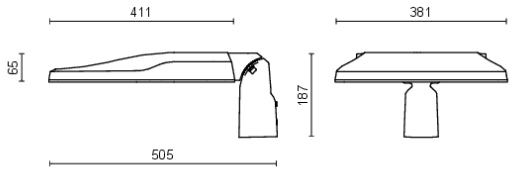
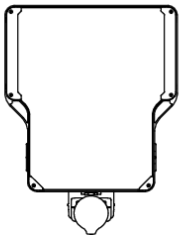
Product Data Sheet

Outdoor lighting







IP66 ULR 0% CIE >95% CB

NOESI M PT GENERAL CHARACTERISTICS	
Applications	Outdoor lighting
Optics	**1H:** Asymmetrical H-L20; **2H:** Asymmetric H-L12; **1I:** Regular I-L15; **1L:** Regular Low TI L-L19; **1O:** Wide O-L23; **1P:** Narrow P-L24; **1Q:** Extra Wide Q-L17; **1T:** Extra-Wide Optics 1T-L25; **1X:** Front-Back Wide Optics 1X-L26; **1Y:** Front-Back Narrow Optics 1Y-L34;
Colour temperature	**1:** Cool White 5,500K; **8:** Neutral White 4,000K; **2:** Warm White 3,000K; **5:** Warm White 2,700K; **9:** Extra Warm White 2,200K;
CRI and color tolerance (SDCM)	70, on request 80 and 90 Colour tolerance between several luminaires Max. 5 MacAdam steps; on request 3 MacAdam steps
Photobiological safety class	Exempt Group
Insulation class	Class II Class I
Degree of protection	IK09
IP Grade	IP66
Wiring	H07RN-F cable + IP65 connector
Dimensions	461 x 381 x 158mm
Weight	6 kg
ELECTRICAL CHARACTERISTICS	
Power supply	220-240Vac 50/60Hz, su richiesta 120-270V
Power factor	> 0,97 (at full load)
Control system	1-10V, "virtual midnight" automatic dimming system up to 5 steps, CLO and DALI-2 function; Zhaga 18 on request
Overvoltage protection	
Operating temperature	-35°C +50°C
Optical unit life (Ta from -10°C to 45°C)	L90 B10 > 100.000 hr @ tA max 50 °C

The product features are subject to change at the sole discretion of the manufacturer. Tolerances depend on various factors (including the power curve, operating temperature, the components used, etc.) and are subject to confirmation by the manufacturer. Please contact the technical office for more information.

MATERIALS	
Fixing	Mounting bracket for vertical or horizontal installation on a pole head or arm. Head/pole for vertical or horizontal poles, adjustable from -15° to +20°
Heatsink	Die-cast aluminium
Frame	Die-cast aluminium
Optics	Multi-layer PMMA lenses
Screen	Flat tempered glass 5 mm thick, resistant to thermal shock and impact

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Product Data Sheet

Outdoor lighting

POWER AND OPTICAL FLUX | 1H (T_{amb}=25°C)

		2200 K		2700 K		3000 K		4000 K	
CODE	CODE	Flux (lm)	Efficiency	Flux (lm)	Efficiency	Flux (lm)	Efficiency	Flux (lm)	Efficiency
NOMB___012_____	66,0	8.418	128	9.356	142	9.622	146	10.540	160
NOMB___022_____	75,0	9.359	125	10.402	139	10.698	143	11.719	156
NOMB___032_____	84,0	10.268	122	11.413	136	11.738	140	12.858	153
NOMB___042_____	92,0	11.494	125	12.775	139	13.139	143	14.393	156
NOMB___052_____	101,0	12.521	124	13.916	138	14.313	142	15.678	155
NOMB___062_____	109,0	14.044	129	15.609	143	16.054	147	17.586	161
NOMB___072_____	121,0	15.457	128	17.179	142	17.669	146	19.355	160
NOMB___082_____	137,0	17.248	126	19.170	140	19.717	144	21.598	158

