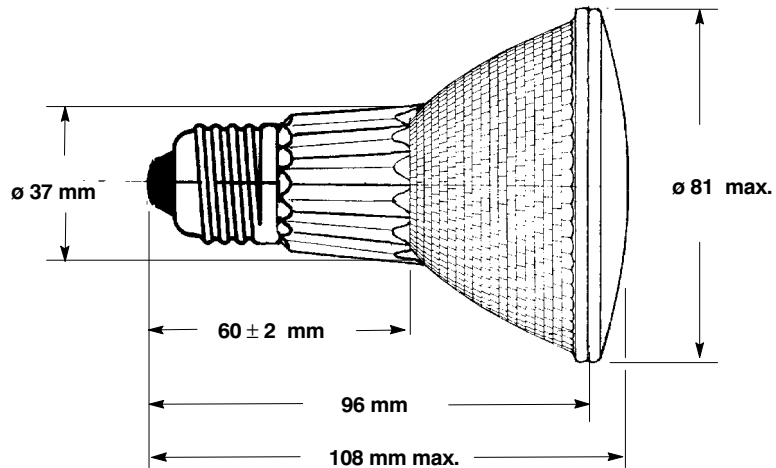
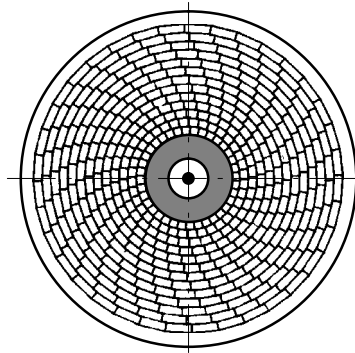




DIMENSIONS (mm)



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

ELECTRICAL DATA:

NOMINAL VALUE

MIN.

MAX.

Lamp wattage	(W)	:	50	-	-
Lamp voltage	(V)	:	230, 240	-	-

OPERATING CONDITIONS:

Base rim temperature	(°C)	:	-	-	210
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°	4000	HAPAR-50-230-E27-80/10
	240V	10°	4000	HAPAR-50-240-E27-80/10
FLOOD	230V	25°	1100	HAPAR-50-230-E27-80/25
	240V	25°	1100	HAPAR-50-240-E27-80/25

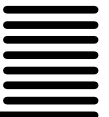
APPLICATION: General and accent lighting for indoor use.

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.

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 Date : 13.04.1994
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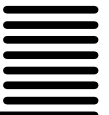


Nominal useful luminous flux 90° cone (Lm)	:	400
Luminous flux-total (Lm)	:	475
Colour temperature (K)	:	2900
Colour rendering index	:	100Ra8
Number of switching cycles	:	min. 12000
Lumen maintenance @ 75% nominal lifetime	:	≥ 80%
P eff. radiant UV (mW/m ² .klx)	:	0.01
Weighted energy consumption (kwh/1000h)	:	50.00
EEL	:	1.34
EEL	:	D
Warm up time to 60%	:	Instant full light

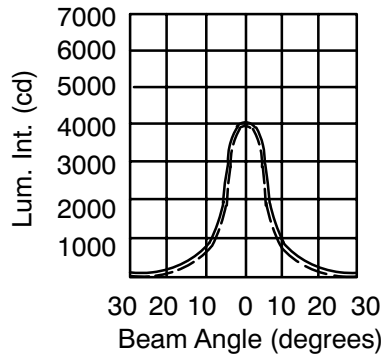
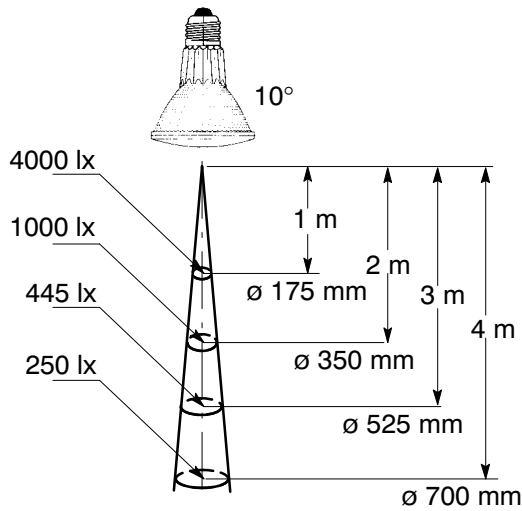
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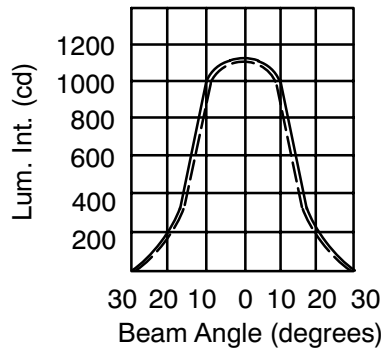
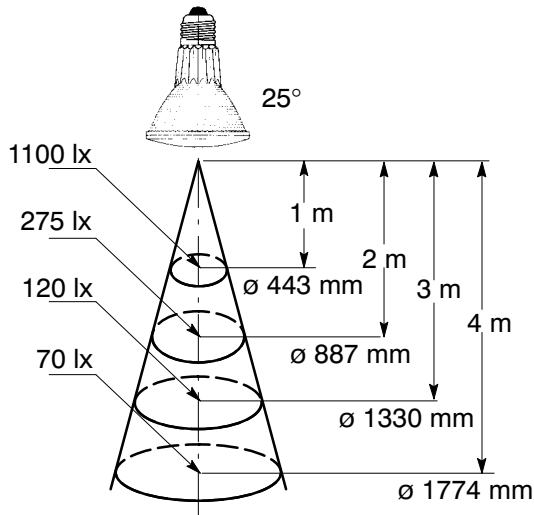
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ALUMINIUM COATING:



SPOT



FLOOD

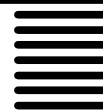
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ADDENDUM

TYPICAL TEMPERATURES MEASURED IN A FREE BURNING POSITION

	TEMPERATURE at minimum safety distance	THERMOCOUPLE LOCATIONS	
		BASE RIM	REFLECTOR RIM
MAX. ALLOWABLE TEMP.	90°	210°	210°
MEASURED VALUES	60° at 0.5 m	130°	130°

* **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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