ЮНИА-Т ЕООД
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EVELUX



... dustproof and waterproof floodlight.

USE

The luminaire is perfect for roads, residential areas, parking lots, and outdoor spaces.

The luminaire feature protection against dust, moisture, and splashing water.

ADVANTAGES

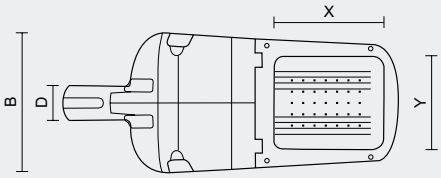
- Light fitting protection **IP66**
- Ambient temperature from **t_a = -40 °C** up to **t_a = 45 °C**
- Lifetime: 100,000 hours / L80B20
- Body: aluminium alloy, grey colour (RAL 7021)
- Reflector cover made of thermo-hardened safety glass
- Standard model - CRI > 70: 2700 K, 3000 K
- At request CRI > 70: 4000 K, 5000 K
- Optional optical luminaire system
- Surge protector 10 kV
- Certification: ESČ, CB, ENEC, BALL-PROOF

EVELUX



TECHNICAL DESCRIPTION

- Light fitting protection: IP66
- Maximum ambient temperature: t_a = 45 °C,
- Maximum system efficacy: 153 lm/W
- The watt and lumen values can vary by ± 7,5 %
- CRI > 70, CCT = 2700 K, 3000 K
- MacAdam = 4 SDCM
- Lifetime: 100,000 hours / L80B20
- 50.000 hours / L90B10
- Body: aluminium alloy, grey colour (RAL 7021)
- Cover: heat-hardened safety glass
- Terminal block: screwed, three-poles terminal with disconnector for conductor cross-section max. 4 mm^2
- Cable glands: PG 9
- Installation: tilt bracket included
- Electric equipment:
  - LED modules, surge protection 10 kV
  - On/Off driver with CLO and midnight function
  - DALI Zhaga socket driver
- Optics with a glare shield on request
- Adjustable tilt ± 20°



*) Outer diameter of the jib or pole, not the inner diameter of the luminaire flange

	A	B	C	D*	X	Y
XS	568	227	100	60	137	156
S	630	265	95	60	185	150
M	720	310	100	60	235	200
L	870	345	127	76	345	250



Type	Ambient temperature [°C]	Luminous flux of LED modules [lm]	Luminous flux of light fitting [lm]	Power consumption [W]	System efficacy [lm/W]	Net weight [kg]
For ambient temperature max. ta = 45°C - Body: aluminium alloy, grey colour						
EVELUX XS 16/310/727	45	2680	2310	16,3	142	3,5
EVELUX XS 16/450/727	45	3810	3280	23,1	142	3,5
EVELUX XS 16/600/727	45	4990	4300	30,7	140	3,5
EVELUX S 16/310/727	45	2700	2320	16,3	142	5
EVELUX S 24/310/727	45	3950	3400	23,9	142	5
EVELUX S 24/450/727	45	5690	4900	33,9	145	5
EVELUX S 24/600/727	45	7500	6460	45,3	143	5
EVELUX M 32/310/727	45	5340	4600	31,4	146	7,2
EVELUX M 48/310/727	45	7950	6840	45,3	151	7,2
EVELUX M 48/450/727	45	11410	9820	65,3	150	7,2
EVELUX M 48/600/727	45	14980	12900	88,1	146	7,2
EVELUX L 96/310/727	45	15900	13690	90,6	151	10
EVELUX L 96/450/727	40	22810	19640	130,6	150	10
EVELUX L 96/550/727	35	27460	23640	161,5	146	10
EVELUX XS 16/310/730	45	2720	2340	16,3	144	3,5
EVELUX XS 16/450/730	45	3870	3330	23,1	144	3,5
EVELUX XS 16/600/730	45	5070	4370	30,7	142	3,5
EVELUX S 16/310/730	45	2740	2360	16,3	145	5
EVELUX S 24/310/730	45	4010	3450	23,9	144	5
EVELUX S 24/450/730	45	5780	4980	33,9	147	5
EVELUX S 24/600/730	45	7610	6550	45,3	145	5
EVELUX M 32/310/730	45	5420	4670	31,4	149	7,2
EVELUX M 48/310/730	45	8070	6950	45,3	153	7,2
EVELUX M 48/450/730	45	11580	9970	65,3	153	7,2
EVELUX M 48/600/730	45	15210	13100	88,1	149	7,2
EVELUX L 96/310/730	45	16140	13900	90,6	153	10
EVELUX L 96/450/730	40	23160	19940	130,6	153	10
EVELUX L 96/550/730	35	27880	24000	161,5	149	10

