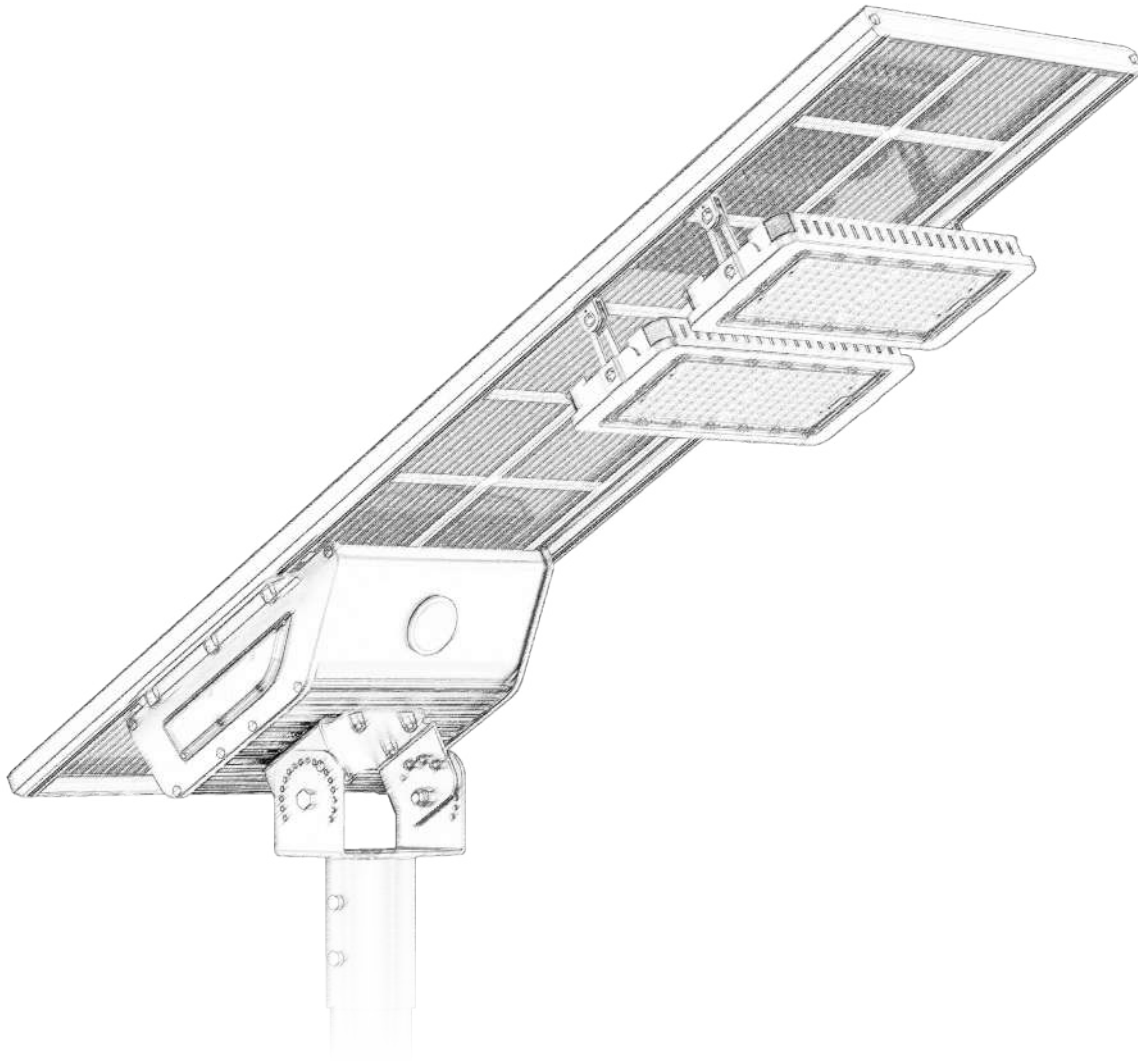


TECHNICAL SPECIFICATION



Specification Revision:		
RevA0	Primary Released	Date: 15-Sep-2023
RevA1 or B0	Updated Notes	Date:
Approved By	Verified By	Drafted By
Mike Lee	Lista Lee	Tyler Hou



