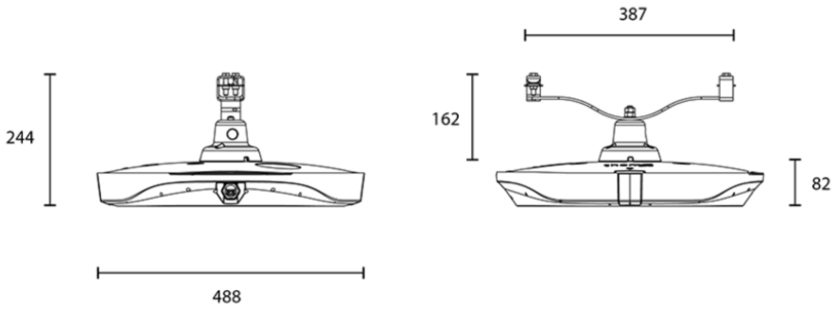




IP66 IK09 CE ULR 0% CIE >95% CB

THEMIS C GENERAL CHARACTERISTICS	
Applications	
Optics	**1S:** Symmetric S-SW07; **1Z:** Symmetric Z-L04; **1U:** Roto-Wide U-V04;
Colour temperature	**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)	Greater than or equal to 70 and S/P ratio ≥ 1.10. (as defined in UNI11248:2016) Colour tolerance between several luminaires Max. 4 steps MacAdam
Photobiological safety class	Exempt Group
Insulation class	Class II Class I
Degree of protection	IK09
IP Grade	IP66
Wiring	Exiting cable + connector - tool-free opening
Dimensions	diam 488 x 225mm
Weight	7 kg
ELECTRICAL CHARACTERISTICS	
Power supply	220-240 V 50/60 Hz; 120-270 V su richiesta
Power factor	> 0,97 (at full load)
Control system	"Virtual midnight" automatic dimming system with up to 5 steps, CLO function. 1-10, DALI-2, Zhaga 18, Sentronic Connect
Overvoltage protection	10kV differential mode, 10kV common mode, SPD 5kA on request
Operating temperature	-40°C +50°C
Optical unit life (Ta from -10°C to 45°C)	L90 B10 > 100.000 hr
MATERIALS	
Fixing	Suspension
Heatsink	Die-cast aluminum; Dark Coal RAL9005 Metallic finish
Frame	Die-cast aluminum; Dark Coal RAL9005 Metallic finish
Optics	Multi-layer PMMA lenses
Screen	

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.

POWER AND OPTICAL FLUX | 1S (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
THCB___012_____	12,9	1.697	132	1.886	146	1.940	150	2.125	165
THCB___022_____	15,4	2.066	134	2.296	149	2.362	153	2.587	168
THCB___032_____	17,6	2.391	136	2.658	151	2.734	155	2.995	170
THCB___042_____	20,6	2.816	137	3.130	152	3.219	156	3.526	171
THCB___052_____	23,8	3.278	138	3.643	153	3.747	157	4.104	172
THCB___062_____	27,4	3.759	137	4.178	152	4.297	157	4.708	172
THCB___072_____	31,7	4.331	137	4.814	152	4.951	156	5.424	171
THCB___082_____	35,4	4.814	136	5.350	151	5.503	155	6.028	170
THCB___092_____	39,4	5.425	138	6.029	153	6.201	157	6.793	172
THCB___102_____	44,8	5.996	134	6.664	149	6.854	153	7.508	168
THCB___112_____	53,6	7.059	132	7.845	146	8.069	151	8.839	165
THCB___122_____	61,8	8.056	130	8.953	145	9.209	149	10.087	163
THCB___132_____	68,2	8.792	129	9.771	143	10.050	147	11.009	161
THCB___142_____	75,9	9.651	127	10.726	141	11.032	145	12.085	159
THCB___152_____	82,4	10.377	126	11.533	140	11.862	144	12.994	158
THCB___162_____	92,1	10.955	119	12.176	132	12.523	136	13.718	149

