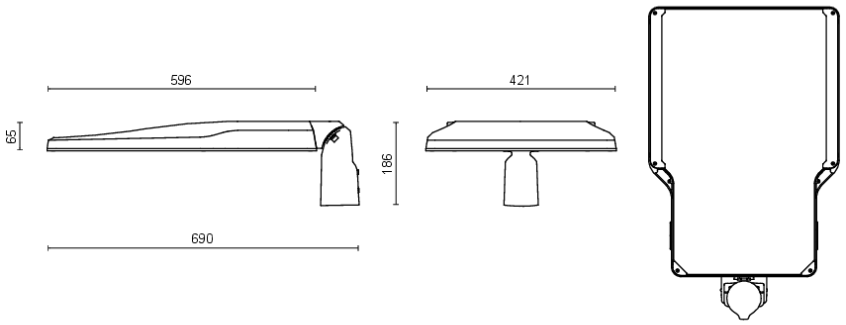
Product Data Sheet

Outdoor lighting





IP66 CE ULR 0% CIE >95% CB

NOESI L 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 I Class II
Degree of protection	IK09
IP Grade	IP66
Wiring	H07RN-F cable + IP65 connector
Dimensions	642 x 421 x 173mm
Weight	10 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

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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
NOLB___012_____	151,0	20.034	133	22.267	147	22.901	152	25.086	166
NOLB___022_____	172,0	22.499	131	25.006	145	25.719	150	28.173	164
NOLB___032_____	186,0	24.088	130	26.773	144	27.536	148	30.163	162
NOLB___042_____	201,0	25.086	125	27.882	139	28.677	143	31.413	156
NOLB___052_____	218,0	28.263	130	31.413	144	32.308	148	35.390	162
NOLB___062_____	239,0	30.739	129	34.164	143	35.138	147	38.491	161
NOLB___072_____	262,0	33.281	127	36.990	141	38.045	145	41.675	159
NOLB___082_____	291,0	36.399	125	40.456	139	41.609	143	45.579	157

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
NOLB___012_____	151,0	20.244	134	22.500	149	23.142	153	25.350	168
NOLB___022_____	172,0	22.735	132	25.269	147	25.989	151	28.469	166
NOLB___032_____	186,0	24.341	131	27.054	145	27.825	150	30.480	164
NOLB___042_____	201,0	25.350	126	28.175	140	28.978	144	31.743	158
NOLB___052_____	218,0	28.560	131	31.743	146	32.647	150	35.762	164
NOLB___062_____	239,0	31.062	130	34.523	144	35.507	149	38.895	163
NOLB___072_____	262,0	33.631	128	37.379	143	38.444	147	42.112	161
NOLB___082_____	291,0	36.782	126	40.881	140	42.046	144	46.058	158

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
NOLB___012_____	151,0	20.338	135	22.605	150	23.249	154	25.467	169
NOLB___022_____	172,0	22.840	133	25.386	148	26.109	152	28.601	166
NOLB___032_____	186,0	24.454	131	27.179	146	27.954	150	30.621	165
NOLB___042_____	201,0	25.467	127	28.306	141	29.112	145	31.890	159
NOLB___052_____	218,0	28.692	132	31.890	146	32.799	150	35.928	165
NOLB___062_____	239,0	31.205	131	34.683	145	35.672	149	39.075	163
NOLB___072_____	262,0	33.787	129	37.552	143	38.623	147	42.308	161
NOLB___082_____	291,0	36.952	127	41.070	141	42.241	145	46.271	159

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
NOLB___012_____	151,0	20.636	137	22.935	152	23.589	156	25.840	171
NOLB___022_____	172,0	23.174	135	25.757	150	26.491	154	29.019	169
NOLB___032_____	186,0	24.812	133	27.577	148	28.363	152	31.069	167
NOLB___042_____	201,0	25.840	129	28.719	143	29.538	147	32.356	161
NOLB___052_____	218,0	29.112	134	32.356	148	33.278	153	36.453	167
NOLB___062_____	239,0	31.662	132	35.190	147	36.193	151	39.647	166
NOLB___072_____	262,0	34.281	131	38.101	145	39.187	150	42.926	164
NOLB___082_____	291,0	37.493	129	41.671	143	42.859	147	46.948	161