Electrical Specification

POWER	40W	60W	80W	100W	120W
Solar Panel	Monocrystalline 18V/52W	Monocrystalline 18V/78W	Monocrystalline 18V/105W	Monocrystalline 36V/130W	Monocrystalline 36V/156W
Battery Type	LiFePo4				
Battery Capacity	12.8V/30AH	12.8V/46AH	12.8V/64AH	25.6V/40AH	25.6V/47AH
Controller	MPPT 40W/10A	MPPT 60W/10A	MPPT 80W/10A	MPPT 100W/10A	MPPT 120W/10A
Lighting Method	12 hours of illumination, 6 hours of full power, battery capacity guaranteed for one rainy or cloudy day.				
Intelligent Base	Availabe in ZHAGA / NEMA				
Sensor	Photocell / Motion / PIR				
Working Temperature	-20°C~+60°C,RH95%				

Photometrical Specification

Luminous Efficacy	180Lm/W				
LED CHIP	PHILIPS 5050				
Color Temperature	Option of 3000K/4000K / 5000K/ 5700K				
Color Rendering Index	>70				
Beam Angle	Type(150°X70°)				
illumination Duration	2 Cloudy and Rainy Days				

Mechanical Specification

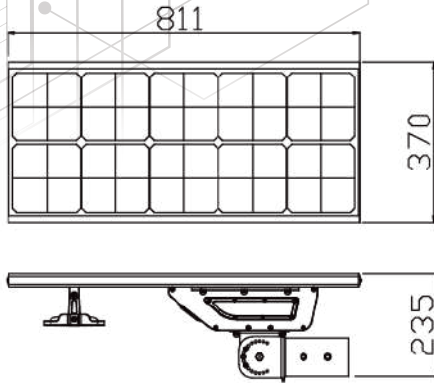
Body Material	Aluminium				
Housing Color	Black				
Mounting Type	Wall / Pole				
Mounting Location	40-60mm				
Installation Height	4-6m	6-8m	8-10m	10-12m	10-12m

Standards & Certificates

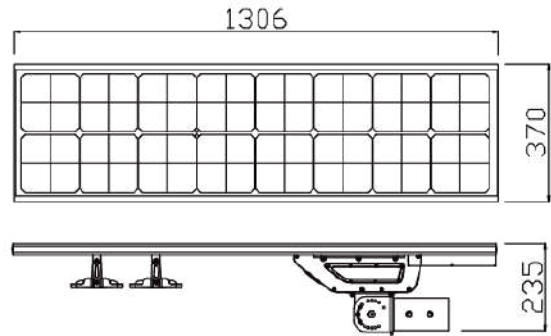
Ingress Protection	IP67				
IK	IK08				
Salt Spray	C1 Anti-Corrosion				
Certificates	CE, ROHS				
Warranty	5 Years				

Dimension & Weight

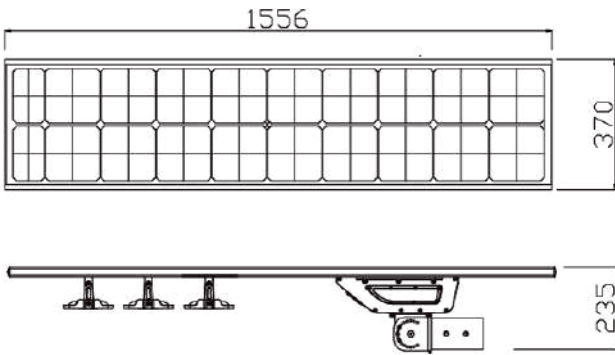
Fixture Dimension (mm)	/				
Fixture Weight (kg)	/				
Packing	/				
Carton Dimension(mm)	/				
Gross Weight (Kg)	/				



