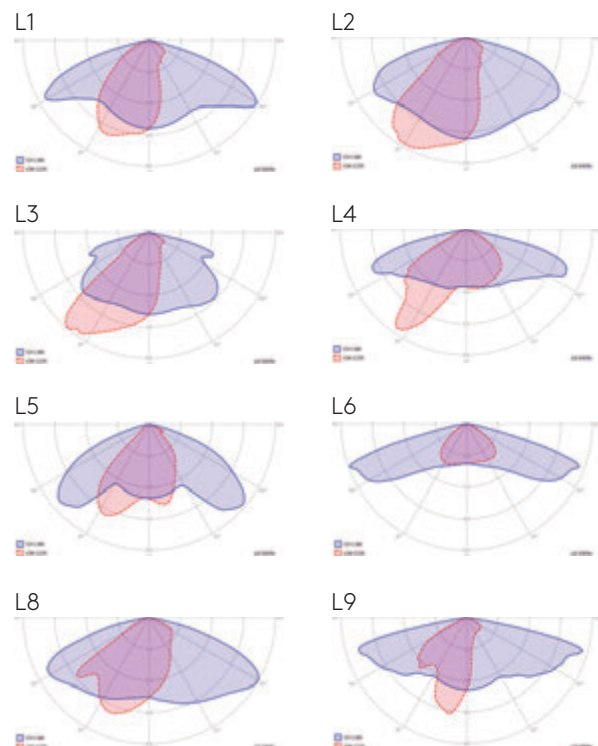
### MECHANICAL

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







# STREET LIGHT

## Ephesus M6S - 24



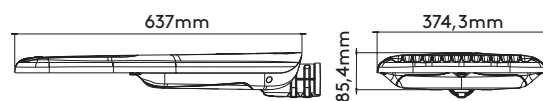
### OPTICAL AND ELECTRICAL

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

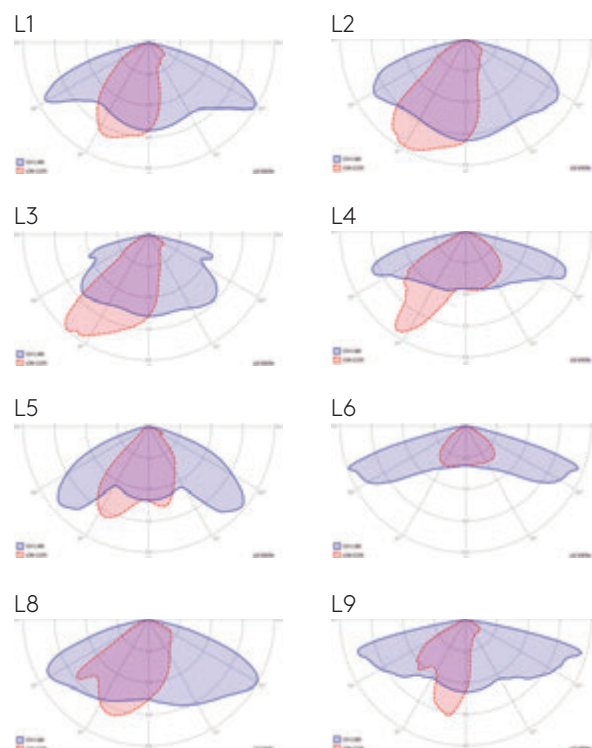
### MECHANICAL

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







# STREET LIGHT

## Ephesus M6H - 13



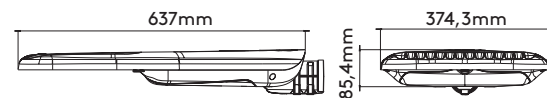
### OPTICAL AND ELECTRICAL

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

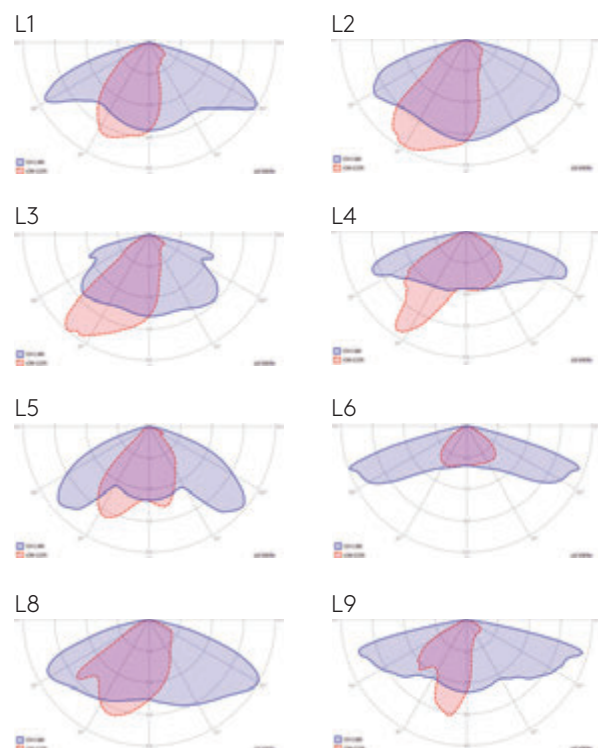
### MECHANICAL

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