POWER AND OPTICAL FLUX | 2H (T_{amb}=25°C)

		2200 K		2700 K		3000 K		4000 K	
CODE	CODE	Flux (lm)	Efficiency	Flux (lm)	Efficiency	Flux (lm)	Efficiency	Flux (lm)	Efficiency
NOMB___012_____	66,0	8.506	129	9.454	143	9.724	147	10.651	161
NOMB___022_____	75,0	9.457	126	10.511	140	10.811	144	11.842	158
NOMB___032_____	84,0	10.376	124	11.533	137	11.861	141	12.993	155
NOMB___042_____	92,0	11.615	126	12.909	140	13.277	144	14.544	158
NOMB___052_____	101,0	12.652	125	14.062	139	14.463	143	15.843	157
NOMB___062_____	109,0	14.192	130	15.773	145	16.223	149	17.771	163
NOMB___072_____	121,0	15.619	129	17.360	143	17.855	148	19.558	162
NOMB___082_____	137,0	17.429	127	19.372	141	19.924	145	21.825	159

POWER AND OPTICAL FLUX | 1I (T_{amb}=25°C)

		2200 K		2700 K		3000 K		4000 K	
CODE	CODE	Flux (lm)	Efficiency	Flux (lm)	Efficiency	Flux (lm)	Efficiency	Flux (lm)	Efficiency
NOMB___012_____	66,0	8.545	129	9.498	144	9.769	148	10.701	162
NOMB___022_____	75,0	9.501	127	10.560	141	10.861	145	11.897	159
NOMB___032_____	84,0	10.424	124	11.586	138	11.916	142	13.053	155
NOMB___042_____	92,0	11.669	127	12.969	141	13.339	145	14.612	159
NOMB___052_____	101,0	12.711	126	14.128	140	14.530	144	15.917	158
NOMB___062_____	109,0	14.257	131	15.846	145	16.298	150	17.853	164
NOMB___072_____	121,0	15.691	130	17.440	144	17.937	148	19.649	162
NOMB___082_____	137,0	17.510	128	19.462	142	20.016	146	21.926	160

POWER AND OPTICAL FLUX | 1L (T_{amb}=25°C)

		2200 K		2700 K		3000 K		4000 K	
CODE	CODE	Flux (lm)	Efficiency	Flux (lm)	Efficiency	Flux (lm)	Efficiency	Flux (lm)	Efficiency
NOMB___012_____	66,0	8.670	131	9.637	146	9.911	150	10.857	165
NOMB___022_____	75,0	9.640	129	10.714	143	11.020	147	12.071	161
NOMB___032_____	84,0	10.577	126	11.755	140	12.090	144	13.244	158
NOMB___042_____	92,0	11.839	129	13.159	143	13.534	147	14.825	161
NOMB___052_____	101,0	12.897	128	14.334	142	14.743	146	16.149	160
NOMB___062_____	109,0	14.466	133	16.078	148	16.536	152	18.114	166
NOMB___072_____	121,0	15.921	132	17.695	146	18.200	150	19.936	165
NOMB___082_____	137,0	17.766	130	19.746	144	20.309	148	22.247	162

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Product Data Sheet

Outdoor lighting

POWER AND OPTICAL FLUX | 1O (T_{amb}=25°C)

		2200 K		2700 K		3000 K		4000 K	
CODE	CODE	Flux (lm)	Efficiency	Flux (lm)	Efficiency	Flux (lm)	Efficiency	Flux (lm)	Efficiency
NOMB___012_____	66,0	8.445	128	9.386	142	9.653	146	10.574	160
NOMB___022_____	75,0	9.389	125	10.435	139	10.733	143	11.757	157
NOMB___032_____	84,0	10.301	123	11.449	136	11.775	140	12.899	154
NOMB___042_____	92,0	11.531	125	12.816	139	13.181	143	14.439	157
NOMB___052_____	101,0	12.561	124	13.961	138	14.359	142	15.729	156
NOMB___062_____	109,0	14.089	129	15.659	144	16.105	148	17.642	162
NOMB___072_____	121,0	15.506	128	17.234	142	17.725	146	19.417	160
NOMB___082_____	137,0	17.303	126	19.232	140	19.780	144	21.667	158

