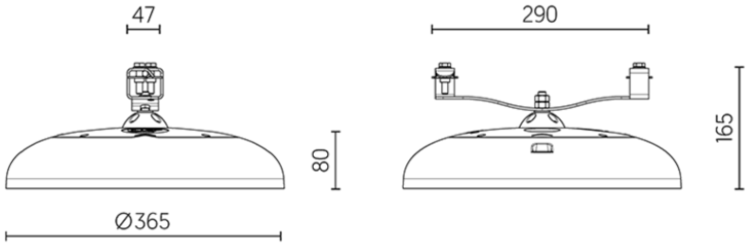
Product Data Sheet

Street lighting





IP66 IK09 CE ULR 0% CIE >95% CB

HEMERA C GENERAL CHARACTERISTICS	
Applications	Street lighting
Optics	**1Z:** Symmetric Z-L04; **1S:** Symmetric S-SW07; **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 typical 4 MacAdam steps
Photobiological safety class	Exempt Group
Insulation class	Class II Class I
Degree of protection	IK09
IP Grade	IP66
Wiring	Outgoing cable + connector
Dimensions	diam 365 x 80mm
Weight	5 kg
ELECTRICAL CHARACTERISTICS	
Power supply	220-240 V 50/60 Hz; 120-270 V su richiesta
Power factor	> 0,95 (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	-35°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	4 mm thick toughened flat glass resistant to thermal shock and impact

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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
HECB___002_____	13,0	1.708	131	1.899	146	1.953	150	2.139	165
HECB___012_____	16,0	2.121	133	2.357	147	2.424	152	2.655	166
HECB___022_____	19,5	2.613	134	2.904	149	2.987	153	3.272	168
HECB___032_____	23,0	3.083	134	3.427	149	3.525	153	3.861	168
HECB___042_____	26,0	3.592	138	3.993	154	4.107	158	4.498	173
HECB___052_____	29,0	3.975	137	4.419	152	4.544	157	4.978	172
HECB___062_____	36,0	4.867	135	5.409	150	5.563	155	6.094	169
HECB___072_____	42,0	5.646	134	6.275	149	6.454	154	7.070	168
HECB___082_____	49,0	6.393	130	7.106	145	7.308	149	8.005	163
HECB___092_____	55,0	7.098	129	7.889	143	8.114	148	8.888	162

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
HECB___002_____	13,0	1.678	129	1.865	143	1.918	148	2.101	162
HECB___012_____	16,0	2.083	130	2.315	145	2.381	149	2.608	163
HECB___022_____	19,5	2.566	132	2.852	146	2.934	150	3.214	165
HECB___032_____	23,0	3.029	132	3.366	146	3.462	151	3.792	165
HECB___042_____	26,0	3.528	136	3.922	151	4.034	155	4.418	170
HECB___052_____	29,0	3.905	135	4.340	150	4.464	154	4.889	169
HECB___062_____	36,0	4.780	133	5.313	148	5.464	152	5.986	166
HECB___072_____	42,0	5.545	132	6.163	147	6.339	151	6.944	165
HECB___082_____	49,0	6.279	128	6.979	142	7.178	146	7.863	160
HECB___092_____	55,0	6.972	127	7.749	141	7.970	145	8.730	159

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
HECB___002_____	13,0	1.643	126	1.826	140	1.878	144	2.057	158
HECB___012_____	16,0	2.039	127	2.266	142	2.330	146	2.553	160
HECB___022_____	19,5	2.512	129	2.792	143	2.872	147	3.146	161
HECB___032_____	23,0	2.964	129	3.295	143	3.389	147	3.712	161
HECB___042_____	26,0	3.454	133	3.839	148	3.948	152	4.325	166
HECB___052_____	29,0	3.822	132	4.248	146	4.369	151	4.786	165
HECB___062_____	36,0	4.679	130	5.200	144	5.349	149	5.859	163
HECB___072_____	42,0	5.428	129	6.033	144	6.205	148	6.797	162
HECB___082_____	49,0	6.146	125	6.831	139	7.026	143	7.696	157
HECB___092_____	55,0	6.824	124	7.585	138	7.801	142	8.545	155

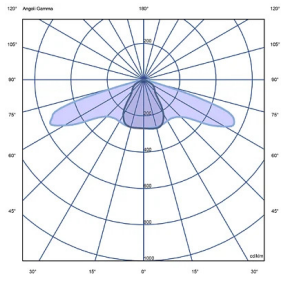
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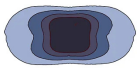
Product Data Sheet