EVELUX

Driver 1 PN

Type	WR2	AS	CP	MR1	EWS1	EP	WR1	CW1	WR3	TE	CW2	NR	CW1-90	T3	LN1	DNW	LW1	LM1
EVELUX XS 16/310/727	104542	104529	104530	104537	104535	104534	104541	104531	104543	104540	104533	104539	104532	111509	111537	111565	111593	111621
EVELUX XS 16/450/727	104558	104545	104546	104553	104551	104550	104557	104547	104559	104556	104549	104555	104548	111510	111538	111566	111594	111622
EVELUX XS 16/600/727	104574	104561	104562	104569	104567	104566	104573	104563	104575	104572	104565	104571	104564	111511	111539	111567	111595	111623
EVELUX S 16/310/727	104430	104401	104402	104425	104423	104422	104429	104403	104431	104428	104405	104427	104404	111512	111540	111568	111596	111624
EVELUX S 24/310/727	104462	104433	104434	104457	104455	104454	104461	104435	104463	104460	104437	104459	104436	111513	111541	111569	111597	111625
EVELUX S 24/450/727	104494	104465	104466	104489	104487	104486	104493	104467	104495	104492	104469	104491	104468	111514	111542	111570	111598	111626
EVELUX S 24/600/727	104526	104497	104498	104521	104519	104518	104525	104499	104527	104524	104501	104523	104500	111515	111543	111571	111599	111627
EVELUX M 32/310/727	104302	104273	104274	104297	104295	104294	104301	104275	104303	104300	104277	104299	104276	111516	111544	111572	111600	111628
EVELUX M 48/310/727	104334	104305	104306	104329	104327	104326	104333	104307	104335	104332	104309	104331	104308	111517	111545	111573	111601	111629
EVELUX M 48/450/727	104366	104337	104338	104361	104359	104358	104365	104339	104367	104364	104341	104363	104340	111518	111546	111574	111602	111630
EVELUX M 48/600/727	104398	104369	104370	104393	104391	104390	104397	104371	104399	104396	104373	104395	104372	111519	111547	111575	111603	111631
EVELUX L 96/310/727	104206	104177	104178	104201	104199	104198	104205	104179	104207	104204	104181	104203	104180	111520	111548	111576	111604	111632
EVELUX L 96/450/727	104238	104209	104210	104233	104231	104230	104237	104211	104239	104236	104213	104235	104212	111521	111549	111577	111605	111633
EVELUX L 96/550/727	104270	104241	104242	104265	104263	104262	104269	104243	104271	104268	104245	104267	104244	111522	111550	111578	111606	111634
EVELUX XS 16/310/730	104942	104929	104930	104937	104935	104934	104941	104931	104943	104940	104933	104939	104932	111523	111551	111579	111607	111635
EVELUX XS 16/450/730	104958	104945	104946	104953	104951	104950	104957	104947	104959	104956	104949	104955	104948	111524	111552	111580	111608	111636
EVELUX XS 16/600/730	104974	104961	104962	104969	104967	104966	104973	104963	104975	104972	104965	104971	104964	111525	111553	111581	111609	111637
EVELUX S 16/310/730	104830	104801	104802	104825	104823	104822	104829	104803	104831	104828	104805	104827	104804	111526	111554	111582	111610	111638
EVELUX S 24/310/730	104862	104833	104834	104857	104855	104854	104861	104835	104863	104860	104837	104859	104836	111527	111555	111583	111611	111639
EVELUX S 24/450/730	104894	104865	104866	104889	104887	104886	104893	104867	104895	104892	104869	104891	104868	111528	111556	111584	111612	111640
EVELUX S 24/600/730	104926	104897	104898	104921	104919	104918	104925	104899	104927	104924	104901	104923	104900	111529	111557	111585	111613	111641
EVELUX M 32/310/730	104702	104673	104674	104697	104695	104694	104701	104675	104703	104700	104677	104699	104676	111530	111558	111586	111614	111642
EVELUX M 48/310/730	104734	104705	104706	104729	104727	104726	104733	104707	104735	104732	104709	104731	104708	111531	111559	111587	111615	111643
EVELUX M 48/450/730	104766	104737	104738	104761	104759	104758	104765	104739	104767	104764	104741	104763	104740	111532	111560	111588	111616	111644
EVELUX M 48/600/730	104798	104769	104770	104793	104791	104790	104797	104771	104799	104796	104773	104795	104772	111533	111561	111589	111617	111645
EVELUX L 96/310/730	104606	104577	104578	104601	104599	104598	104605	104579	104607	104604	104581	104603	104580	111534	111562	111590	111618	111646
EVELUX L 96/450/730	104638	104609	104610	104633	104631	104630	104637	104611	104639	104636	104613	104635	104612	111535	111563	111591	111619	111647
EVELUX L 96/550/730	104670	104641	104642	104665	104663	104662	104669	104643	104671	104668	104645	104667	104644	111536	111564	111592	111620	111648