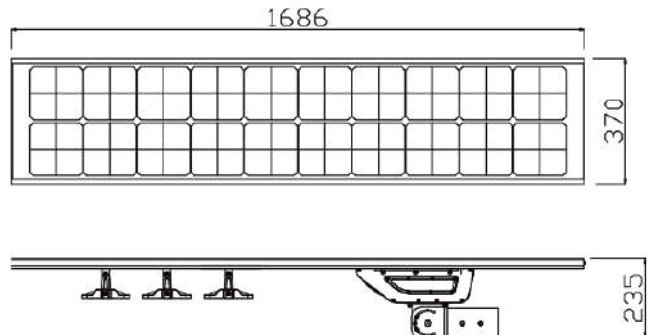
SL03-JL-40W



SL03-JL-60W

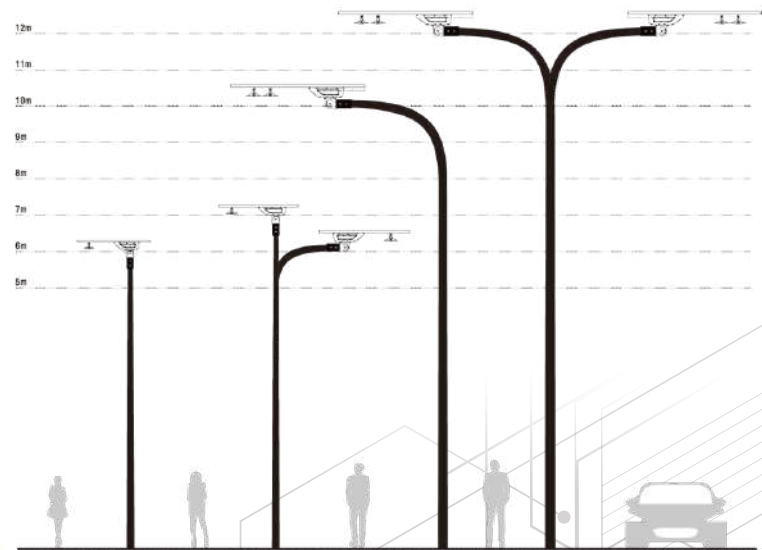
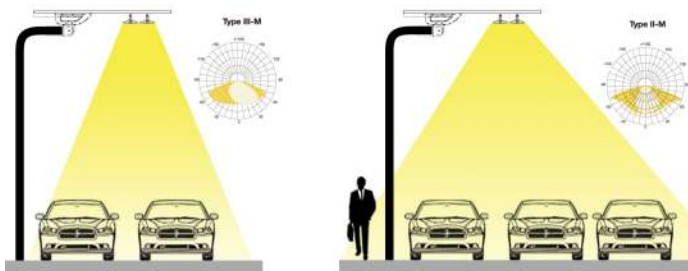
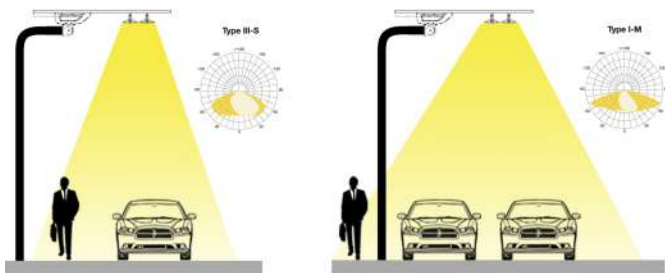


