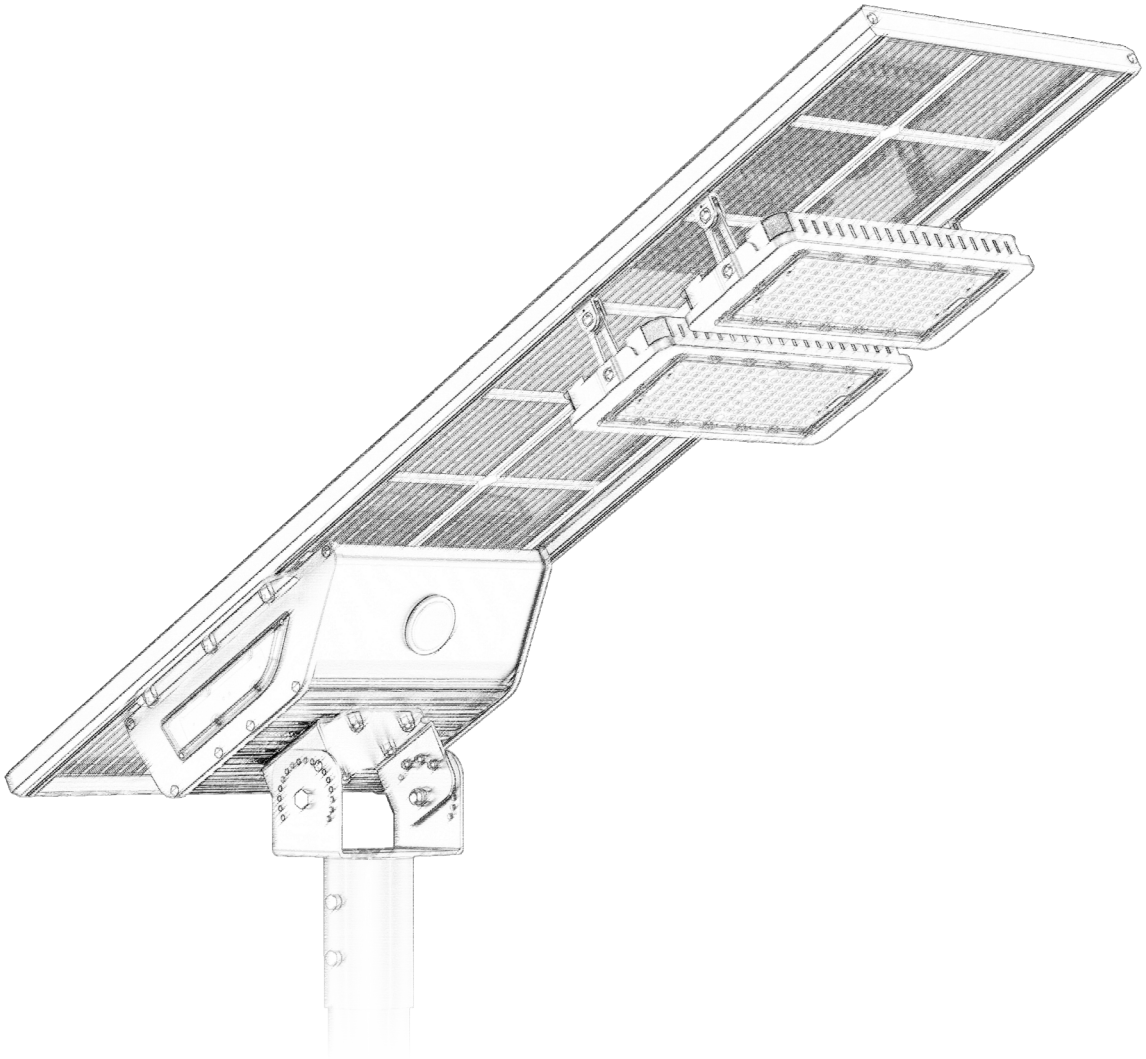
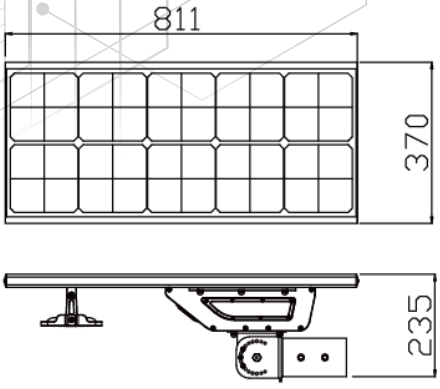
TECHNICAL SPECIFICATION