102276 Setting: Midnight function.

EVELUX DALI

Digitally dimmable driver DALI 4 PN

Type	WR2	AS	CP	MR1	EWS1	EP	WR1	CW1	WR3	TE	CW2	NR	CW1-90	T3	LN1	DNW	LW1	LM1
EVELUX XS 16/310/727 DALI	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
EVELUX XS 16/450/727 DALI	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
EVELUX XS 16/600/727 DALI	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
EVELUX S 16/310/727 DALI	104419	104406	104407	104414	104412	104411	104418	104408	104420	104417	104410	104416	104409	111649	111671	111693	111715	111737
EVELUX S 24/310/727 DALI	104451	104438	104439	104446	104444	104443	104450	104440	104452	104449	104442	104448	104441	111650	111672	111694	111716	111738
EVELUX S 24/450/727 DALI	104483	104470	104471	104478	104476	104475	104482	104472	104484	104481	104474	104480	104473	111651	111673	111695	111717	111739
EVELUX S 24/600/727 DALI	104515	104502	104503	104510	104508	104507	104514	104504	104516	104513	104506	104512	104505	111652	111674	111696	111718	111740
EVELUX M 32/310/727 DALI	104291	104278	104279	104286	104284	104283	104290	104280	104292	104289	104282	104288	104281	111653	111675	111697	111719	111741
EVELUX M 48/310/727 DALI	104323	104310	104311	104318	104316	104315	104322	104312	104324	104321	104314	104320	104313	111654	111676	111698	111720	111742
EVELUX M 48/450/727 DALI	104355	104342	104343	104350	104348	104347	104354	104344	104356	104353	104346	104352	104345	111655	111677	111699	111721	111743
EVELUX M 48/600/727 DALI	104387	104374	104375	104382	104380	104379	104386	104376	104388	104385	104378	104384	104377	111656	111678	111700	111722	111744
EVELUX L 96/310/727 DALI	104195	104182	104183	104190	104188	104187	104194	104184	104196	104193	104186	104192	104185	111657	111679	111701	111723	111745
EVELUX L 96/450/727 DALI	104227	104214	104215	104222	104220	104219	104226	104216	104228	104225	104218	104224	104217	111658	111680	111702	111724	111746
EVELUX L 96/550/727 DALI	104259	104246	104247	104254	104252	104251	104258	104248	104260	104257	104250	104256	104249	111659	111681	111703	111725	111747
EVELUX XS 16/310/730 DALI	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
EVELUX XS 16/450/730 DALI	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
EVELUX XS 16/600/730 DALI	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
EVELUX S 16/310/730 DALI	104819	104806	104807	104814	104812	104811	104818	104808	104820	104817	104810	104816	104809	111660	111682	111704	111726	111748
EVELUX S 24/310/730 DALI	104851	104838	104839	104846	104844	104843	104850	104840	104852	104849	104842	104848	104841	111661	111683	111705	111727	111749
EVELUX S 24/450/730 DALI	104883	104870	104871	104878	104876	104875	104882	104872	104884	104881	104874	104880	104873	111662	111684	111706	111728	111750
EVELUX S 24/600/730 DALI	104915	104902	104903	104910	104908	104907	104914	104904	104916	104913	104906	104912	104905	111663	111685	111707	111729	111751
EVELUX M 32/310/730 DALI	104691	104678	104679	104686	104684	104683	104690	104680	104692	104689	104682	104688	104681	111664	111686	111708	111730	111752
EVELUX M 48/310/730 DALI	104723	104710	104711	104718	104716	104715	104722	104712	104724	104721	104714	104720	104713	111665	111687	111709	111731	111753
EVELUX M 48/450/730 DALI	104755	104742	104743	104750	104748	104747	104754	104744	104756	104753	104746	104752	104745	111666	111688	111710	111732	111754
EVELUX M 48/600/730 DALI	104787	104774	104775	104782	104780	104779	104786	104776	104788	104785	104778	104784	104777	111667	111689	111711	111733	111755
EVELUX L 96/310/730 DALI	104595	104582	104583	104590	104588	104587	104594	104584	104596	104593	104586	104592	104585	111668	111690	111712	111734	111756
EVELUX L 96/450/730 DALI	104627	104614	104615	104622	104620	104619	104626	104616	104628	104625	104618	104624	104617	111669	111691	111713	111735	111757
EVELUX L 96/550/730 DALI	104659	104646	104647	104654	104652	104651	104658	104648	104660	104657	104650	104656	104649	111670	111692	111714	111736	111758