POWER AND OPTICAL FLUX | 1P (T_{amb}=25°C)

		2200 K		2700 K		3000 K		4000 K	
CODE	CODE	Flux (lm)	Efficiency	Flux (lm)	Efficiency	Flux (lm)	Efficiency	Flux (lm)	Efficiency
NOMB___012_____	66,0	8.530	129	9.481	144	9.751	148	10.681	162
NOMB___022_____	75,0	9.484	126	10.541	141	10.841	145	11.876	158
NOMB___032_____	84,0	10.405	124	11.565	138	11.895	142	13.030	155
NOMB___042_____	92,0	11.648	127	12.946	141	13.315	145	14.585	159
NOMB___052_____	101,0	12.688	126	14.102	140	14.504	144	15.888	157
NOMB___062_____	109,0	14.232	131	15.818	145	16.269	149	17.821	163
NOMB___072_____	121,0	15.663	129	17.409	144	17.905	148	19.613	162
NOMB___082_____	137,0	17.479	128	19.426	142	19.980	146	21.887	160

POWER AND OPTICAL FLUX | 1Q (T_{amb}=25°C)

		2200 K		2700 K		3000 K		4000 K	
CODE	CODE	Flux (lm)	Efficiency	Flux (lm)	Efficiency	Flux (lm)	Efficiency	Flux (lm)	Efficiency
NOMB___012_____	66,0	7.667	116	8.521	129	8.764	133	9.600	145
NOMB___022_____	75,0	8.524	114	9.474	126	9.744	130	10.674	142
NOMB___032_____	84,0	9.353	111	10.395	124	10.691	127	11.711	139
NOMB___042_____	92,0	10.469	114	11.636	126	11.967	130	13.109	142
NOMB___052_____	101,0	11.404	113	12.675	125	13.036	129	14.280	141
NOMB___062_____	109,0	12.792	117	14.217	130	14.622	134	16.017	147
NOMB___072_____	121,0	14.078	116	15.647	129	16.093	133	17.629	146
NOMB___082_____	137,0	15.710	115	17.461	127	17.958	131	19.672	144

POWER AND OPTICAL FLUX | 1T (T_{amb}=25°C)

		2200 K		2700 K		3000 K		4000 K	
CODE	CODE	Flux (lm)	Efficiency	Flux (lm)	Efficiency	Flux (lm)	Efficiency	Flux (lm)	Efficiency
NOMB___012_____	66,0	8.111	123	9.015	137	9.272	140	10.157	154
NOMB___022_____	75,0	9.018	120	10.023	134	10.309	137	11.292	151
NOMB___032_____	84,0	9.894	118	10.997	131	11.310	135	12.389	147
NOMB___042_____	92,0	11.076	120	12.310	134	12.661	138	13.869	151
NOMB___052_____	101,0	12.065	119	13.409	133	13.791	137	15.107	150
NOMB___062_____	109,0	13.532	124	15.041	138	15.469	142	16.945	155
NOMB___072_____	121,0	14.894	123	16.553	137	17.025	141	18.650	154
NOMB___082_____	137,0	16.620	121	18.472	135	18.999	139	20.811	152

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POWER AND OPTICAL FLUX | 1X (T_{amb}=25°C)