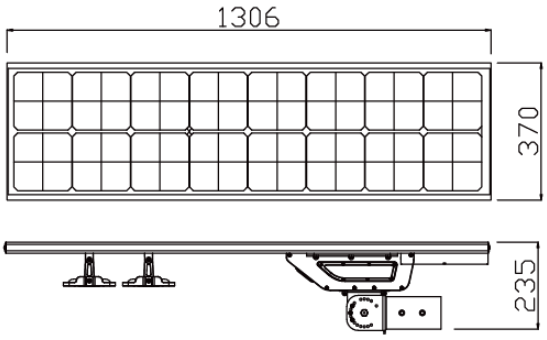


Specification Revision:		
RevA0	Primary Released	Date: 15-Sep-2023
RevA1 or B0	Updated Notes	Date:
Approved By	Verified By	Drafted By
Mike Lee	Lista Lee	Tyler Hou

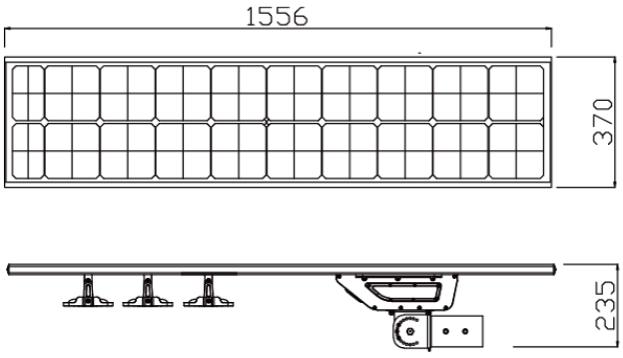
Model	SL03-JL-40W	SL03-JL-60W	SL03-JL-80W	SL03-JL-100W
				
Electrical Specification				
POWER	40W	60W	80W	100W
Solar Panel	Monocrystalline 18V/90W (340*1294)	Monocrystalline 18V/90W (340*1300)	Monocrystalline 18V/100W (340*1550)	Monocrystalline 36V/120W (340*1680)
Battery Type	LiFePo4			
Battery Capacity	12.8V/30AH	12.8V/42AH	12.8V/48AH	25.6V/60AH
Controller	MPPT 40W/10A	MPPT 60W/10A	MPPT 80W/10A	MPPT 100W/10A
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			
Mechnical 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
Standards & Certificates				
Ingress Protection	IP67			
IK	IK08			
Salt Spray	C1 Anti-Corrosion			
Certificates	CE, ROHS			
Warranty				
Dimension & Weight				
Fixture Dimension (mm)	/			
Fixture Weight (kg)	/			
Packing	/			
Carton Dimension(mm)	/			
Gross Weight (Kg)	/			



