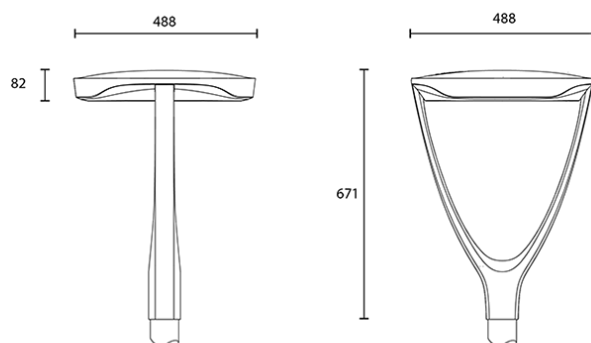




IP66

IK09



THEMIS PT GENERAL CHARACTERISTICS

Applications	Street lighting
Optics	R: Regular R-V25; W: Wide W-V07; D: Extra Wide V20; F: Front-Back V10; E: Forward Wide E-L01; U: Rotosymmetric Wide U-V04;
Colour temperature	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 - accessibility without tools
Dimensions	diam 488 x 671 mm
Weight	10 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	Automatic "virtual midnight" dimming system with up to 3 steps and CLO function; DALI; remote control based on lumawise system
Overvoltage protection	12kV differential mode, 12kV common mode, SPD 5kA on request
Operating temperature	-20°C +40°C
Optical unit life (Ta from -10°C to 45°C)	L90 B10 > 100.000 hr

MATERIALS

Fixing	Post top mounting Suitable for 40 to 76 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 R
 (T_{amb}=25°C)

CODE	Power (W)	4000K		Power (W)	3000K	
		Flux (lm)	Efficiency		Flux (lm)	Efficiency
THPB_012_	13,0	1.825	140	13,0	1.762	136
THPB_022_	15,1	2.129	141	15,0	2.041	136
THPB_032_	17,7	2.491	141	17,6	2.402	136
THPB_042_	21,1	2.962	140	21,0	2.852	136
THPB_052_	28,0	3.899	139	28,0	3.763	134
THPB_062_	35,7	4.879	137	35,6	4.666	131
THPB_072_	40,2	5.452	136	40,2	5.207	130
THPB_082_	46,3	6.074	131	46,3	5.846	126
THPB_092_	51,6	6.658	129	51,6	6.415	124
THPB_102_	63,1	7.951	126	63,1	7.645	121

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

CODE	Power (W)	4000K		Power (W)	3000K	
		Flux (lm)	Efficiency		Flux (lm)	Efficiency
THPB_012_	13,0	1.808	139	13,0	1.753	135
THPB_022_	15,1	2.109	140	15,0	2.030	135
THPB_032_	17,7	2.468	139	17,6	2.389	136
THPB_042_	21,1	2.933	139	21,0	2.836	135
THPB_052_	28,0	3.861	138	28,0	3.743	134
THPB_062_	35,7	4.833	135	35,6	4.642	130
THPB_072_	40,2	5.400	134	40,2	5.179	129
THPB_082_	46,3	6.024	130	46,3	5.847	126
THPB_092_	51,6	6.603	128	51,6	6.416	124
THPB_102_	63,1	7.885	125	63,1	7.647	121

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

CODE	Power (W)	4000K		Power (W)	3000K	
		Flux (lm)	Efficiency		Flux (lm)	Efficiency
THPB_012_	13,0	1.819	140	13,0	1.765	136
THPB_022_	15,1	2.122	141	15,0	2.044	136
THPB_032_	17,7	2.483	140	17,6	2.406	137
THPB_042_	21,1	2.951	140	21,0	2.856	136
THPB_052_	28,0	3.886	139	28,0	3.768	135
THPB_062_	35,7	4.863	136	35,6	4.674	131
THPB_072_	40,2	5.434	135	40,2	5.215	130
THPB_082_	46,3	6.036	130	46,3	5.778	125
THPB_092_	51,6	6.617	128	51,6	6.340	123
THPB_102_	63,1	7.902	125	63,1	7.556	120

** 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
THPB_012_	13,0	1.815	140	13,0	1.762	136
THPB_022_	15,1	2.117	140	15,0	2.040	136
THPB_032_	17,7	2.477	140	17,6	2.401	136
THPB_042_	21,1	2.945	140	21,0	2.850	136
THPB_052_	28,0	3.877	138	28,0	3.761	134
THPB_062_	35,7	4.852	136	35,6	4.665	131
THPB_072_	40,2	5.421	135	40,2	5.205	129
THPB_082_	46,3	6.077	131	46,3	5.768	125
THPB_092_	51,6	6.661	129	51,6	6.329	123
THPB_102_	63,1	7.955	126	63,1	7.543	120

