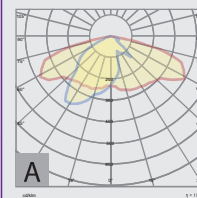




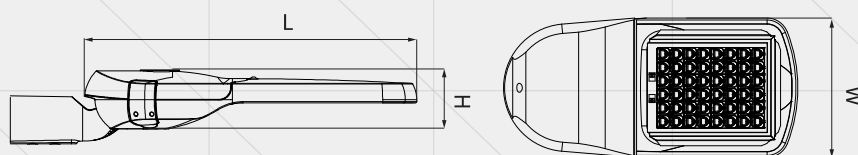
EVOCITY

The EVOCITY lighting device offers flexible module combinations with LEDs for powers between 45 - 160 W. EVOCITY lighting device is made of an aluminum cast body, in dark gray color, with outer protection, corrosion protection treatment and UV resistant paint. It has a tempered glass disperser with IK09 impact protection. The mounting on the pole can be made horizontally or vertically, with the possibility of adjusting the angle between -15° and $+15^{\circ}$. EVOCITY luminaire has an over voltage protection of 10kV and ensure a IP66 protection degree for all constructive variants. ENEC and ENEC+ certified products.

EVO CITY



- Installation: Street lighting
- Colour temperature: warm, neutral, cold
- Colour rendering index: CRI > 80
- Ingress protection: IP66
- Power supply: 230 V / 50 Hz
- Safety class: I
- Light distribution: A
- Operating temperature range: - 40°C . . . + 45°C
- Pipe mounting: Ø 48 - 60 mm



Code	Nominal power	Diffuser	Luminous flux	Dimensions; Weight (L x W x H);(kg)	Observations
RS 82023-006	100 W ¹	glass diffuser / PMMA lens	15900 lm	673 x 260 x 122 mm 6,6 kg	ENEC/ ENEC Plus
RS 82023-007	160 W ²	glass diffuser / PMMA lens	24000 lm	794 x 320 x 122 mm 9,6 kg	ENEC/ ENEC Plus
RS 82023-008	45 W ³	glass diffuser / PMMA lens	6880 lm	527 x 200 x 114 mm 3,7 kg	ENEC/ ENEC Plus
RS 82023-009	75 W ⁴	glass diffuser / PMMA lens	11440 lm	608 x 234 x 122 mm 5,2 kg	ENEC/ ENEC Plus
RS 82023-006D	100 W ¹	glass diffuser / PMMA lens	15900 lm	673 x 260 x 122 mm 6,7 kg	with controller
RS 82023-007D	160 W ²	glass diffuser / PMMA lens	24000 lm	794 x 320 x 122 mm 9,7 kg	with controller
RS 82023-008D	45 W ³	glass diffuser / PMMA lens	6880 lm	527 x 200 x 114 mm 3,8 kg	with controller
RS 82023-009D	75 W ⁴	glass diffuser / PMMA lens	11440 lm	608 x 234 x 122 mm 5,3 kg	with controller
RS 82023-006C2	100 W ¹	glass diffuser / PMMA lens	15900 lm	673 x 260 x 122 mm 6,6 kg	ingress protection II
RS 82023-007C2	160 W ²	glass diffuser / PMMA lens	24000 lm	794 x 320 x 122 mm 9,6 kg	ingress protection II
RS 82023-008C2	45 W ³	glass diffuser / PMMA lens	6880 lm	527 x 200 x 114 mm 3,7 kg	ingress protection II
RS 82023-009C2	75 W ⁴	glass diffuser / PMMA lens	11440 lm	608 x 234 x 122 mm 5,2 kg	ingress protection II

¹ At customer's request the power may have values between 75 - 100 W;

² At customer's request the power may have values between 100 - 160 W;