# STREET LIGHT

## Sardes S2 - 182



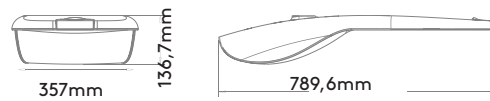
### OPTICAL AND ELECTRICAL

Power	182 W	
Colour Temperature	3000 K	4000 K
Lumen Output	21.000 lm	
Efficacy	115 lm/W	
CRI	>70	
Beam Angle	Asymmetric	
Dimming	Optional	
Emergency Kit	N/A	
Life Time	100.000 Hours	
IP Rating	IP66	

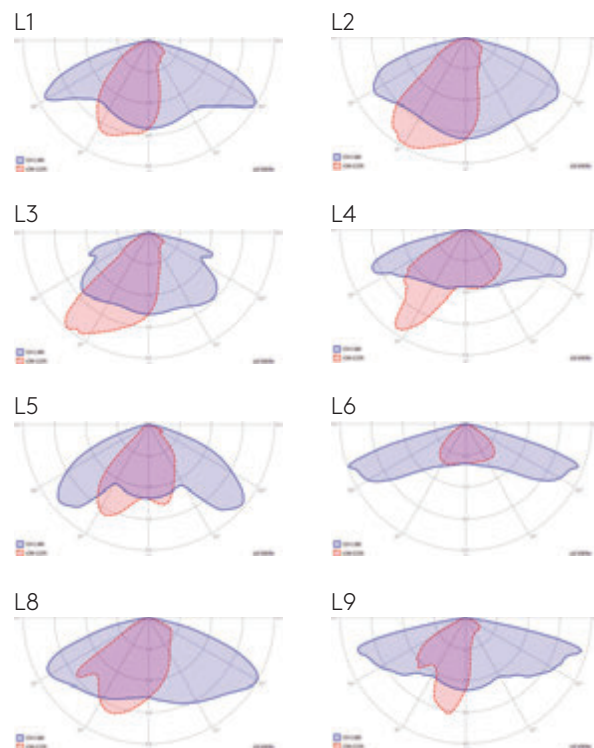
### MECHANICAL

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

### Dimensions



### Light Curve





# STREET LIGHT

## Sardes S2 - 155



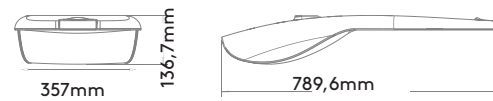
### OPTICAL AND ELECTRICAL

Power	155 W	
Colour Temperature	3000 K	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	