Street lighting

OPTICS

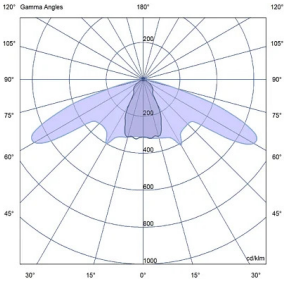
Symmetric Z-L04





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

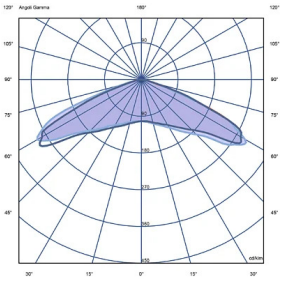
Symmetric S-SW07

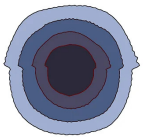




Symmetrical Optics
L / H = 1,0

Roto-Wide U-V04



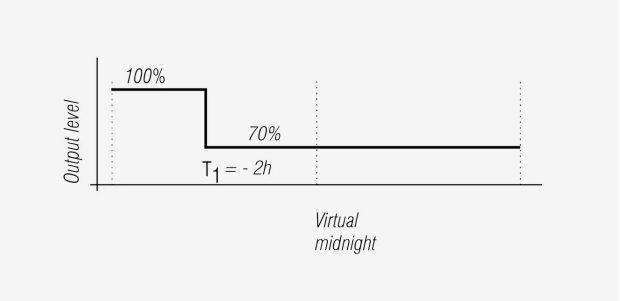


Rotosymmetrical road optics - Wide beam

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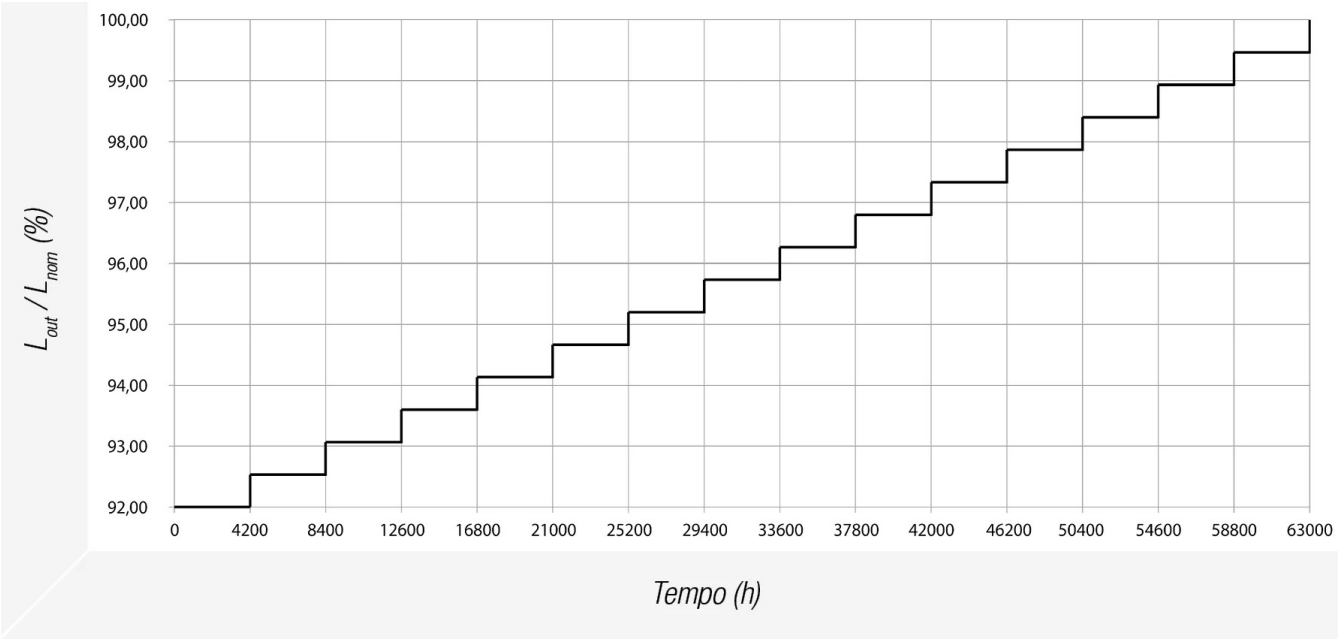
DIMMING

STANDARD VIRTUAL MIDNIGHT PROFILE



For other profiles please contact the sales department.

STANDARD CLO PROFILE



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Product Data Sheet

Street lighting

CODING

	Optics	LED Color Temperature	Power *	Insulation Class (Input Range)	Control	Various	Cable	Protection	Program	Support
HECB	X	X	X	X	X	X	X	X	X	X
	1Z Symmetric Z-L04 **1S** Symmetric S-SW07 **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	**00** 13,0 W **01** 16,0 W **02** 19,5 W **03** 23,0 W **04** 26,0 W **05** 29,0 W **06** 36,0 W **07** 42,0 W **08** 49,0 W **09** 55,0 W	**2** Class II (220-240V) **1** Class I (120-270V)	**N** No Dimming **A** Sentronic Connect **D** Dali **Y** Zhaga 18	**L** Standard	**0** Connector and cable	**0** No **2** Fuse	**00** No dimming **0M** Virtual Midnight -2h70% **1Z** Virtual Midnight -2h70% + CLO **1C** No Dimming + CLO **#**	**1** Suspension

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