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

CODE	Power (W)	4000K		Power (W)	3000K	
		Flux (lm)	Efficiency		Flux (lm)	Efficiency
THPB_012_	13,0	1.839	141	13,0	1.785	137
THPB_022_	15,1	2.145	142	15,0	2.066	138
THPB_032_	17,7	2.510	142	17,6	2.432	138
THPB_042_	21,1	2.984	141	21,0	2.887	137
THPB_052_	28,0	3.928	140	28,0	3.810	136
THPB_062_	35,7	4.916	138	35,6	4.725	133
THPB_072_	40,2	5.493	137	40,2	5.273	131
THPB_082_	46,3	6.201	134	46,3	5.979	129
THPB_092_	51,6	6.798	132	51,6	6.560	127
THPB_102_	63,1	8.118	129	63,1	7.819	124

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

CODE	Power (W)	4000K		Power (W)	3000K	
		Flux (lm)	Efficiency		Flux (lm)	Efficiency
THPB_012_	13,0	1.893	146	13,0	1.828	141
THPB_022_	15,1	2.208	146	15,0	2.116	141
THPB_032_	17,7	2.584	146	17,6	2.491	142
THPB_042_	21,1	3.071	146	21,0	2.957	141
THPB_052_	28,0	4.043	144	28,0	3.902	139
THPB_062_	35,7	5.060	142	35,6	4.840	136
THPB_072_	40,2	5.654	141	40,2	5.400	134
THPB_082_	46,3	6.299	136	46,3	6.063	131
THPB_092_	51,6	6.905	134	51,6	6.653	129
THPB_102_	63,1	8.246	131	63,1	7.929	126

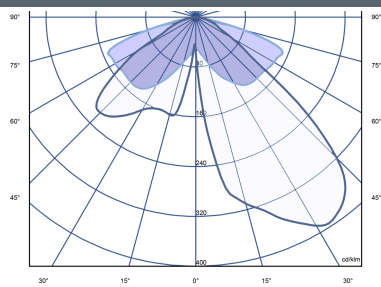
** Flux tolerance +/- 5%.

Other powers and flows on request.

External connections on request.

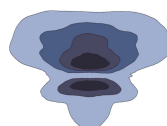
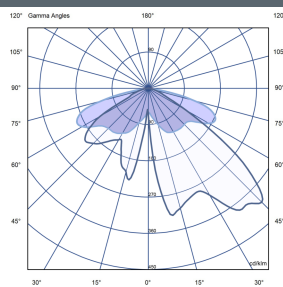
OPTICS

Regular R-V25



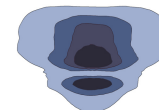
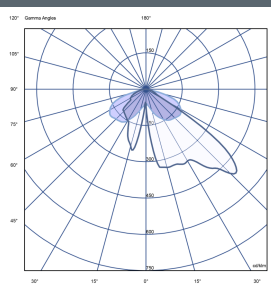
Asymmetrical street optics - Medium beam
 $L / H = 0,9 \div 1,1$

Wide W-V07



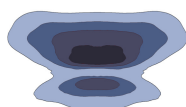
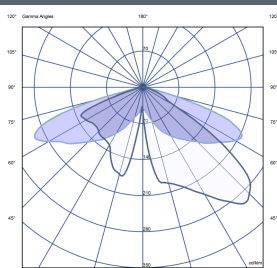
Asymmetrical street optics - Wide beam

Extra Wide V20



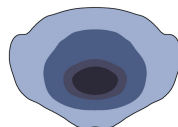
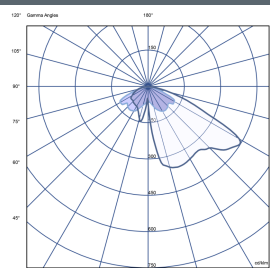
Asymmetrical Optics - Very Wide Beam PT
 $L / H = 1,3 \div 1,6$

Front-Back V10



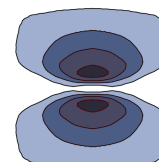
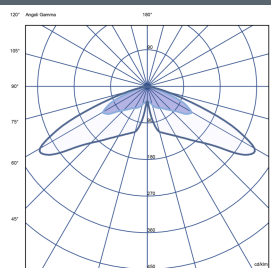
Asymmetrical Street Optics - Front-Back
 $L / H = 1,2 \div 1,5$

