

HEMERA PT PRO GENERAL CHARACTERISTICS	
Applications	Street lighting
Optics	N: Narrow V14; R: Regular R-V25; D: Extra Wide V20; F: Front-Back V10; E: Forward Wide E-L01; U: Rotosymmetric Wide U-V04; T: Forward Wide T-TT4;
Colour temperature	1: Cool White 5,500K; 2: Warm White 3,000K; 8: Neutral White 4,000K;
CRI and color tolerance (SDCM)	Minimum 70, on request 80 Colour tolerance between several luminaires Max. 4 steps MacAdam
Photobiological safety class	Exempt Group
Insulation class	Class II , Class I upon request
Degree of protection	IK09
IP Grade	IP66
Wiring	Internal connections
Dimensions	diam 365 x 502mm
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	Automatic "virtual midnight" dimming system with up to 3 steps and CLO function; DALI; remote control based on lumawise system
Overvoltage protection	10kV differential mode, 10kV common mode, SPD 5kA on request
Operating temperature	-30°C +50°C
Optical unit life (Ta from -10°C to 45°C)	L90 B10 > 100.000 hr
MATERIALS	
Fixing	Post top mounting Suitable for 46 to 60 mm diameter poles
Heatsink	Die-cast aluminium; painted "Dark Coal"
Frame	Die-cast aluminium; painted "Dark Coal"
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 | N
(T_{amb}=25°C)

CODE	Power (W)	4000K		Power (W)	3000K	
		Flux (lm)	Efficiency		Flux (lm)	Efficiency
HEPB__002__	13,0	1.713	132	13,0	1.647	127
HEPB__012__	16,0	2.108	132	16,0	2.027	127
HEPB__022__	19,5	2.598	133	19,5	2.497	128
HEPB__032__	23,0	3.057	133	23,0	2.940	128
HEPB__042__	26,0	3.439	132	26,0	3.306	127
HEPB__052__	29,0	3.829	132	29,0	3.681	127
HEPB__062__	36,0	4.815	134	36,0	4.629	129
HEPB__072__	42,0	5.553	132	42,0	5.339	127
HEPB__082__	49,0	6.327	129	49,0	6.084	124
HEPB__092__	55,0	7.020	128	55,0	6.749	123

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

CODE	Power (W)	4000K		Power (W)	3000K	
		Flux (lm)	Efficiency		Flux (lm)	Efficiency
HEPB__002__	13,0	1.713	132	13,0	1.647	127
HEPB__012__	16,0	2.109	132	16,0	2.027	127
HEPB__022__	19,5	2.598	133	19,5	2.498	128
HEPB__032__	23,0	3.058	133	23,0	2.940	128
HEPB__042__	26,0	3.439	132	26,0	3.307	127
HEPB__052__	29,0	3.830	132	29,0	3.682	127
HEPB__062__	36,0	4.816	134	36,0	4.630	129
HEPB__072__	42,0	5.554	132	42,0	5.340	127
HEPB__082__	49,0	6.328	129	49,0	6.085	124
HEPB__092__	55,0	7.021	128	55,0	6.751	123

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

CODE	Power (W)	4000K		Power (W)	3000K	
		Flux (lm)	Efficiency		Flux (lm)	Efficiency
HEPB__002__	13,0	1.745	134	13,0	1.678	129
HEPB__012__	16,0	2.148	134	16,0	2.065	129
HEPB__022__	19,5	2.646	136	19,5	2.544	130
HEPB__032__	23,0	3.115	135	23,0	2.995	130
HEPB__042__	26,0	3.503	135	26,0	3.368	130
HEPB__052__	29,0	3.901	135	29,0	3.751	129
HEPB__062__	36,0	4.905	136	36,0	4.716	131
HEPB__072__	42,0	5.658	135	42,0	5.440	130
HEPB__082__	49,0	6.446	132	49,0	6.198	126
HEPB__092__	55,0	7.152	130	55,0	6.981	127

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

CODE	Power (W)	4000K		3000K		Efficiency
		Flux (lm)	Efficiency	Power (W)	Flux (lm)	
HEPB__002__	13,0	1.754	135	13,0	1.687	130
HEPB__012__	16,0	2.159	135	16,0	2.076	130
HEPB__022__	19,5	2.660	136	19,5	2.557	131
HEPB__032__	23,0	3.131	136	23,0	3.010	131
HEPB__042__	26,0	3.521	135	26,0	3.385	130
HEPB__052__	29,0	3.921	135	29,0	3.770	130
HEPB__062__	36,0	4.930	137	36,0	4.740	132
HEPB__072__	42,0	5.686	135	42,0	5.467	130
HEPB__082__	49,0	6.479	132	49,0	6.229	127
HEPB__092__	55,0	7.188	131	55,0	6.911	126