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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
NOLB___012_____	151,0	20.098	133	22.338	148	22.974	152	25.166	167
NOLB___022_____	172,0	22.571	131	25.086	146	25.801	150	28.263	164
NOLB___032_____	186,0	24.165	130	26.858	144	27.624	149	30.259	163
NOLB___042_____	201,0	25.167	125	27.971	139	28.768	143	31.513	157
NOLB___052_____	218,0	28.353	130	31.513	145	32.411	149	35.504	163
NOLB___062_____	239,0	30.837	129	34.274	143	35.250	147	38.614	162
NOLB___072_____	262,0	33.388	127	37.109	142	38.166	146	41.808	160
NOLB___082_____	291,0	36.516	125	40.585	139	41.742	143	45.725	157

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
NOLB___012_____	151,0	20.302	134	22.564	149	23.207	154	25.421	168
NOLB___022_____	172,0	22.799	133	25.340	147	26.062	152	28.549	166
NOLB___032_____	186,0	24.410	131	27.130	146	27.904	150	30.566	164
NOLB___042_____	201,0	25.421	126	28.255	141	29.060	145	31.833	158
NOLB___052_____	218,0	28.640	131	31.832	146	32.740	150	35.863	165
NOLB___062_____	239,0	31.149	130	34.621	145	35.608	149	39.005	163
NOLB___072_____	262,0	33.726	129	37.485	143	38.553	147	42.231	161
NOLB___082_____	291,0	36.886	127	40.996	141	42.165	145	46.188	159

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
NOLB___012_____	151,0	18.247	121	20.281	134	20.859	138	22.849	151
NOLB___022_____	172,0	20.492	119	22.776	132	23.425	136	25.660	149
NOLB___032_____	186,0	21.940	118	24.385	131	25.080	135	27.473	148
NOLB___042_____	201,0	22.849	114	25.395	126	26.119	130	28.611	142
NOLB___052_____	218,0	25.742	118	28.611	131	29.427	135	32.234	148
NOLB___062_____	239,0	27.997	117	31.117	130	32.004	134	35.058	147
NOLB___072_____	262,0	30.313	116	33.691	129	34.652	132	37.958	145
NOLB___082_____	291,0	33.153	114	36.848	127	37.898	130	41.514	143

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
NOLB___012_____	151,0	19.304	128	21.455	142	22.067	146	24.172	160
NOLB___022_____	172,0	21.679	126	24.095	140	24.782	144	27.146	158
NOLB___032_____	186,0	23.211	125	25.797	139	26.533	143	29.064	156
NOLB___042_____	201,0	24.172	120	26.866	134	27.632	137	30.269	151
NOLB___052_____	218,0	27.233	125	30.268	139	31.131	143	34.101	156
NOLB___062_____	239,0	29.619	124	32.920	138	33.858	142	37.088	155
NOLB___072_____	262,0	32.069	122	35.643	136	36.659	140	40.156	153
NOLB___082_____	291,0	35.073	121	38.982	134	40.093	138	43.919	151

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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
NOLB___012_____	151,0	19.963	132	22.188	147	22.820	151	24.997	166
NOLB___022_____	172,0	22.419	130	24.918	145	25.628	149	28.073	163
NOLB___032_____	186,0	24.003	129	26.678	143	27.438	148	30.056	162
NOLB___042_____	201,0	24.997	124	27.783	138	28.575	142	31.302	156
NOLB___052_____	218,0	28.163	129	31.301	144	32.194	148	35.265	162
NOLB___062_____	239,0	30.630	128	34.043	142	35.014	147	38.354	160
NOLB___072_____	262,0	33.164	127	36.859	141	37.910	145	41.527	159
NOLB___082_____	291,0	36.270	125	40.313	139	41.462	142	45.418	156

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
NOLB___012_____	151,0	19.730	131	21.928	145	22.553	149	24.705	164
NOLB___022_____	172,0	22.157	129	24.626	143	25.328	147	27.745	161
NOLB___032_____	186,0	23.722	128	26.366	142	27.118	146	29.705	160
NOLB___042_____	201,0	24.705	123	27.459	137	28.241	141	30.936	154
NOLB___052_____	218,0	27.834	128	30.935	142	31.817	146	34.853	160
NOLB___062_____	239,0	30.272	127	33.645	141	34.604	145	37.906	159
NOLB___072_____	262,0	32.776	125	36.429	139	37.467	143	41.042	157
NOLB___082_____	291,0	35.847	123	39.841	137	40.977	141	44.887	154