SL03-JL-80W

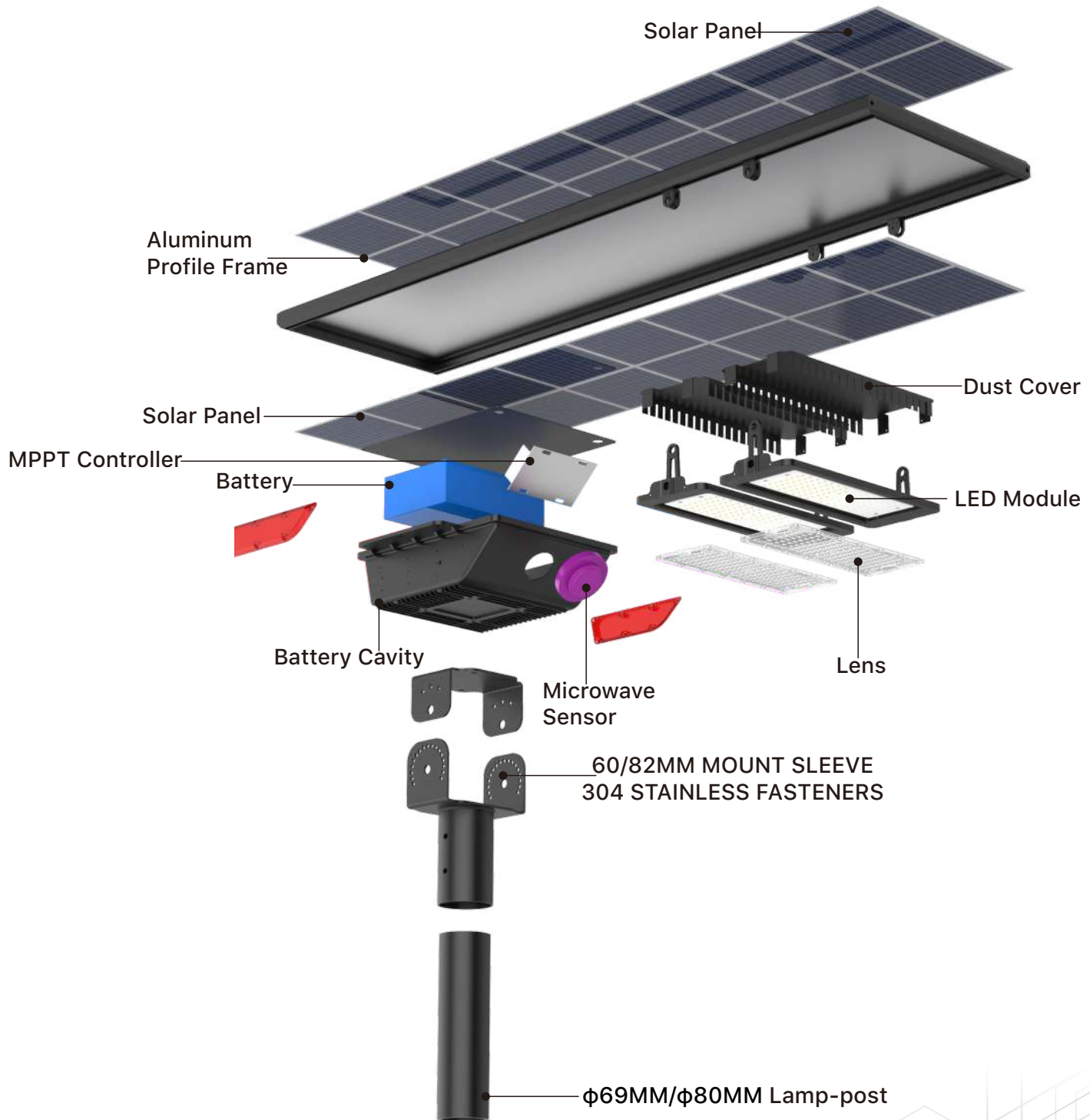


SL03-JL-100W/120W

AppliedOptics Simulation

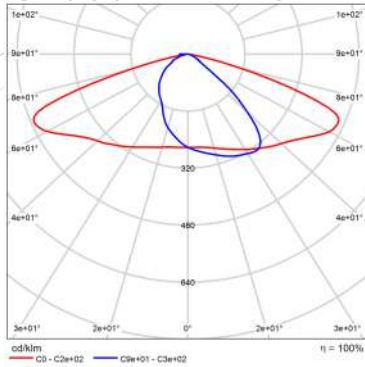


Structure Diagrams

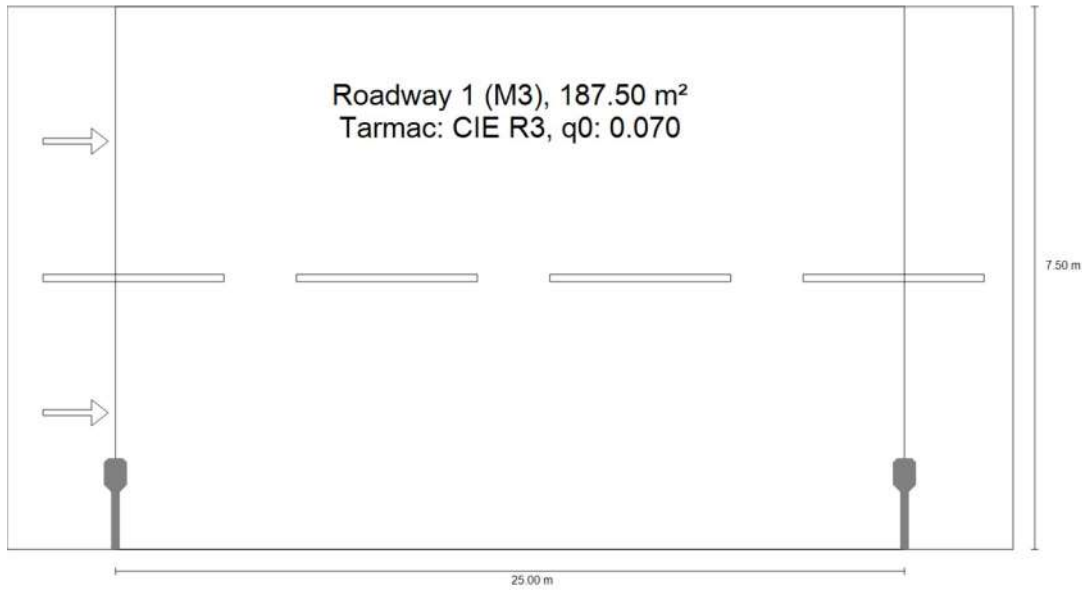


Street 1

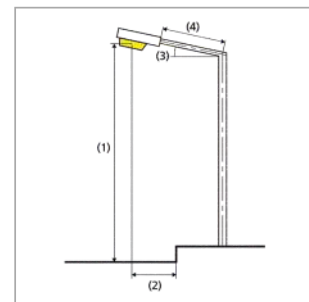
Summary (according to EN 13201:2015)



P	40.0 W
Φ_{Lamp}	7200 lm
$\Phi_{Luminaire}$	7194 lm
η	99.92 %

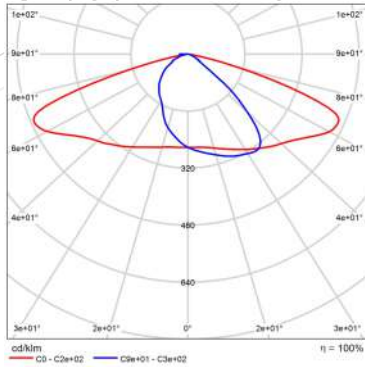


Pole distance	25.000 m
(1) Light spot height	6.000 m
(2) Light point overhang	1.000 m
(3) Boom inclination	15.0°