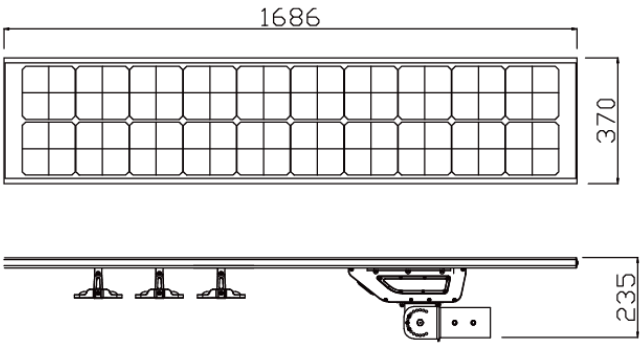
SL03-JL-40W



SL03-JL-60W

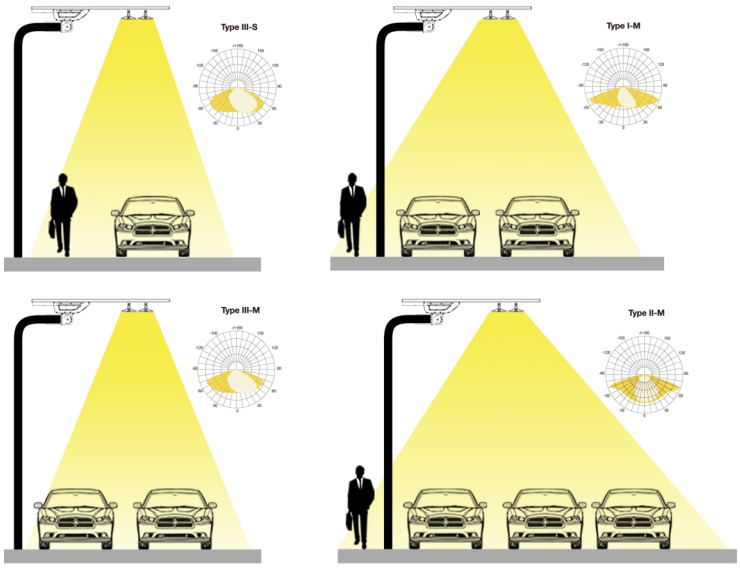


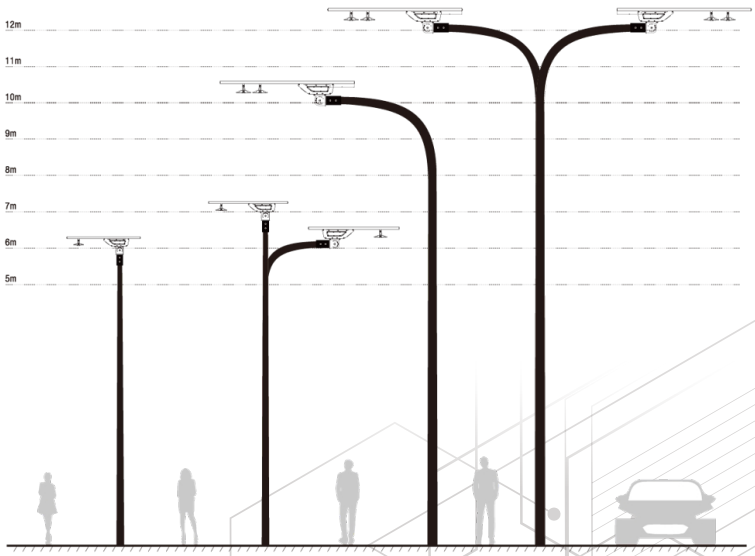
SL03-JL-80W



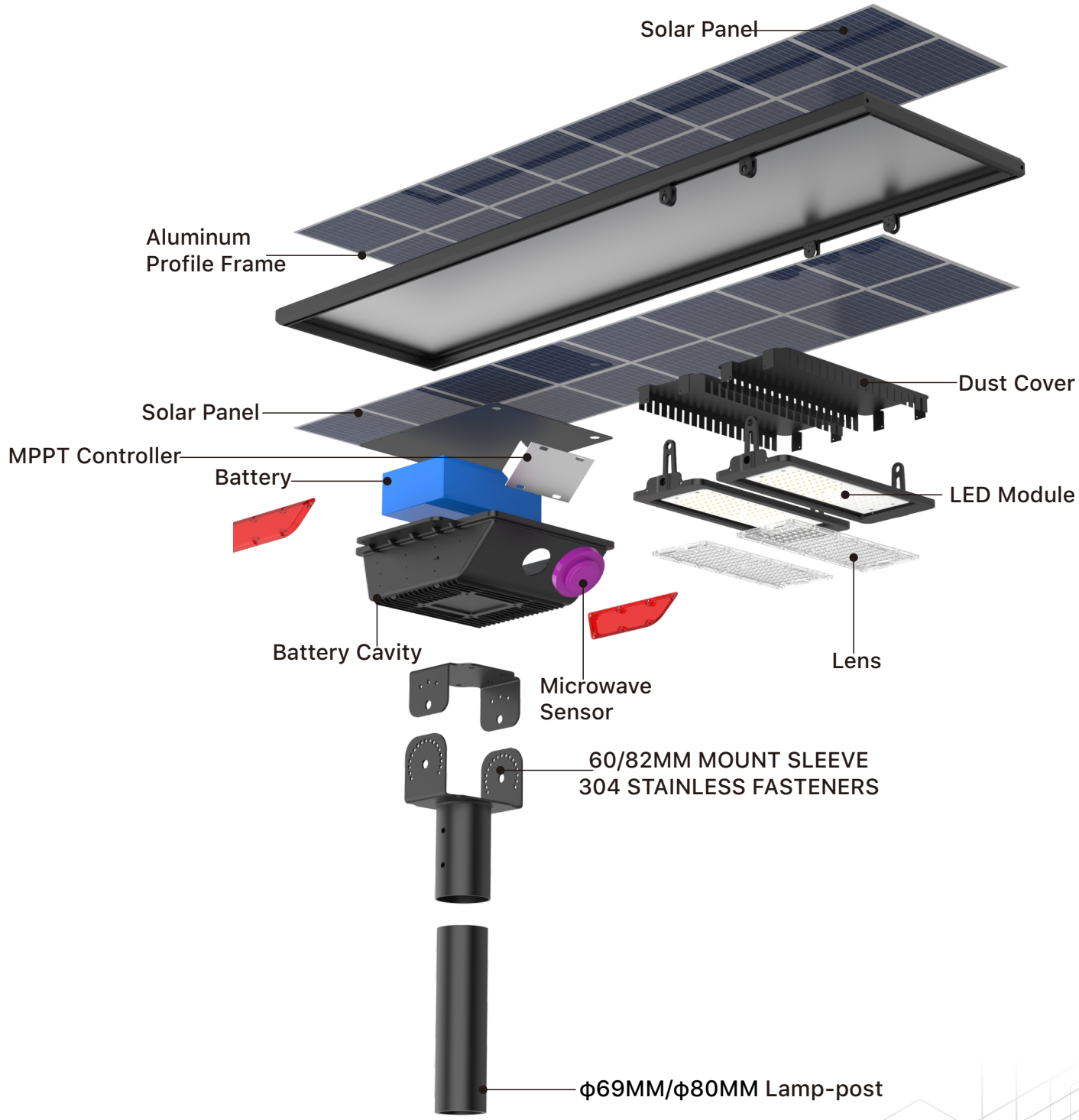
SL03-JL-100W

AppliedOptics Simulation



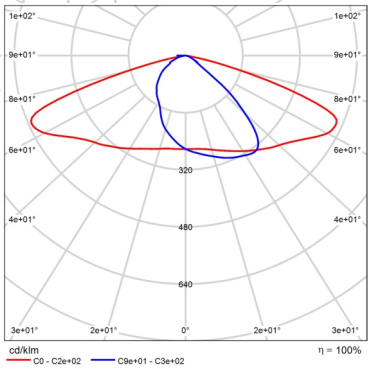


Structure Diagrams

