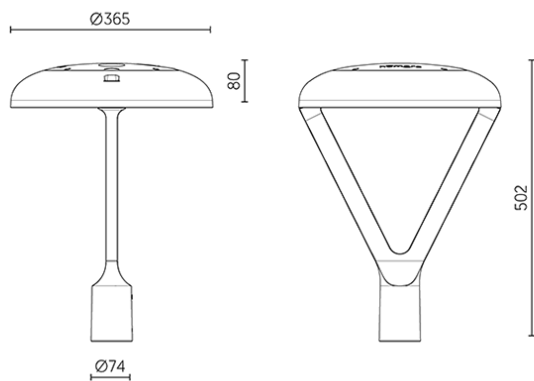




IP66

IK08



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	IK08
IP Grade	IP66
Wiring	Internal connections
Dimensions	diam 365 x 502 mm
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

The characteristics of the product are subject to change and will be confirmed when the order is placed.
The values indicated are to be considered with a tolerance of +/- 5%.

POWER AND OPTICAL FLUX I 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 I 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 I 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

** Flux tolerance +/- 5%.

Other powers and flows on request.

External connections on request.

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

CODE	Power (W)	4000K		Power (W)	3000K	
		Flux (lm)	Efficiency		Flux (lm)	Efficiency
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 I E
 (T_{amb}=25°C)

CODE	Power (W)	4000K		Power (W)	3000K	
		Flux (lm)	Efficiency		Flux (lm)	Efficiency
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 I U
 (T_{amb}=25°C)

CODE	Power (W)	4000K		Power (W)	3000K	
		Flux (lm)	Efficiency		Flux (lm)	Efficiency
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

** Flux tolerance +/- 5%.

Other powers and flows on request.

External connections on request.

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

CODE	Power (W)	4000K		Power (W)	3000K	
		Flux (lm)	Efficiency		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

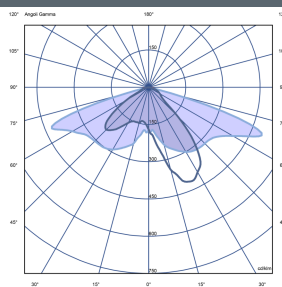
** Flux tolerance +/- 5%.

Other powers and flows on request.

External connections on request.

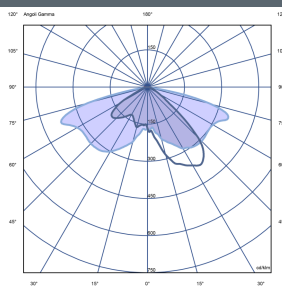
OPTICS

Narrow V14



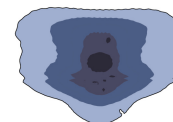
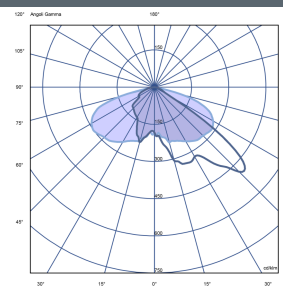
Asymmetrical street optics - Narrow beam
 $L / H = 0,5 \div 0,9$

Regular R-V25



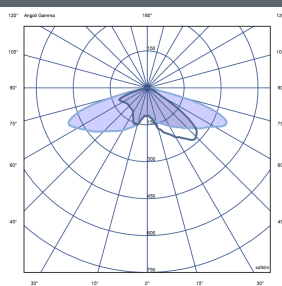
Asymmetrical street optics - Medium beam
 $L / H = 0,9 \div 1,1$

Extra Wide V20



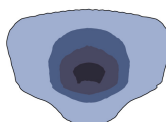
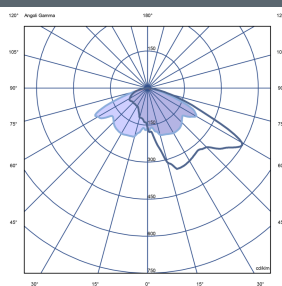
Asymmetrical optics - Very wide beam
 $L / H = 1,3 \div 1,6$

Front-Back V10



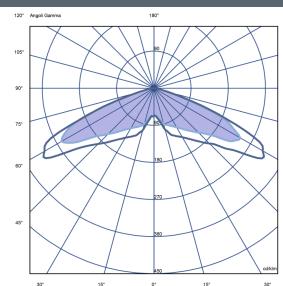
Asymmetrical Street Optics - Front-Back
 $L / H = 1,2 \div 1,5$