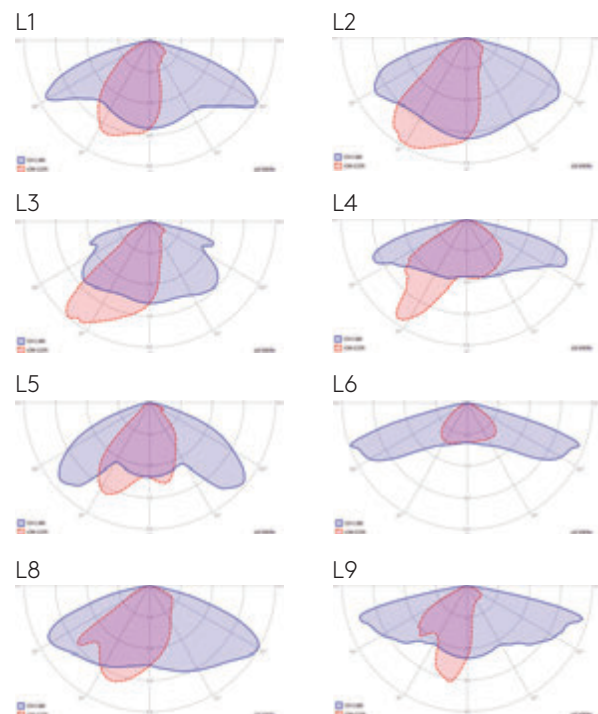
### MECHANICAL

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







## STREET LIGHT

### Sardes S2 - 140



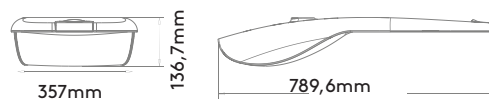
#### OPTICAL AND ELECTRICAL

Power	140 W	
Colour Temperature	3000 K / 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	

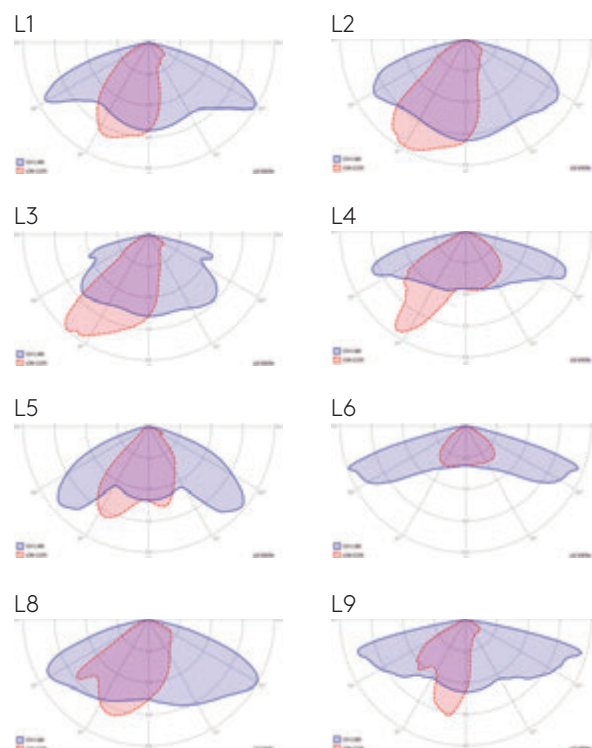
#### MECHANICAL

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





# STREET LIGHT

## Sardes S3 - 121



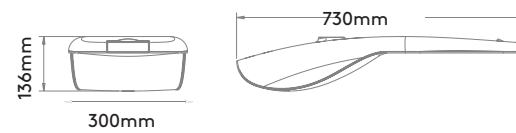
### OPTICAL AND ELECTRICAL

Power	121 W	
Colour Temperature	3000 K	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	

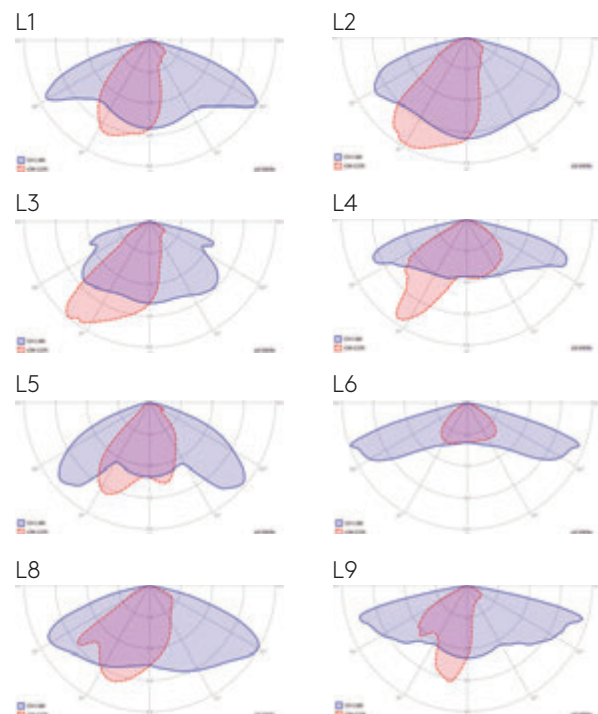
### MECHANICAL

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





## STREET LIGHT

### Sardes S3 - 95



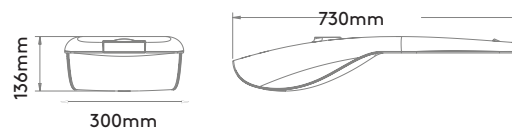
#### OPTICAL AND ELECTRICAL

Power	95 W	
Colour Temperature	3000 K / 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	