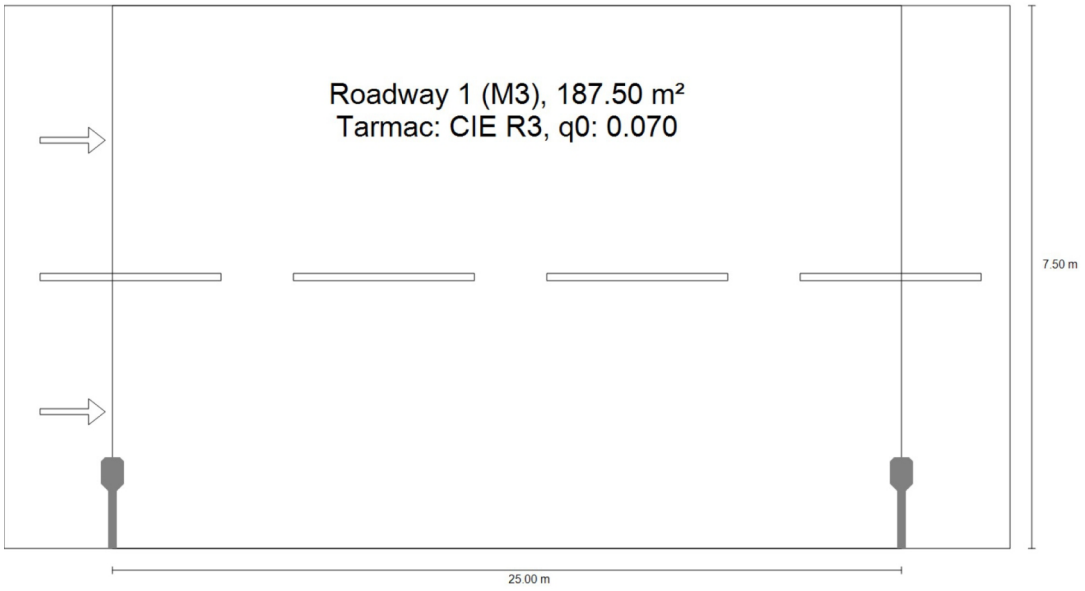


Street 1

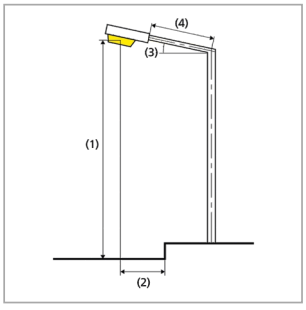
Summary (according to EN 13201:2015)



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

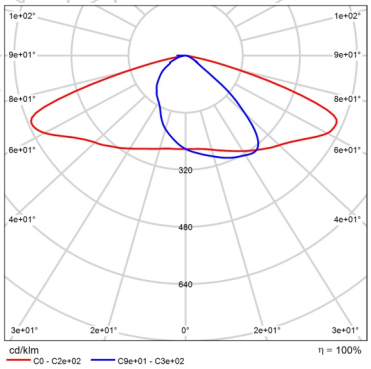


Pole distance	25.000 m
(1) Light spot height	6.000 m
(2) Light point overhang	1.000 m
(3) Boom inclination	15.0°
(4) Boom length	1.000 m
Annual operating hours	4000 h: 100.0 %, 40.0 W
Consumption	1600.0 W/km
ULR / ULOR	0.00 / 0.00
Max. luminous intensities Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.	≥ 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