(4) Boom length	1.000 m
Annual operating hours	4000 h: 100.0 %, 40.0 W
Consumption	1600.0 W/km
ULR / ULOR	0.00 / 0.00
Max. luminous intensities	≥ 70°: 610 cd/klm ≥ 80°: 204 cd/klm ≥ 90°: 9.84 cd/klm
Luminous intensity class	- The luminous intensity values in [cd/klm] for calculation of the luminous intensity class refer to the luminaire luminous flux according to EN 13201:2015.
Glare index class	D.6

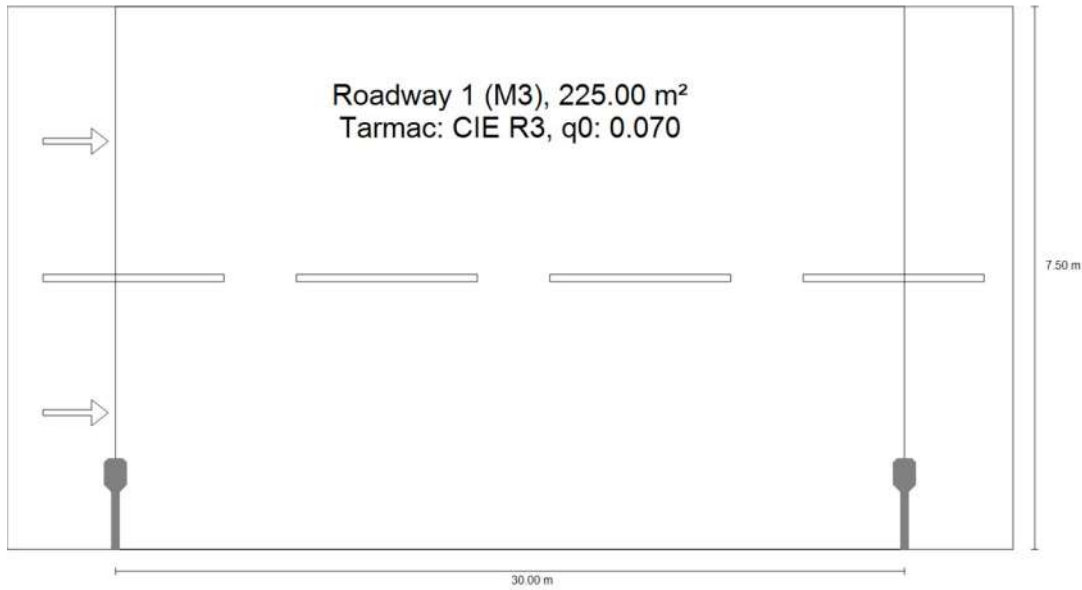


Street 1

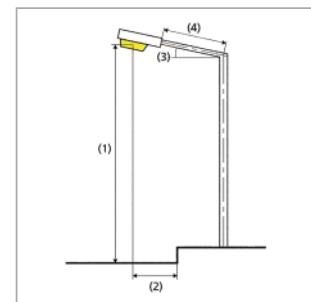
Summary (according to EN 13201:2015)