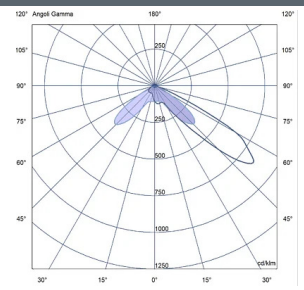
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Product Data Sheet

Outdoor lighting

OPTICS

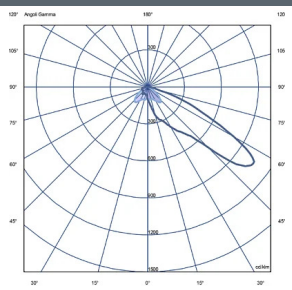
Asymmetrical H-L20





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

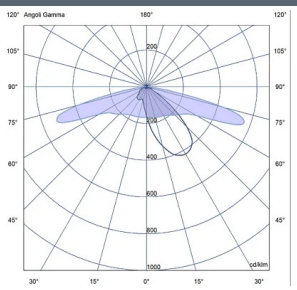
Asymmetric H-L12

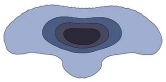




Asymmetrical optics - Very wide beam

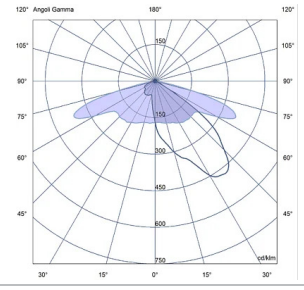
Regular I-L15

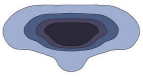




Asymmetrical street optics - Medium beam
L / H = 0,9 ÷ 1,1

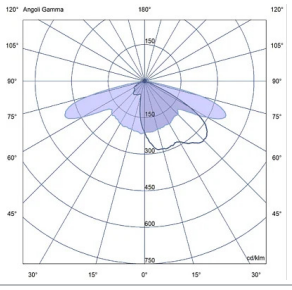
Regular Low TI L-L19

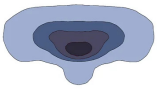




Regular Comfort L-L19
L / H = 1,0 - 1,2

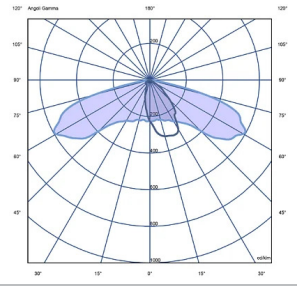
Wide O-L23





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

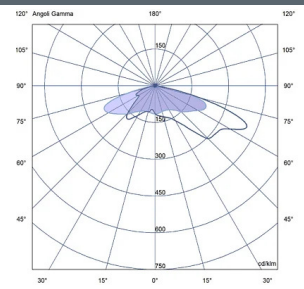
Narrow P-L24





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

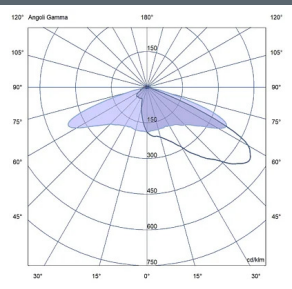
Extra Wide Q-L17

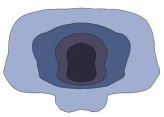




Asymmetrical optics - Very wide beam
L / H = 1,75 ÷ 2.3

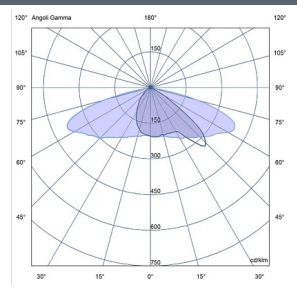
Extra-Wide Optics 1T-L25





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

Front-Back Wide Optics 1X-L26





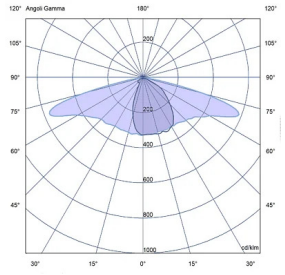
Front-Back Wide Street Optics
L / H = 1,2 ÷ 1,5

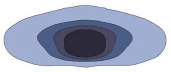
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Product Data Sheet

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
NOLB	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** 151,0 W **02** 172,0 W **03** 186,0 W **04** 201,0 W **05** 218,0 W **06** 239,0 W **07** 262,0 W **08** 291,0 W	**1** Class I (120-270V) **2** Class II (220-240V)	**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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