

# Street Light\_M5



**VESTEL**  
LED Aydınlatma

## Product Specification

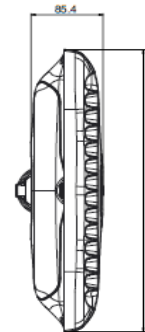
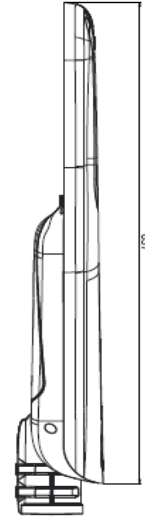
Luminous Flux	5400 lm $\pm$ %10
Rated Power	47W
Colour Description	Neutral White
CCT	4300K
CRI	70
Efficacy of Luminaire	115 lm/W
Beam Angle of Luminaire	Asimetrik
CBCP	-
Dimming	Optional
Rated Life Time	50000 hours
Operated Temperature	-40° - +50° C
IP Rating	IP65

## Electrical Specification

Number of Power Supplies	1 PSU for 1 unit
Input Voltage (Vac)	220 ~ 240Vac
Output Voltage (Vdc)	TBD
Çıkış Akımı (Idc)	1.4A $\pm$ 5%
Frequency (Hz)	50~ 60Hz
Operating Mode	Constant Current
Power Factor	PF > 0,9

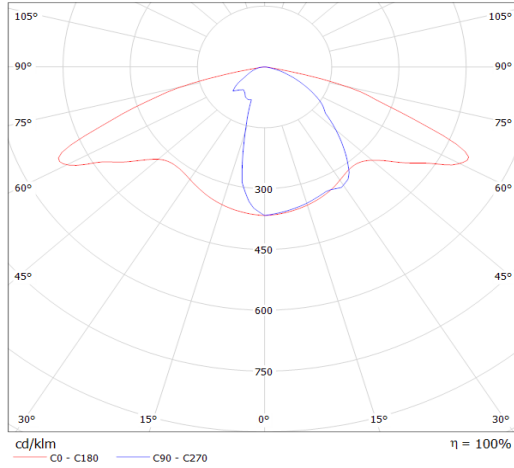
## Mechanical Specification

Dimensions (LxWxH)	637x374.3x85.4mm
Weight	9.5kg
Packaging Type	A Box
Package Dimensions (LxWxH)	715x420x145mm
Box	BC+Dopell
Quantity in a Box	1

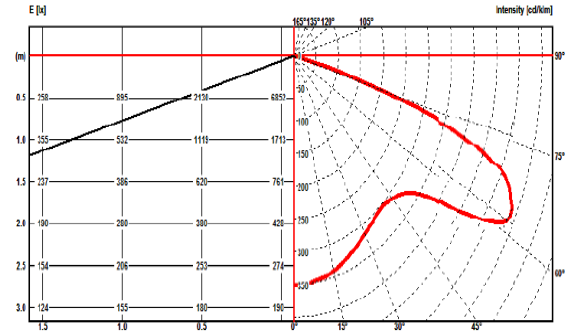


## Photometric Specifications

### Polar Diagram



### Illuminance and Intensity Diagram

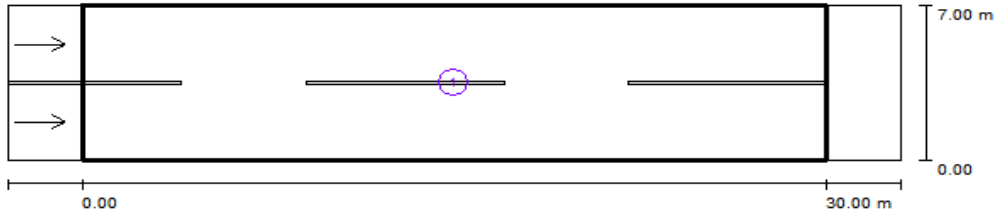


### Luminance Table

Luminances in cd/m<sup>2</sup>

Gamma:	45°	50°	55°	60°	65°	70°	75°	80°	85°
C0:	8630	10049	13352	20512	23385	27498	16032	1703	697
C90:	6304	6165	5489	4498	3404	2204	877	303	279
C180:	9404	11208	15719	21841	24987	24655	10803	1493	651
C270:	1473	1866	1823	1832	1937	1825	1127	233	232

### Dialux Fotometrik Sonuçları:



Light loss factor: 0.89

Scale 1:258

#### Calculation Field List

- Valuation Field Roadway 1  
Length: 30.000 m, Width: 7.000 m  
Grid: 10 x 6 Points  
Accompanying Street Elements: Roadway 1.  
tarmac: R3, q0: 0.070  
Selected Lighting Class: ME5

(All lighting performance requirements are met.)

	$L_{av}$ [cd/m <sup>2</sup> ]	U0	UI	Ti [%]	SR
Calculated values:	0.73	0.36	0.50	10	0.58
Required values according to class:	≥ 0.50	≥ 0.35	≥ 0.40	≤ 15	≥ 0.50
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

## PLC

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PLC (Power Line Communications) option for smart control .