Forward Wide E-L01



Asymmetrical Front Optics
 $L / H = 1,6 \div 2,0$

Rotosymmetrical Wide U-V04



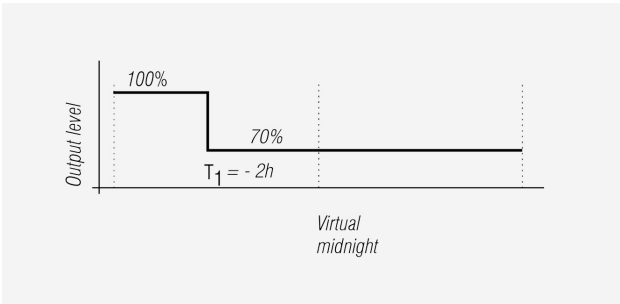
Wide Rotosymmetrical Lens

** Flux tolerance +/- 5%.

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

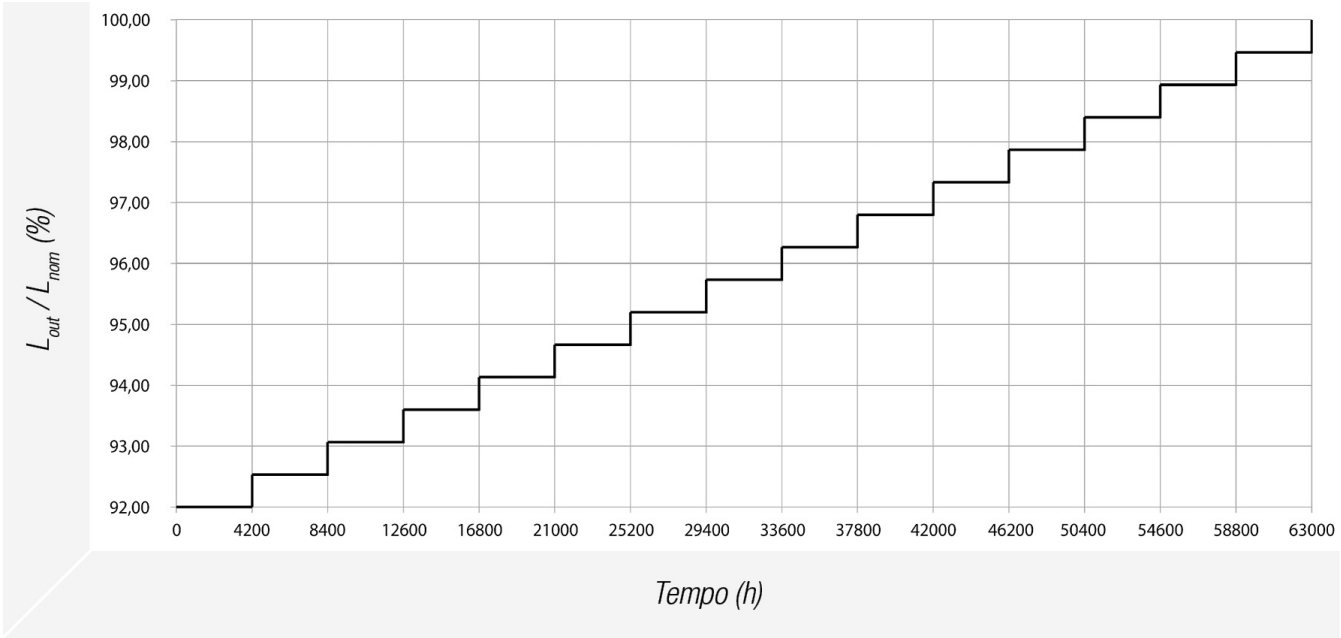
DIMMING

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
THPB	R	8	XX	2	N	A
	R Regular R-V25	2 Warm White 3,000K	01 13	2 Class II (220-240V)	N No Dimming	L Standard
	W Wide W-V07	8 Neutral White 4,000K	02 15.1	Versions available on request 1 Class I (120-270V)	M Virtual Midnight**	
	D Extra Wide V20	Versions available on request	03 17.7		Z Virtual Midnight** + CLO	
	F Front-Back V10		04 21.1		L Zhaga 18 + Virtual Midnight**	
	E Forward Wide E-L01		05 28		Y Zhaga 18 + Virtual Midnight** + CLO	
	U Rotosymmetric Wide U-V04	5 Warm White 2,700K	06 35.7			
		9 Extra Warm White 2,200K	07 40.2			
			08 46.3			
			09 51.6			
			10 63.1			

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