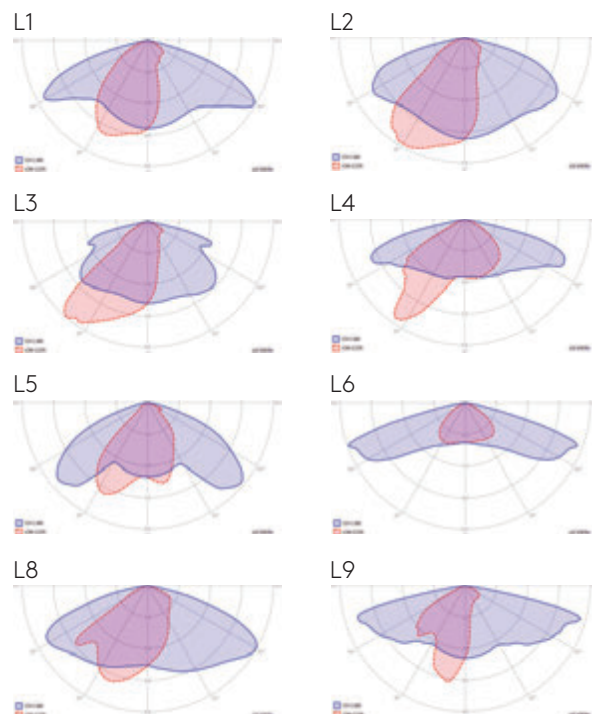
#### MECHANICAL

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







# STREET LIGHT

## Sardes S3 - 78



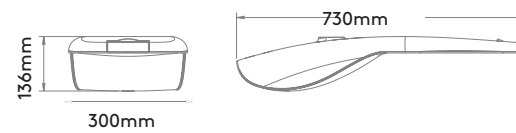
### OPTICAL AND ELECTRICAL

Power	78 W	
Colour Temperature	3000 K	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	

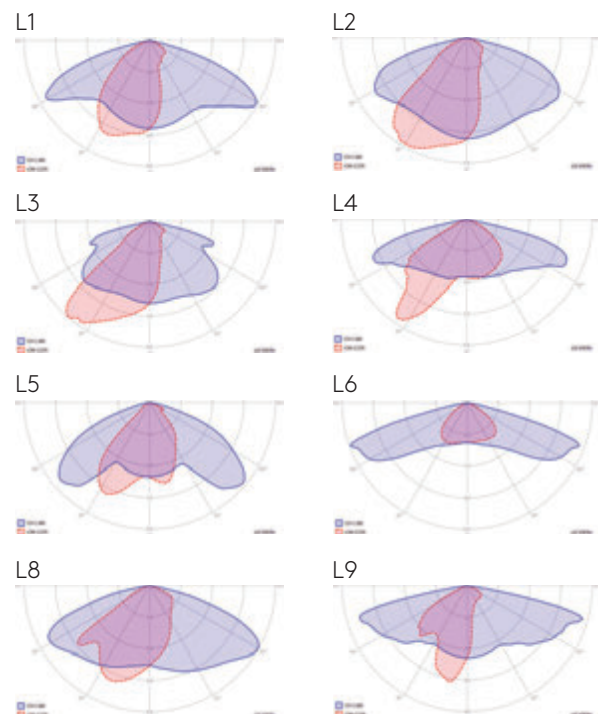
### MECHANICAL

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





## STREET LIGHT

### Sardes S5 - 60



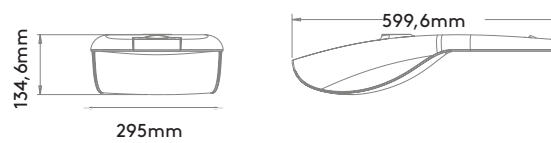
#### OPTICAL AND ELECTRICAL

Power	60 W	
Colour Temperature	3000/4000 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	