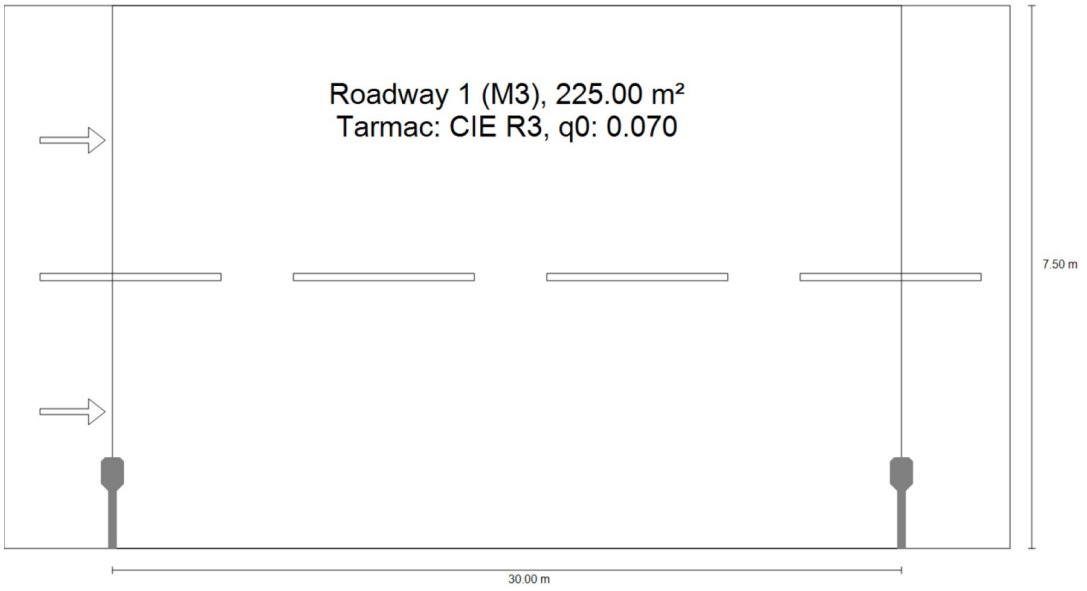


Street 1

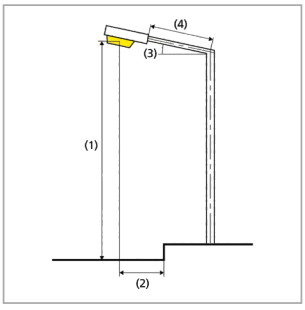
Summary (according to EN 13201:2015)



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

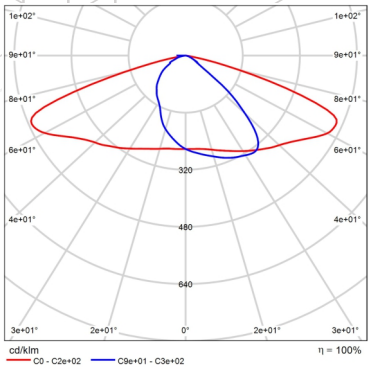


Pole distance	30.000 m
(1) Light spot height	8.000 m
(2) Light point overhang	1.000 m
(3) Boom inclination	5.0°
(4) Boom length	1.000 m
Annual operating hours	4000 h: 100.0 %, 60.0 W
Consumption	1980.0 W/km
ULR / ULOR	0.00 / 0.00
Max. luminous intensities Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.	≥ 70°: 609 cd/klm ≥ 80°: 89.5 cd/klm ≥ 90°: 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