POWER AND OPTICAL FLUX | 1Z (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
THCB___012_____	12,9	1.728	134	1.920	149	1.975	153	2.164	168
THCB___022_____	15,4	2.103	137	2.338	152	2.405	156	2.634	171
THCB___032_____	17,6	2.435	138	2.706	154	2.783	158	3.049	173
THCB___042_____	20,6	2.867	139	3.186	155	3.277	159	3.590	174
THCB___052_____	23,8	3.337	140	3.709	156	3.815	160	4.179	176
THCB___062_____	27,4	3.828	140	4.254	155	4.375	160	4.793	175
THCB___072_____	31,7	4.410	139	4.901	155	5.041	159	5.522	174
THCB___082_____	35,4	4.901	138	5.447	154	5.602	158	6.137	173
THCB___092_____	39,4	5.523	140	6.139	156	6.314	160	6.916	176
THCB___102_____	44,8	6.105	136	6.785	151	6.979	156	7.644	171
THCB___112_____	53,6	7.187	134	7.988	149	8.215	153	8.999	168
THCB___122_____	61,8	8.202	133	9.116	148	9.376	152	10.270	166
THCB___132_____	68,2	8.951	131	9.948	146	10.232	150	11.208	164
THCB___142_____	75,9	9.826	129	10.921	144	11.232	148	12.303	162
THCB___152_____	82,4	10.565	128	11.742	143	12.077	147	13.229	161
THCB___162_____	92,1	11.154	121	12.397	135	12.750	138	13.967	152

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.

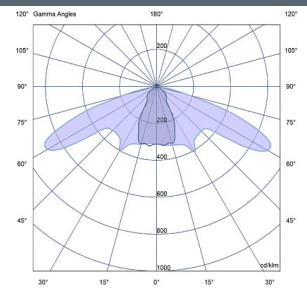
POWER AND OPTICAL FLUX | 1U
(T_{amb}=25°C)

		2200 K		2700 K		3000 K		4000 K	
CODE	CODE	Flux (lm)	Efficiency	Flux (lm)	Efficiency	Flux (lm)	Efficiency	Flux (lm)	Efficiency
THCB___012_____	12,9	1.661	129	1.846	143	1.899	147	2.080	161
THCB___022_____	15,4	2.022	131	2.248	146	2.312	150	2.532	164
THCB___032_____	17,6	2.341	133	2.602	148	2.676	152	2.931	167
THCB___042_____	20,6	2.756	134	3.064	149	3.151	153	3.451	168
THCB___052_____	23,8	3.208	135	3.566	150	3.667	154	4.017	169
THCB___062_____	27,4	3.680	134	4.090	149	4.206	154	4.608	168
THCB___072_____	31,7	4.240	134	4.712	149	4.847	153	5.309	167
THCB___082_____	35,4	4.712	133	5.237	148	5.386	152	5.900	167
THCB___092_____	39,4	5.310	135	5.902	150	6.070	154	6.649	169
THCB___102_____	44,8	5.869	131	6.523	146	6.709	150	7.349	164
THCB___112_____	53,6	6.909	129	7.679	143	7.898	147	8.652	161
THCB___122_____	61,8	7.885	128	8.764	142	9.014	146	9.874	160
THCB___132_____	68,2	8.605	126	9.565	140	9.837	144	10.776	158
THCB___142_____	75,9	9.446	124	10.499	138	10.798	142	11.829	156
THCB___152_____	82,4	10.157	123	11.289	137	11.611	141	12.719	154
THCB___162_____	92,1	10.723	116	11.918	129	12.258	133	13.428	146

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.