Forward Wide E-L01



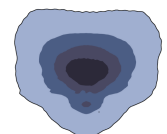
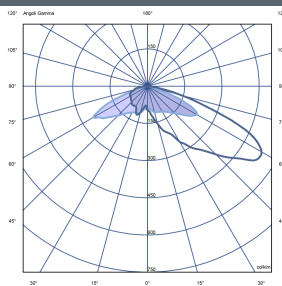
$L / H = 1,6-2,0$

Rotosymmetrical Wide U-V04



Wide Rotosymmetrical Optics

Forward Wide T-TT4



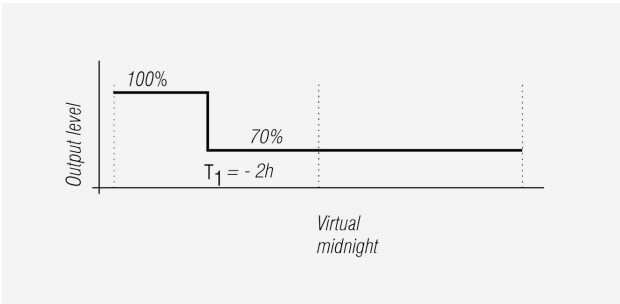
$L / H = 1,6-2,0$

** Flux tolerance +/- 5%.

Other powers and flows on request.
 External connections on request.

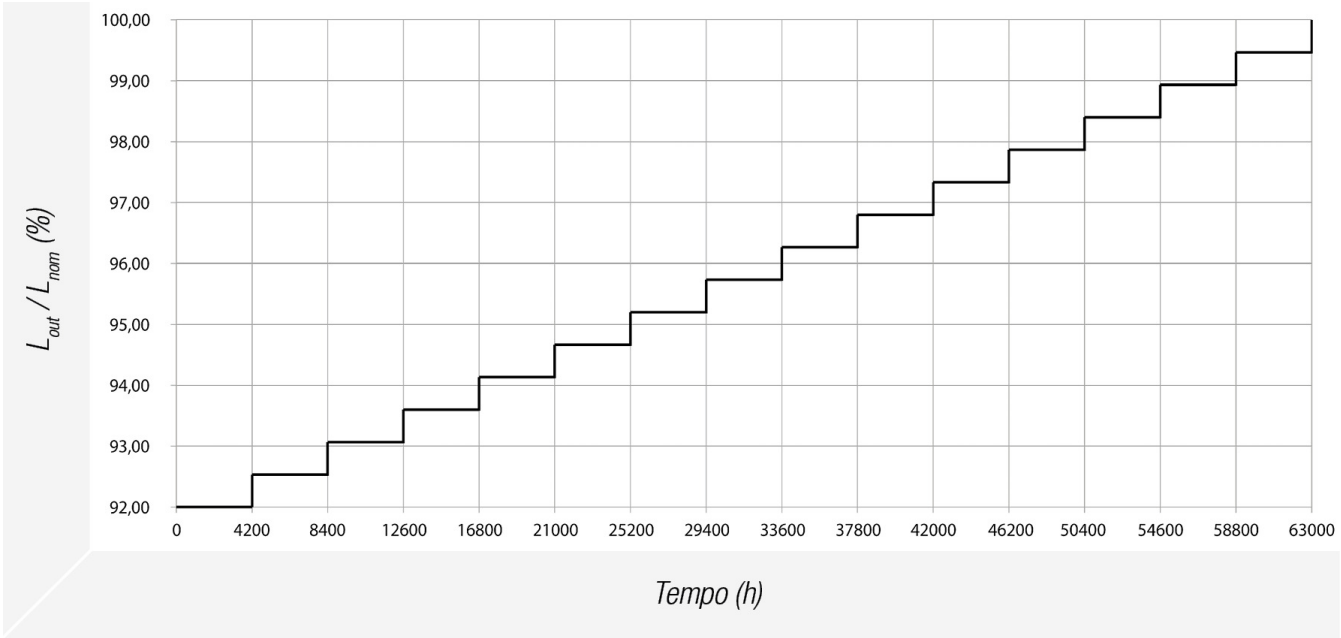
DIMMING

STANDARD VIRTUAL MIDNIGHT PROFILE



For other profiles please
contact the sales department.

STANDARD CLO PROFILE



** Flux tolerance +/- 5%.
Other powers and flows on request.
External connections on request.

CODING

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

** Flux tolerance +/- 5%.

Other powers and flows on request.

External connections on request.