



**THEMIS  
MAIN SPECIFICATIONS**

<b>Applications</b>	Street lighting
<b>Optics</b>	PMMA multi-layer lens
<b>Colour temperature</b>	<b>1:</b> Cold White 5,500K; <b>2:</b> Warm White 3,000K; <b>5:</b> Warm White 2,700K <b>8:</b> Neutral White 4,000K
<b>CRI and colour difference (SDCM)</b>	Min. 70, 80 upon request Color difference among several devices: Max. 4 steps MacAdam
<b>Photobiological compliance</b>	Exempt Group
<b>Insulation class</b>	Class II, class I upon request
<b>Protection rating IK</b>	IK09
<b>IP rating</b>	IP66
<b>Cable harness</b>	Internal connections
<b>Dimensions</b>	diam.488x671 mm
<b>Weight</b>	10 Kg

**ELECTRICAL SPECIFICATIONS**

<b>Rated voltage</b>	220-240 V 50/60 Hz
<b>Power factor</b>	> 0.95 (full load)
<b>Control technology</b>	Automatic dimming system with 3 step "virtual midnight" and CLO function; DALI; remote control based on the lumawise system
<b>Overvoltage Protection</b>	12kV differential mode, 12kV common mode, SPD 5kA upon request
<b>Life expectancy (T<sub>a</sub> -10°C to 40°C)</b>	L90 B10 > 100,000 hr

**MATERIALS**

<b>Mounting</b>	Suitable for 40 to 76 mm diameter poles Pole-top mounting for vertical poles
<b>Frame and heatsink</b>	Die-cast aluminum
<b>Optics</b>	PMMA multi-layer lens
<b>Screen</b>	Flat tempered glass thickness 4 mm, thermal and impact shock resistant UNI-EN 12150-1

POWER AND FLUX ** (T <sub>amb</sub> =25°C, T <sub>j</sub> =85°C, T <sub>c</sub> =3000K)			
XX	Power (W)	Flux (lm)	Efficiency (lm/W)
<b>Themis 01</b>	13.0	1,643	126.1
<b>Themis 02</b>	15.4	1,933	125.4
<b>Themis 03</b>	17.6	2,219	126.0
<b>Themis 04</b>	21.0	2,597	123.4
<b>Themis 05</b>	27.7	3,396	122.5
<b>Themis 06</b>	35.5	4,282	120.7
<b>Themis 07</b>	39.3	4,716	120.0
<b>Themis 08</b>	46.3	5,486	118.5
<b>Themis 09</b>	51.6	6,056	117.4
<b>Themis 10</b>	63.1	7,161	113.5

POWER AND FLUX ** (T <sub>amb</sub> =25°C, T <sub>j</sub> =85°C, T <sub>c</sub> =4000K)			
XX	Power (W)	Flux (lm)	Efficiency (lm/W)
<b>Themis 01</b>	13.0	1,693	130.0
<b>Themis 02</b>	15.4	1,992	129.3
<b>Themis 03</b>	17.6	2,287	129.9
<b>Themis 04</b>	21.0	2,677	127.2
<b>Themis 05</b>	27.7	3,500	126.3
<b>Themis 06</b>	35.5	4,414	124.4
<b>Themis 07</b>	39.3	4,861	123.7
<b>Themis 08</b>	46.3	5,656	122.2
<b>Themis 09</b>	51.6	6,243	121.0
<b>Themis 10</b>	63.1	7,382	117.0

**CODING**

product code	optic type	LED colour	model type *	class	dimming	surge suppressor
<b>THMP</b>	<b>R</b>	<b>1</b>	<b>XX</b>	<b>1</b>	<b>N</b> (No dimm.)	<b>A</b> (Standard)
	<b>W</b>	<b>2</b>		<b>2</b>	<b>S</b> (Nema Socket)	<b>B</b> (Extra Suppressor)
	<b>D</b>	<b>5</b>			<b>M</b> (Virtual Midnight)	
	<b>F</b>	<b>8</b>				
	<b>C</b>					
	<b>E</b>					

\* Refer to "Input Power and Flux" table to choose the model code

\*\* Other Power and Flux on request.  
External connectors on top or bottom on request.