		2200 K		2700 K		3000 K		4000 K	
CODE	CODE	Flux (lm)	Efficiency	Flux (lm)	Efficiency	Flux (lm)	Efficiency	Flux (lm)	Efficiency
NOMB___012_____	66,0	8.388	127	9.323	141	9.588	145	10.503	159
NOMB___022_____	75,0	9.326	124	10.365	138	10.660	142	11.678	156
NOMB___032_____	84,0	10.232	122	11.372	135	11.696	139	12.812	153
NOMB___042_____	92,0	11.454	125	12.730	138	13.093	142	14.342	156
NOMB___052_____	101,0	12.476	124	13.867	137	14.262	141	15.623	155
NOMB___062_____	109,0	13.994	128	15.554	143	15.997	147	17.524	161
NOMB___072_____	121,0	15.402	127	17.118	141	17.606	146	19.286	159
NOMB___082_____	137,0	17.187	125	19.102	139	19.647	143	21.522	157

POWER AND OPTICAL FLUX | 1Y (T_{amb}=25°C)

		2200 K		2700 K		3000 K		4000 K	
CODE	CODE	Flux (lm)	Efficiency	Flux (lm)	Efficiency	Flux (lm)	Efficiency	Flux (lm)	Efficiency
NOMB___012_____	66,0	8.290	126	9.214	140	9.476	144	10.380	157
NOMB___022_____	75,0	9.217	123	10.244	137	10.536	140	11.541	154
NOMB___032_____	84,0	10.112	120	11.239	134	11.560	138	12.663	151
NOMB___042_____	92,0	11.320	123	12.581	137	12.940	141	14.174	154
NOMB___052_____	101,0	12.331	122	13.705	136	14.095	140	15.440	153
NOMB___062_____	109,0	13.831	127	15.372	141	15.810	145	17.319	159
NOMB___072_____	121,0	15.222	126	16.918	140	17.401	144	19.061	158
NOMB___082_____	137,0	16.986	124	18.879	138	19.417	142	21.270	155

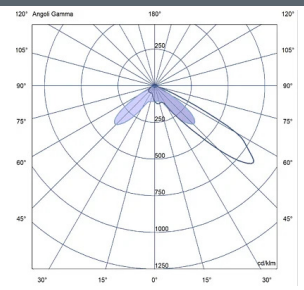
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Product Data Sheet