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

CODE	Power (W)	4000K		3000K		Efficiency
		Flux (lm)	Efficiency	Power (W)	Flux (lm)	
HEPB__002__	13,0	1.750	135	13,0	1.683	129
HEPB__012__	16,0	2.154	135	16,0	2.071	129
HEPB__022__	19,5	2.654	136	19,5	2.551	131
HEPB__032__	23,0	3.123	136	23,0	3.003	131
HEPB__042__	26,0	3.513	135	26,0	3.377	130
HEPB__052__	29,0	3.912	135	29,0	3.761	130
HEPB__062__	36,0	4.919	137	36,0	4.729	131
HEPB__072__	42,0	5.673	135	42,0	5.454	130
HEPB__082__	49,0	6.464	132	49,0	6.215	127
HEPB__092__	55,0	7.171	130	55,0	6.895	125

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

CODE	Power (W)	4000K		3000K		Efficiency
		Flux (lm)	Efficiency	Power (W)	Flux (lm)	
HEPB__002__	13,0	1.804	139	13,0	1.734	133
HEPB__012__	16,0	2.220	139	16,0	2.134	133
HEPB__022__	19,5	2.735	140	19,5	2.630	135
HEPB__032__	23,0	3.219	140	23,0	3.095	135
HEPB__042__	26,0	3.620	139	26,0	3.481	134
HEPB__052__	29,0	4.031	139	29,0	3.876	134
HEPB__062__	36,0	5.069	141	36,0	4.874	135
HEPB__072__	42,0	5.847	139	42,0	5.621	134
HEPB__082__	49,0	6.662	136	49,0	6.405	131
HEPB__092__	55,0	7.391	134	55,0	7.106	129

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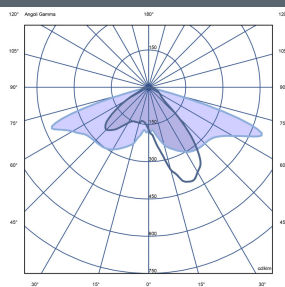
POWER AND OPTICAL FLUX | T
(T_{amb}=25°C)

CODE	4000K			3000K		
	Power (W)	Flux (lm)	Efficiency	Power (W)	Flux (lm)	Efficiency
HEPB__002__	13,0	1.658	128	13,0	1.594	123
HEPB__012__	16,0	2.040	128	16,0	1.961	123
HEPB__022__	19,5	2.513	129	19,5	2.416	124
HEPB__032__	23,0	2.958	129	23,0	2.844	124
HEPB__042__	26,0	3.327	128	26,0	3.199	123
HEPB__052__	29,0	3.705	128	29,0	3.562	123
HEPB__062__	36,0	4.658	129	36,0	4.479	124
HEPB__072__	42,0	5.373	128	42,0	5.166	123
HEPB__082__	49,0	6.122	125	49,0	5.886	120
HEPB__092__	55,0	6.792	123	55,0	6.530	119

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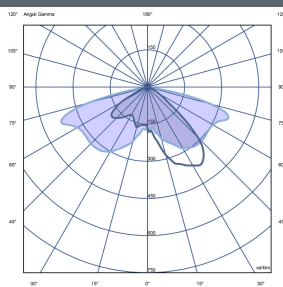
OPTICS

Narrow V14



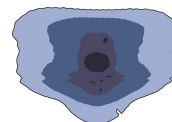
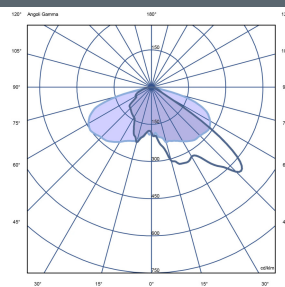
Asymmetrical street optics - Narrow beam
 $L / H = 0,5 \div 0,9$

Regular R-V25



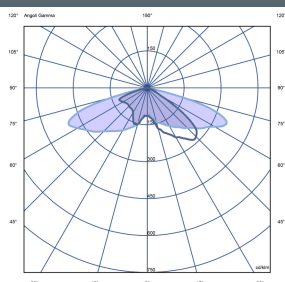
Asymmetrical street optics - Medium beam
 $L / H = 0,9 \div 1,1$

Extra Wide V20



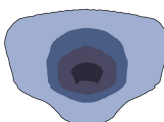
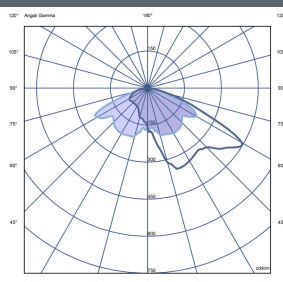
Asymmetrical optics - Very wide beam
 $L / H = 1,3 \div 1,6$

Front-Back V10



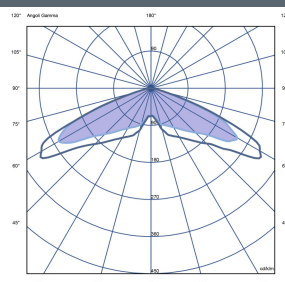
Asymmetrical Street Optics - Front-Back
 $L / H = 1,2 \div 1,5$