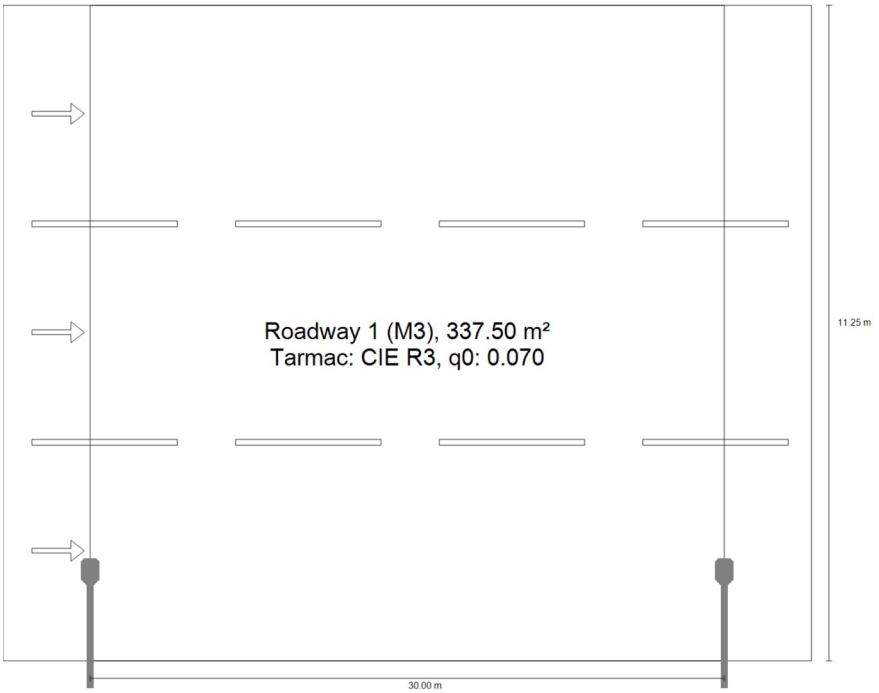


Street 1

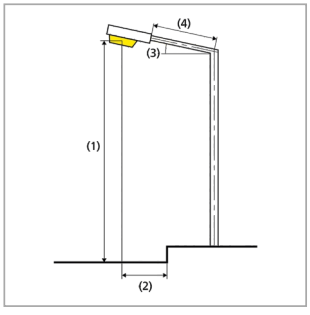
Summary (according to EN 13201:2015)



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

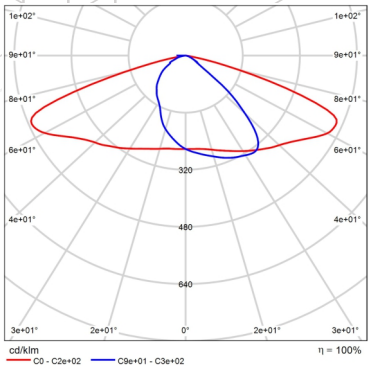


Pole distance	30.000 m
(1) Light spot height	9.000 m
(2) Light point overhang	1.500 m
(3) Boom inclination	15.0°
(4) Boom length	2.000 m
Annual operating hours	4000 h: 100.0 %, 100.0 W
Consumption	3300.0 W/km
ULR / ULOR	0.00 / 0.00
Max. luminous intensities Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.	≥ 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.5

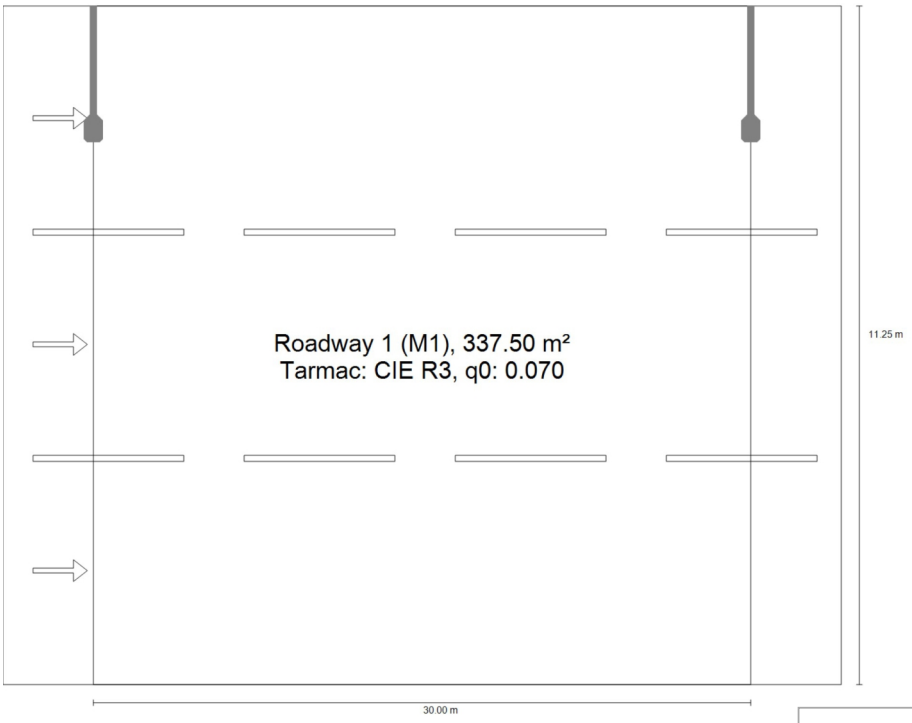


Street 1

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 Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.	≥ 70°: 597 cd/klm ≥ 80°: 54.4 cd/klm ≥ 90°: 1.24 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.5