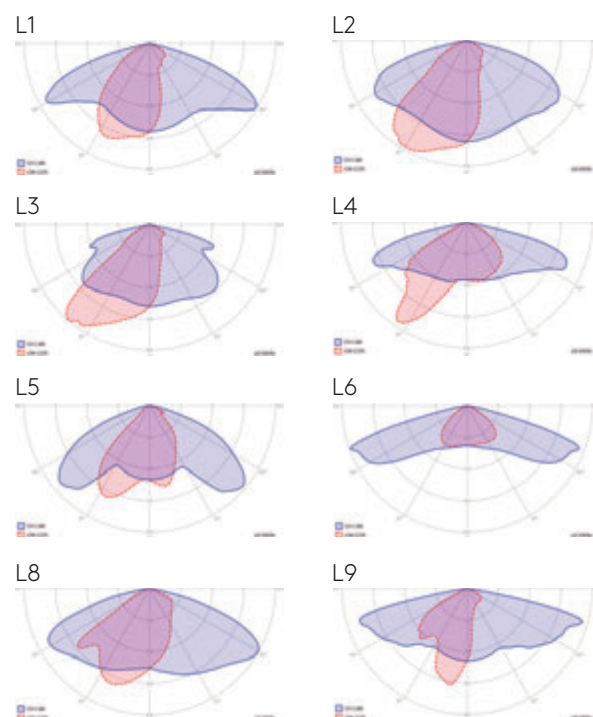
#### MECHANICAL

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





## STREET LIGHT

### Sardes S5H - 50



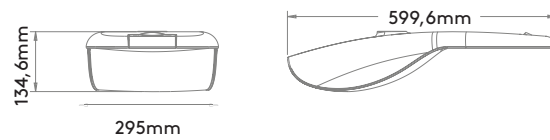
#### OPTICAL AND ELECTRICAL

Power	50,5 W	
Colour Temperature	3000 K	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	

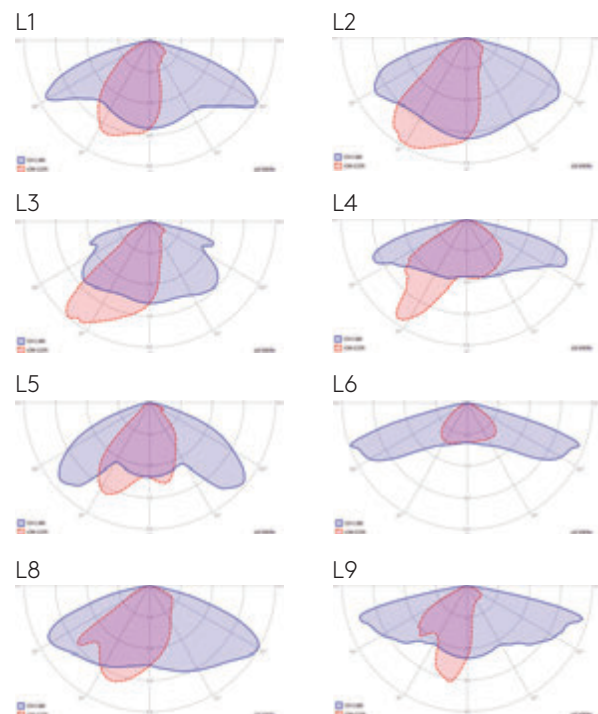
#### MECHANICAL

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







## STREET LIGHT

### Sardes S5 - 35



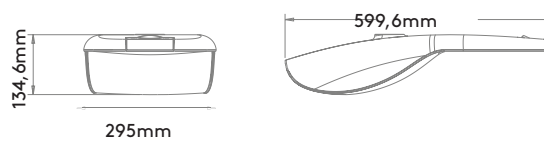
#### OPTICAL AND ELECTRICAL

Power	35 W	
Colour Temperature	3000 K	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	