Forward Wide E-L01



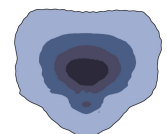
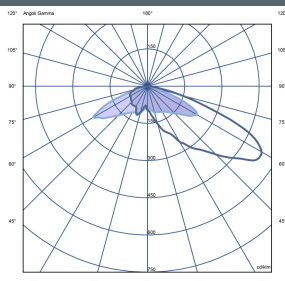
$L / H = 1,6-2,0$

Rotosymetric Wide U-V04



Wide Rotosymmetrical Optics

Forward Wide T-TT4

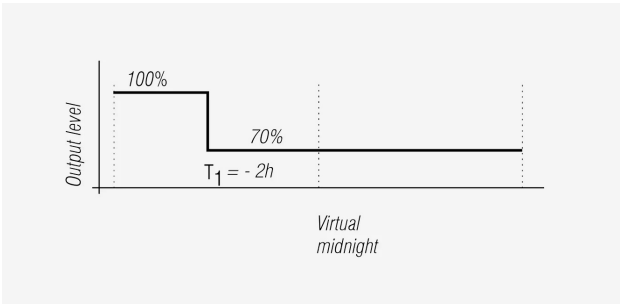


$L / H = 1,6-2,0$

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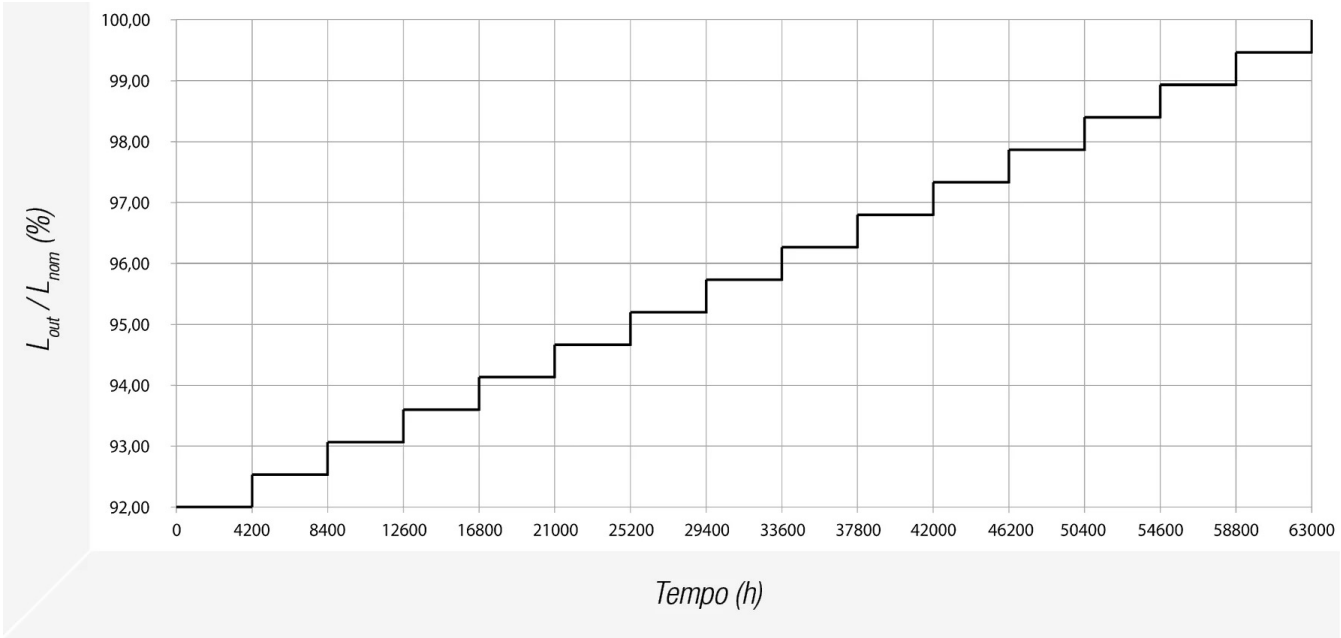
DIMMING

STANDARD VIRTUAL MIDNIGHT PROFILE



For other profiles please contact the sales department.

STANDARD CLO PROFILE



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CODING						
	Optics	LED Color Temperature	Power *	Insulation Class (Input Range)	Control	Various
HEPB	X	X	X	X	X	X
	N Narrow V14	1 Cool White 5,500K	00 13 W	2 Class II (220-240V)	N No Dimming	A Standard
	R Regular R-V25	2 Warm White 3,000K	01 16 W	Versions available on request	M Virtual Midnight**	L Standard
	D Extra Wide V20	8 Neutral White 4,000K	02 19.5 W		Z Virtual Midnight** + CLO	
	F Front-Back V10	Versions available on request	03 23 W	1 Class I (120-270V)	L Zhaga 18 + Virtual Midnight**	
	E Forward Wide E-L01		04 26 W		Y Zhaga 18 + Virtual Midnight** + CLO	
	U Rotosymmetric Wide U-V04	5 Warm White 2,700K	05 29 W		A Sentronic Connect+Virtual Midnight+CLO	
	T Forward Wide T-TT4	9 Extra Warm White 2,200K	06 36 W			
			07 42 W			
			08 49 W			
			09 55 W			

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