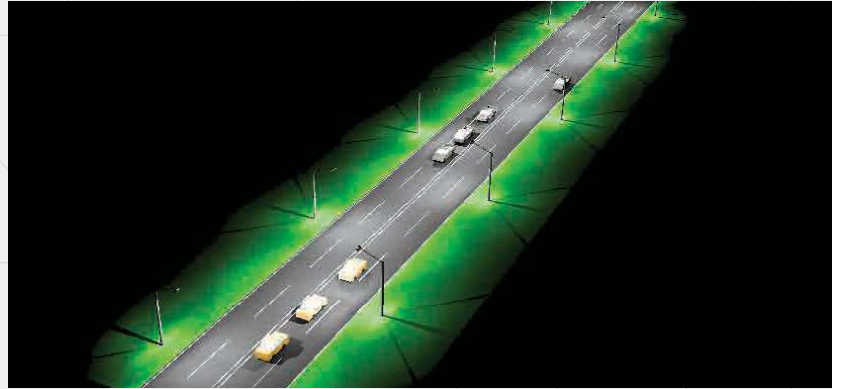
³ At customer's request the power may have values between 20 - 45 W;

⁴ At customer's request the power may have values between 45 - 75 W;

Compliance standards :
 SR EN 60598-1:2015
 +AC:2016
 SR EN 60598-2-3:2004
 +A1:2012
 SR EN 62031:2009+A1:2013
 +A2:2015
 SR EN 55015:2014+A1:2015
 SR EN 61000-3-2:2015
 SR EN 61000-3-3:2014
 SR EN 61547:2010



EVOCITY



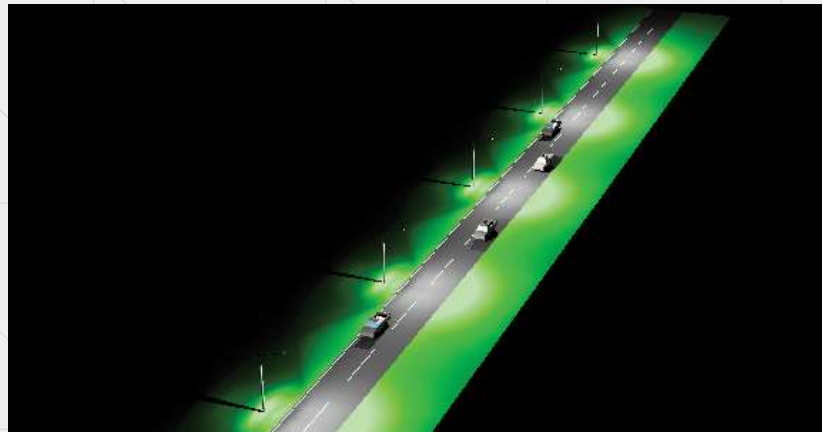
Calculation area list

Evaluation field: Street 1
 Length: 35.000 m, Width: 14.000 m
 Raster: 12 x 12 Points
 Attached street elements: Street 1.
 Covering: R3, q0: 0.070
 Selected illumination class: ME3

(All photometric requirements are met.)

Calculated values:	Lm [cd/m ²]	U0	UI	TI [%]	SR
Necessary values according to class:	1.51	0.71	0.71	2	0.69
Acquired/ Not acquired:	≥ 1.50	≥ 0.40	≥ 0.71	≤ 10	≥ 0.50
	✓	✓	✓	✓	✓

EVOCITY



Calculation area list

Evaluation field: Street 1
 Length: 35.000 m, Width: 7.000 m
 Raster: 12 x 6 Points
 Attached street elements: Street 1.
 Covering: R2, q0: 0.070
 Selected illumination class: ME3

(All photometric requirements are met.)

Calculated values:	Lm [cd/m ²]	U0	UI	TI [%]	SR
Necessary values according to class:	0.32	0.49	0.46	3	0.69
Acquired/ Not acquired:	≥ 0.30	≥ 0.35	≥ 0.40	≤ 15	/
	✓	✓	✓	✓	✓