P	60.0 W
Φ_{Lamp}	10800 lm
$\Phi_{Luminaire}$	10792 lm
η	99.92 %

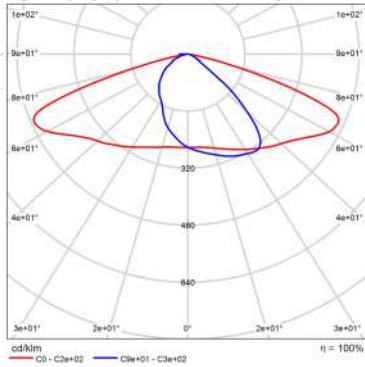


Pole distance	30.000 m
(1) Light spot height	8.000 m
(2) Light point overhang	1.000 m
(3) Boom inclination	5.0°
(4) Boom length	1.000 m
Annual operating hours	4000 h: 100.0 %, 60.0 W
Consumption	1980.0 W/km
ULR / ULOR	0.00 / 0.00
Max. luminous intensities Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.	$\geq 70^\circ$: 609 cd/klm $\geq 80^\circ$: 89.5 cd/klm $\geq 90^\circ$: 1.17 cd/klm
Luminous intensity class The luminous intensity values in [cd/klm] for calculation of the luminous intensity class refer to the luminaire luminous flux according to EN 13201:2015.	G*3
Glare index class	D.6

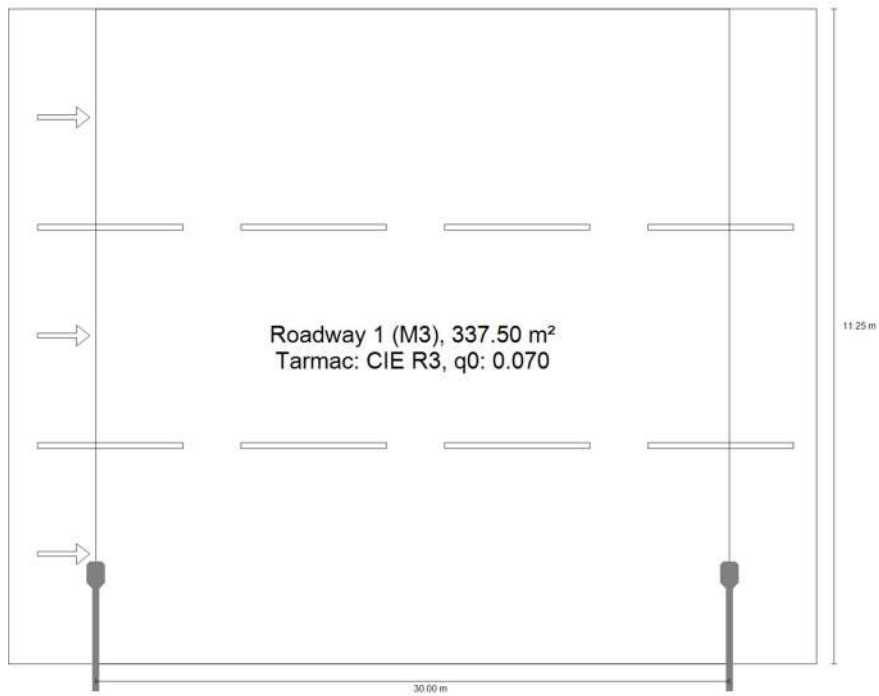


Street 1

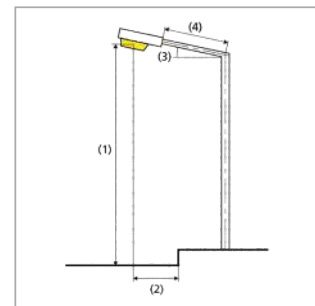
Summary (according to EN 13201:2015)