Outdoor lighting

OPTICS

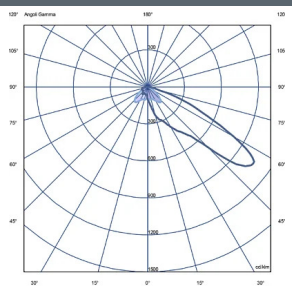
Asymmetrical H-L20





Asymmetrical Front Optics
L / H = 1,8 - 2,0

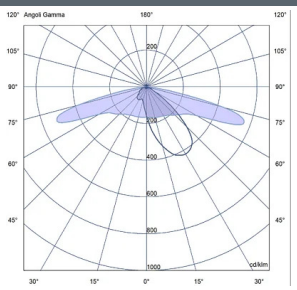
Asymmetric H-L12

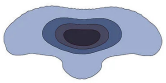




Asymmetrical optics - Very wide beam

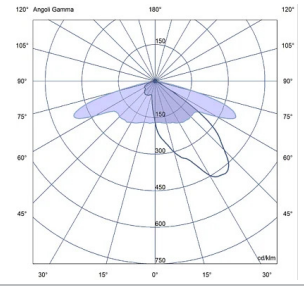
Regular I-L15





Asymmetrical street optics - Medium beam
L / H = 0,9 ÷ 1,1

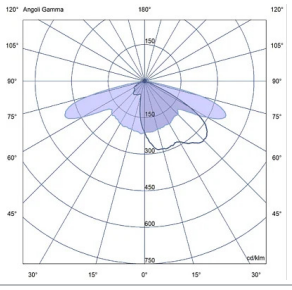
Regular Low TI L-L19

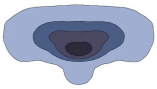




Regular Comfort L-L19
L / H = 1,0 - 1,2

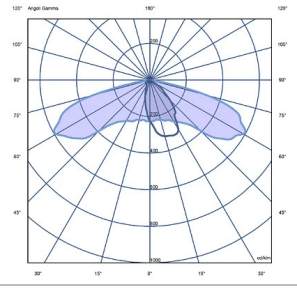
Wide O-L23





Asymmetrical Optics - Wide Beam
L / H = 1,1 ÷ 1,25

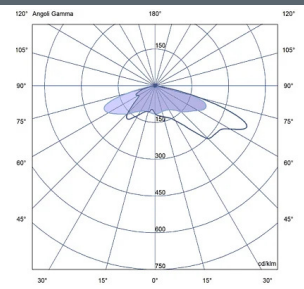
Narrow P-L24





Asymmetrical street optics - Narrow beam
L / H = 0,5 ÷ 0,9

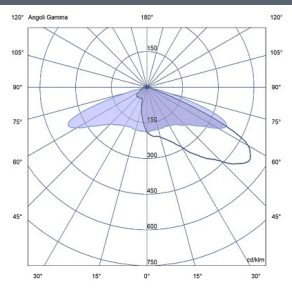
Extra Wide Q-L17

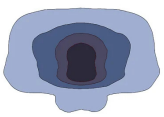




Asymmetrical optics - Very wide beam
L / H = 1,75 ÷ 2.3

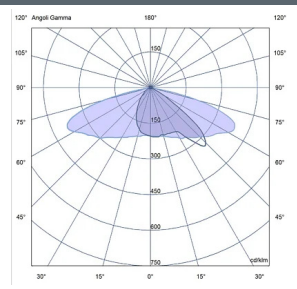
Extra-Wide Optics 1T-L25





Asymmetrical optics - Very wide beam
L / H Max 1,75

Front-Back Wide Optics 1X-L26





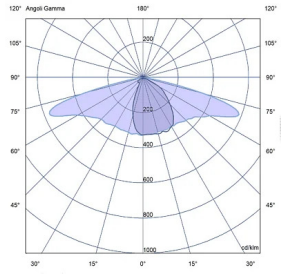
Front-Back Wide Street Optics
L / H = 1,2 ÷ 1,5

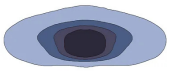
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Product Data Sheet

Outdoor lighting

Front-Back Narrow Optics 1Y-L34





Front-Back Narrow Street Optics
L / H = 0,5 ÷ 0,9

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Product Data Sheet

Outdoor lighting

CODING

	Optics	LED Color Temperature	Power *	Insulation Class (Input Range)	Control	Various	Cable	Protection	Program
NOMB	X	X	X	X	X	X	X	X	X
	1H Asymmetrical H-L20 **2H** Asymmetric H-L12 **1I** Regular I-L15 **1L** Regular Low TI L-L19 **1O** Wide O-L23 **1P** Narrow P-L24 **1Q** Extra Wide Q-L17 **1T** Extra-Wide Optics 1T-L25 **1X** Front-Back Wide Optics 1X-L26 **1Y** Front-Back Narrow Optics 1Y-L34	**1** Cool White 5,500K **8** Neutral White 4,000K **2** Warm White 3,000K **5** Warm White 2,700K **9** Extra Warm White 2,200K	**01** 66,0 W **02** 75,0 W **03** 84,0 W **04** 92,0 W **05** 101,0 W **06** 109,0 W **07** 121,0 W **08** 137,0 W	**2** Class II (220-240V) **1** Class I (120-270V)	**N** Standard **A** Sentronic Connect **D** Dali **S** Nema Socket **Y** Zhaga 18 **T** Zhaga 18 Bottom **W** Dual Zhaga 18	**L** Standard	**0** No cable **1** 0,4 m **2** 1 m **3** 3 m	**0** No **1** Disconnector **2** Fuse **3** Disconnector + fuse	**00** No dimming **0M** Virtual Midnight -2h70% **1Z** Virtual Midnight -2h70% + CLO **1C** No Dimming + CLO **#**

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