102276 Setting: Midnight function.

LEGEND

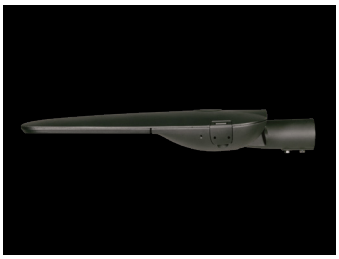
DALI – version with digital dimmable driver DALI Zhaga socket
AS – Asymmetric – asymmetric optics
CP – Central parking – for indoor parking lots
MR1* – Main road – arterial roads
EWS1 – Extra wide street – extra wide roads
EP – Edge parking – edges and corner areas of parking lots
WR1 – Wide road – for sidewalks and residential areas
WR2 – Wide road – for sidewalks and driveways
CW1 – Crosswalk – pedestrian crossings or cycle paths
WR3 – Wide road – for sidewalks and driveways
TE – Tunnel entrance – for tunnel, underpasses and buildings entrances
CW2 – Crosswalk – pedestrian crossings or cycle paths
NR – Narrow road – local roads
T3* – Type III Road Beam – medium-wide beam for street / parking / pathway
LN1* – Narrow Beam – for roads with high poles or narrow widths
DNW* – Soft Wide Beam – uniform light for safe and pleasant environments
LW* – Longitudinal Wide Beam – for wide roadways with minimal glare
LM1* – Longitudinal Medium Beam – for versatile roads applications

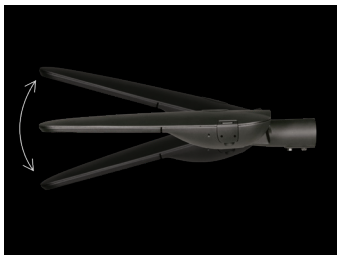
*) Optics with a glare shield on request. Glare shields are used to limit the backward light emission from luminaires. They eliminate unwanted light behind the pole and help meet legislative requirements for reducing light pollution.

- **Black glare shield:** provides the best blocking of backward light
- **White glare shield:** allows higher luminous efficiency

LIGHT FITTING ATTACHMENT

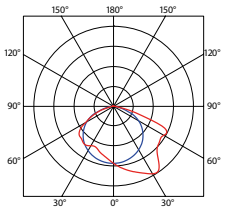
a) Wall-mounted installation using the wall jib
b) Pole-mounted installation using the pointed jib
c) Pole-mounted installation using the arched jib
d) Pole-mounted installation