OPTICS

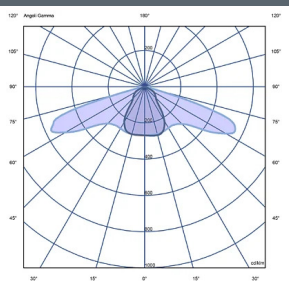
Symmetric S-SW07

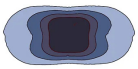




Symmetrical Optics
L / H = 1,0

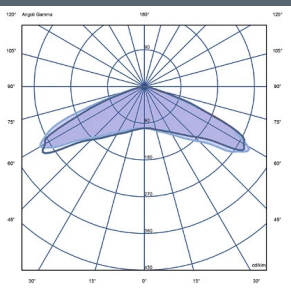
Symmetric Z-L04

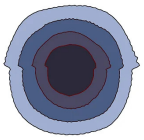




Symmetrical street optics - Medium beam
L / H = 1,2

Roto-Wide U-V04

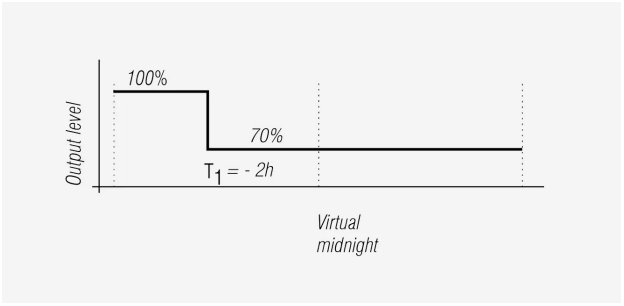




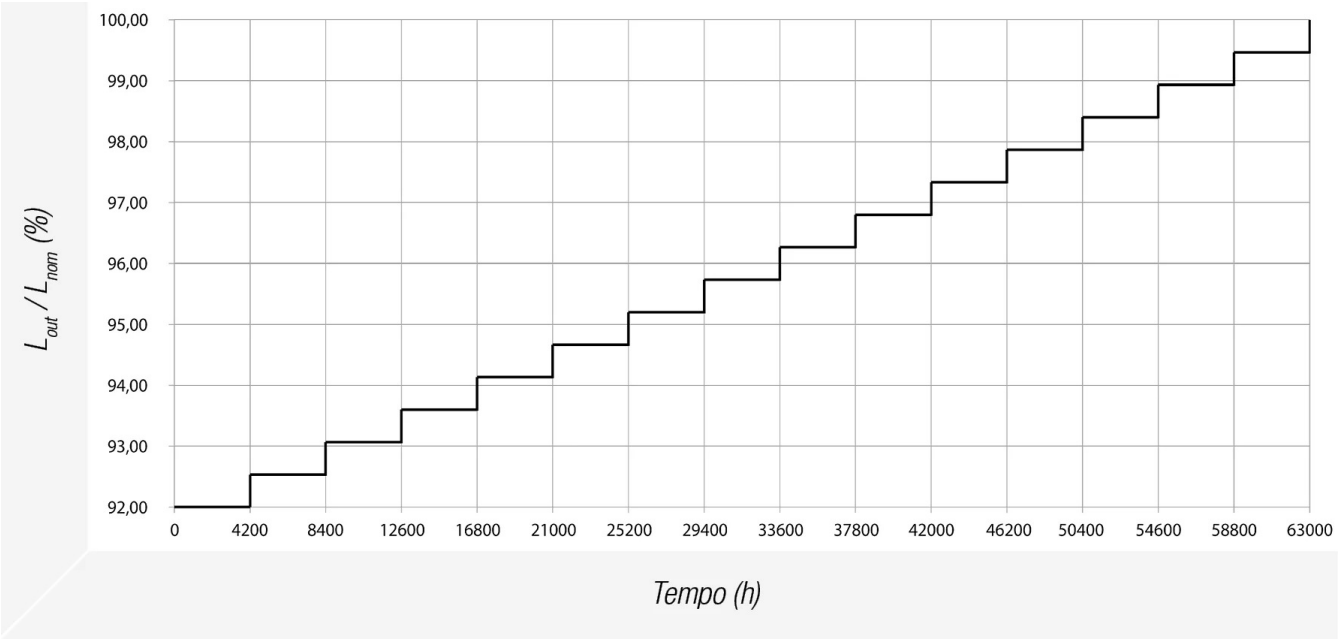
Rotosymmetrical road optics - Wide beam

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.

DIMMING



STANDARD CLO PROFILE



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.

CODING

	Optics	LED Color Temperature	Power *	Insulation Class (Input Range)	Control	Various	Cable	Protection	Program	Support
THCB	X	X	X	X	X	X	X	X	X	X
	1S Symmetric S-SW07 **1Z** Symmetric Z-L04 **1U** Roto-Wide U-V04	**8** Neutral White 4,000K **2** Warm White 3,000K **5** Warm White 2,700K **9** Extra Warm White 2,200K	**01** 12,9 W **02** 15,4 W **03** 17,6 W **04** 20,6 W **05** 23,8 W **06** 27,4 W **07** 31,7 W **08** 35,4 W **09** 39,4 W **10** 44,8 W **11** 53,6 W **12** 61,8 W **13** 68,2 W **14** 75,9 W **15** 82,4 W **16** 92,1 W	**2** Class II (220-240V) **1** Class I (120-270V)	**N** No Dimming **A** Sentronic Connect **D** Dali **Y** Zhaga 18	**L** Standard senza uso di utensili	**0** Connector and cable	**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 **#**	**1** Suspension

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.