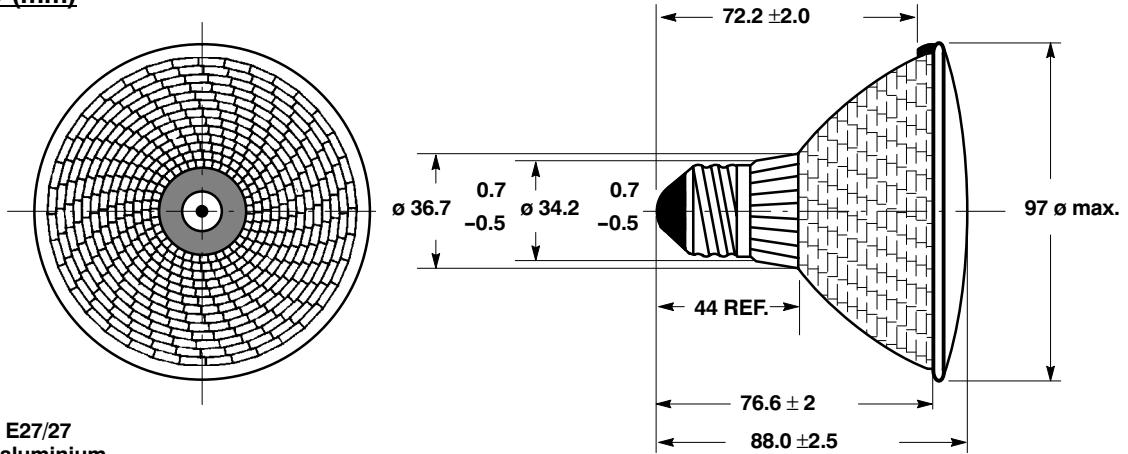




DIMENSIONS (mm)



Base type : E27/27
 Reflector : aluminium
 Lens : clear
 Coil : axial

ELECTRICAL DATA:

		NOMINAL VALUE	MIN.	MAX.
Lamp wattage	(W) :	100	-	-
Lamp voltage	(V) :	230, 240	-	-

OPERATING CONDITIONS:

Base rim temperature	(°C) :	-	-	250
Reflector rim temperature	(°C) :	-	-	210
Burning position	:	any		

LAMP LIFE :

Average life	(h) :	3000		
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PHOTOMETRIC DATA:

TYPE DESCRIPTION	BEAM ANGLE (degrees)	LUMINOUS INTENSITY (Cd)	ILCOS CODE
NARROW SPOT 230V	10°	10 000	HAPAR-100-230-E27-95/10
240V	10°	10 000	HAPAR-100-240-E27-95/10
FLOOD 230V	30°	3500	HAPAR-100-230-E27-95/30
240V	30°	3500	HAPAR-100-240-E27-95/30

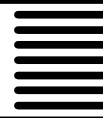
APPLICATION: General and accent lighting for indoor use.

ATTENTION: The product must be used with suitable operating equipment and in accordance with the specified data. Lamps comply with the requirements of EN60410, EN60432, EN60630.

Issued by : TIENEN
 Date : 30.01.1997
 Revision date : 25.04.2014

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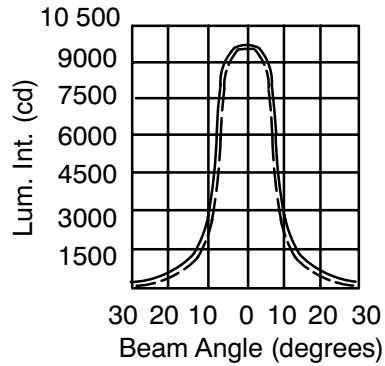
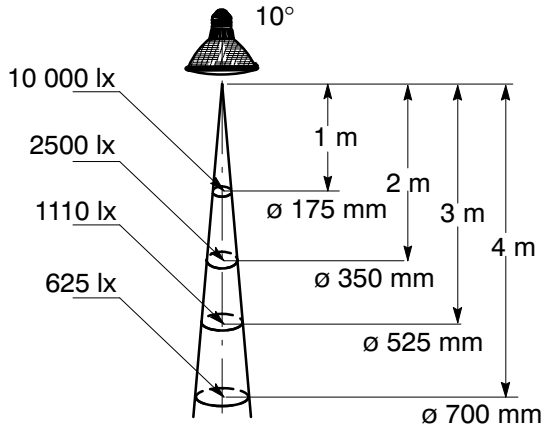
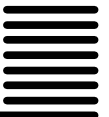


Nominal useful luminous flux 90° cone (Lm)	:	980
Luminous flux-total (Lm)	:	1260
Colour temperature (K)	:	2900
Colour rendering index	:	100Ra8
Number of switching cycles	:	min. 12000
Lumen maintenance @ 75% nominal lifetime	:	≥ 80%
P eff. radiant UV (mW/m ² .klx)	:	0.01
Weighted energy consumption (kwh/1000h)	:	100.00
EEL	:	1.32
EEL	:	D
Warm up time to 60%	:	Instant full light

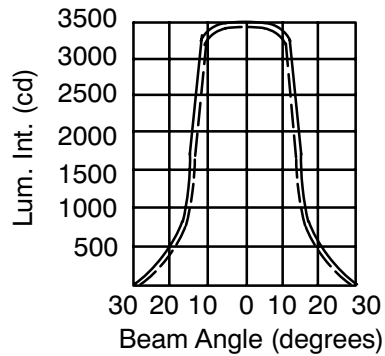
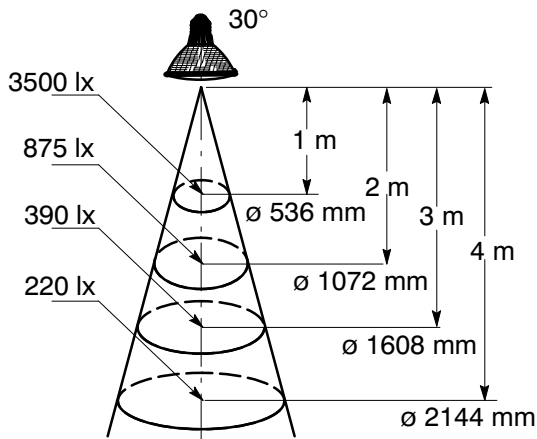
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SPOT



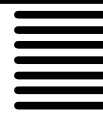
FLOOD

ATTENTION: The product must be used in accordance with the specified data.

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ADDENDUM

TYPICAL TEMPERATURES MEASURED IN A FREE BURNING POSITION 100W

	TEMPERATURE at minimum safety distance	THERMOCOUPLE LOCATIONS	
		BASE RIM	REFLECTOR RIM
MAX. ALLOWABLE TEMP.	90 °C	250 °C	210 °C
MEASURED VALUES	62 °C at 0.8 m	165 °C	125 °C

* NOTE : values for minimum safety distance are measured on spot type

Temperature at minimum safety distance and base rim is measured base-up.
Reflector rim is measured with lamp horizontal, thermocouple on top.

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