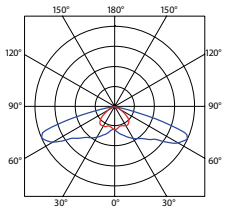

EVELUX - OPTICS

AS
ASYMETRIC



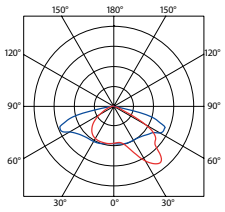
ASYMETRIC

CP
CENTRAL PARKING



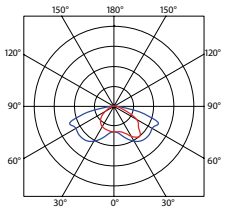
TYPE I

MR1
MAIN ROAD



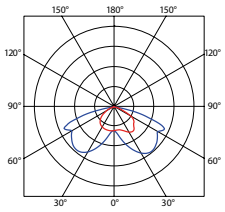
TYPE II ME3A

EWS1
EXTRA WIDE STREET



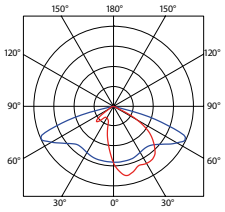
TYPE III - M

EP
EDGE PARKING



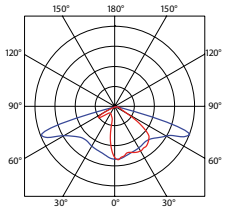
TYPE IV

WR1
WIDE ROAD



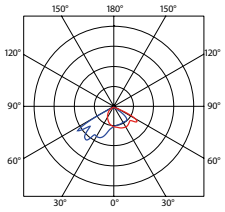
TYPE II / III

WR2
WIDE ROAD



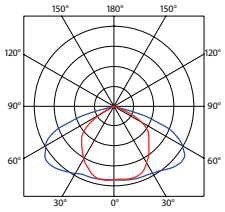
TYPE II OPTI

CW1
CROSSWALK



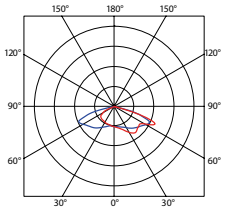
CROSSWALKS

WR3
WIDE ROAD



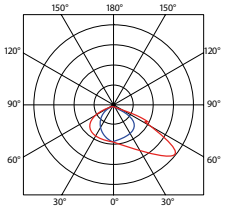
TYPE I CENTRAL LANE

TE
TUNEL ENTRANCE



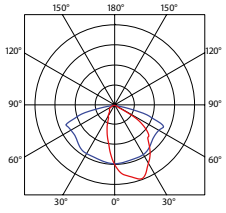
TYPE IV TUNNEL ENTRANCE

CW2
CROSSWALK



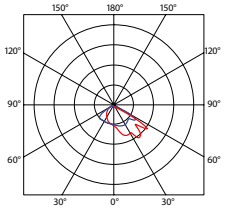
CROSSWALKS

NR
NARROW ROAD



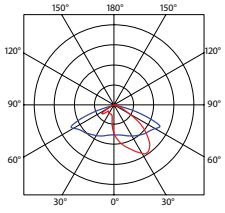
TYPE II ME3

CW1-90
CROSSWALK



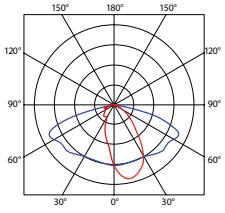
CROSSWALKS

T3
TYPE III ROAD BEAM



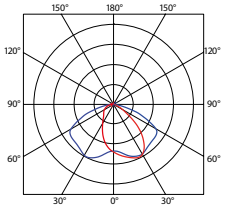
TYPE III ROAD BEAM

LN1
NARROW BEAM



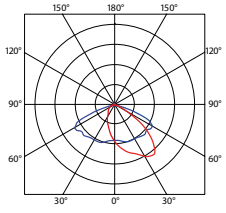
EN13201 ROAD LIGHTING

DNW
SOFT WIDE BEAM



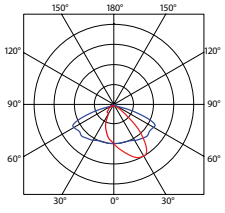
COMFORT-ORIENTED

LW1
LONGITUDINAL WIDE BEAM



EN13201 ROAD LIGHTING

LM1
LONGITUDINAL MED. BEAM



EN13201 ROAD LIGHTING

C0
C90