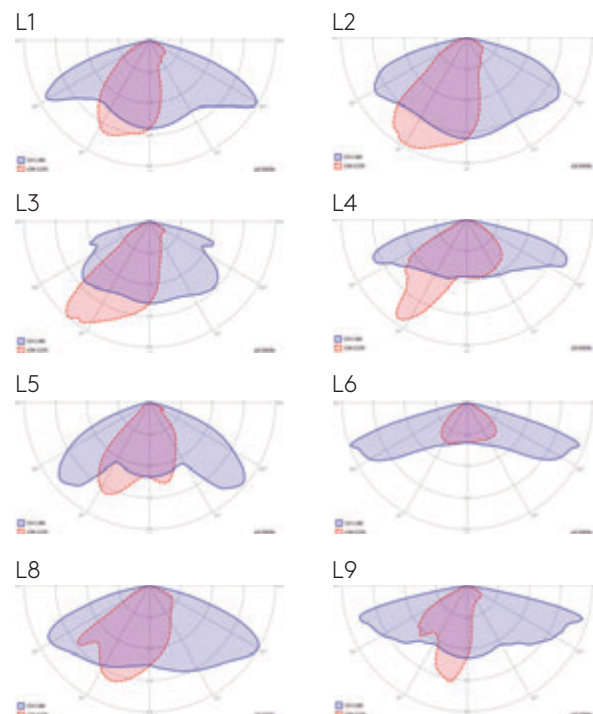
#### MECHANICAL

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





# STREET LIGHT

## Sardes S5 - 24



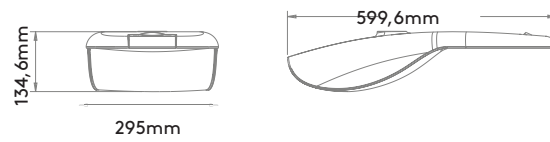
### OPTICAL AND ELECTRICAL

Power	24 W	
Colour Temperature	3000 K	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	

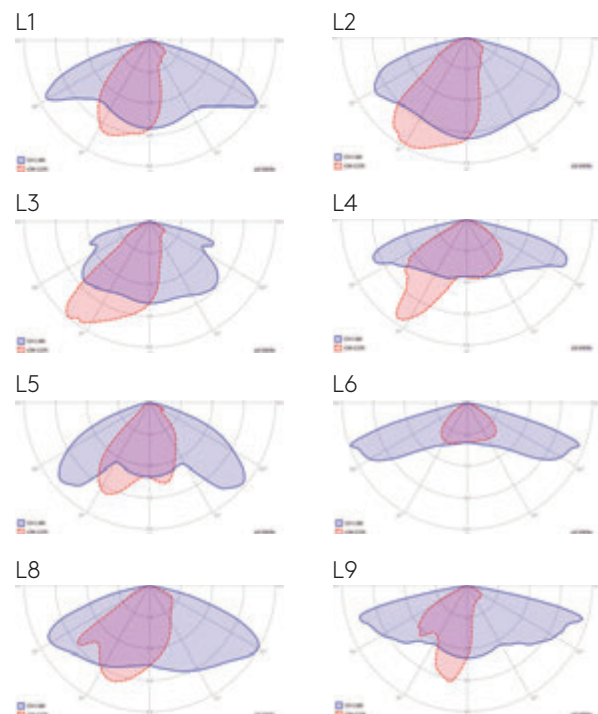
### MECHANICAL

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





## STREET LIGHT

### Sardes S5H - 13



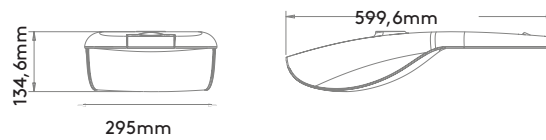
#### OPTICAL AND ELECTRICAL

Power	13 W	
Colour Temperature	3000 K	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	

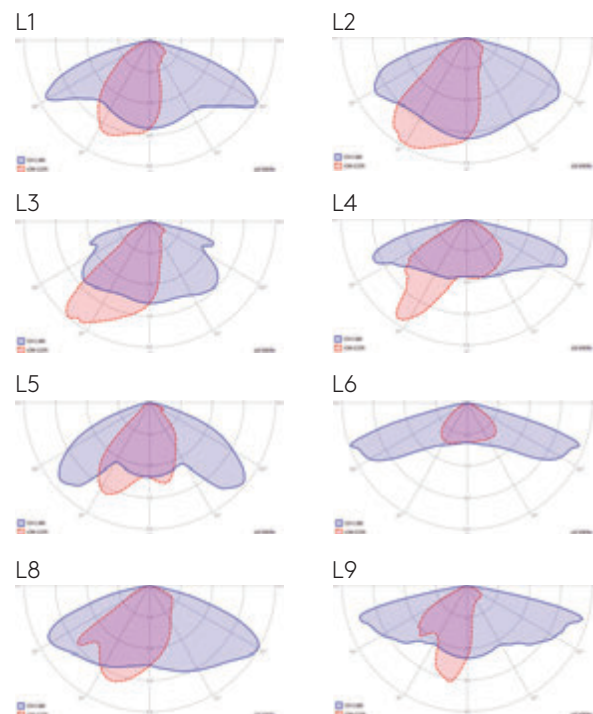
#### MECHANICAL

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















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