P	100.0 W
Φ_{Lamp}	18000 lm
$\Phi_{Luminaire}$	17986 lm
η	99.92 %

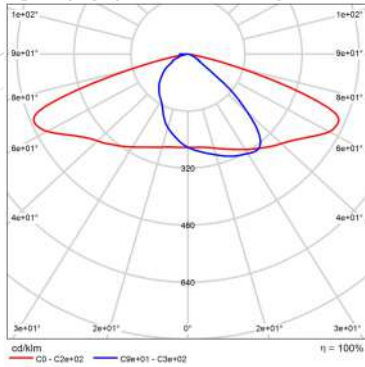


Pole distance	30.000 m
(1) Light spot height	9.000 m
(2) Light point overhang	1.500 m
(3) Boom inclination	15.0°
(4) Boom length	2.000 m
Annual operating hours	4000 h: 100.0 %, 100.0 W
Consumption	3300.0 W/km
ULR / ULOR	0.00 / 0.00
Max. luminous intensities	≥ 70°: 610 cd/klm
Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.	≥ 80°: 204 cd/klm ≥ 90°: 9.84 cd/klm
Luminous intensity class	-
The luminous intensity values in [cd/klm] for calculation of the luminous intensity class refer to the luminaire luminous flux according to EN 13201:2015.	
Glare index class	D.5

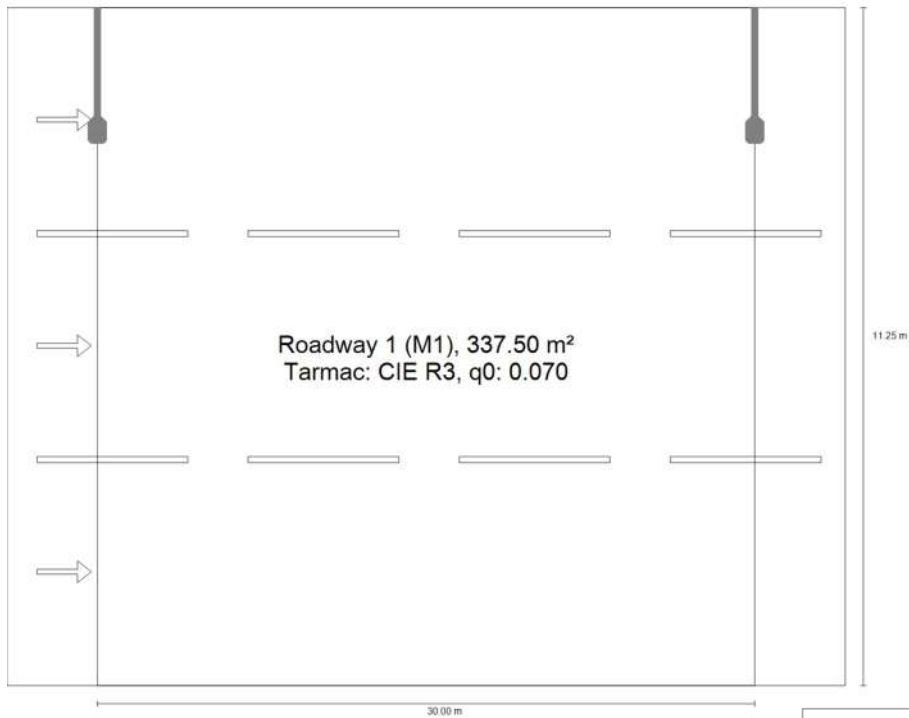


Street 1

Summary (according to EN 13201:2015)



P	120.0 W
Φ_{Lamp}	21600 lm
$\Phi_{Luminaire}$	21583 lm
η	99.92 %



Pole distance	30.000 m
(1) Light spot height	10.000 m
(2) Light point overhang	2.000 m
(3) Boom inclination	0.0°
(4) Boom length	2.000 m
Annual operating hours	4000 h: 100.0 %, 120.0 W
Consumption	3960.0 W/km
ULR / ULOR	0.00 / 0.00
Max. luminous intensities	≥ 70°: 597 cd/klm
Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.	≥ 80°: 54.4 cd/klm ≥ 90°: 1.24 cd/klm
Luminous intensity class	G*3
The luminous intensity values in [cd/klm] for calculation of the luminous intensity class refer to the luminaire luminous flux according to EN 13201:2015.	
Glare index class	D.5

