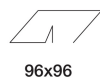
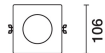
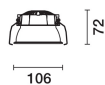


Design iGuzzini iGuzzini



RI33.83: Square 105 - General Lighting - DALI - Warm White - 11.2W 1178.6lm - 3000K - CRI 90 - Black Transparent

RI33.83: Square 105 - General Lighting - DALI - Warm White - 11.2W 1178.6lm - 3000K - CRI 90 - Black Transparent

Square recess luminaire with fixed optics, in version with outer frame. High efficiency LED source - with high colour rendering index - for general lighting uses. Emission unit made up of a transparent PMMA prismatic reflector in combination with the flow recovery unit and diffuser screen, both produced in PMMA, integrated into the external polycarbonate structure. The painted die-cast aluminium diffuser encompasses the steel wire coupling springs. A DALI dimmer power supply unit connected to the luminaire.

recessed with steel wire springs for false ceilings from 1 to 25 mm thick.

Colour	Weight (Kg)
Black Transparent (83)	0.35

## ceiling surface

DALI dimmer functioning components included - power supply connection on the terminals with rapid connection of the driver.

TPa version available on request, contact iGuzzini for more info

Complies with EN60598-1 and pertinent regulations



IP20

IP54

On the visible part of  
the product once installed



Im system:	1179	Colour temperature [K]:	3000
W system:	11.2	MacAdam Step:	2
Im source:	1420	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W source:	9.5	Lamp code:	LED
Luminous efficiency (lm/W, real value):	105.2	Number of lamps for optical assembly:	1
Im in emergency mode:	-	ZVEI Code:	LED
Total light flux at or above an angle of 90° [Lm]:	0	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	83	Control:	DALI-2
CRI (minimum):	90		

**Figure 1: Example of a radiation pattern for a 100-Watt, 12.5-microhm, 100-MHz vacuum tube diode.**

**Left Column (Radiation Pattern):**

- Top:**  $I_{max}=992$  cd, C0-180
- Plot:** A polar plot showing the radiation pattern. The horizontal axis is labeled  $90^\circ$  and  $180^\circ$ . The vertical axis is labeled  $1050$  and  $0^\circ$ . A red dashed line indicates the radiation pattern.
- Bottom:**  $\alpha = 65^\circ$

**Right Column (Diode Parameters):**

- CIE:**
  - nL 0.83
  - 81-97-99-100-83
  - UGR 19.7-19.6
- DIN:** A.61
- UTE:**
  - $0.83B+0.00T$
  - $F^*1=815$
  - $F^*1+F^*2=974$
  - $F^*1+F^*2+F^*3=993$

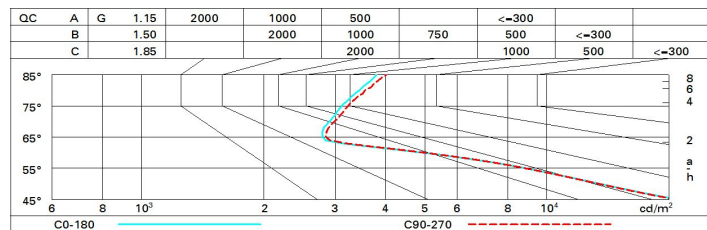
**Table 1: Radiation pattern data**

h	d1	d2	Em	Emax
1	1.3	1.3	712	992
2	2.6	2.6	178	248
3	3.9	3.9	79	110
4	5.1	5.2	44	62

# Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	68	62	58	55	61	58	57	54	65
1.0	72	67	63	61	66	63	62	59	71
1.5	78	74	71	69	73	70	70	66	80
2.0	81	79	76	74	77	75	74	71	86
2.5	83	81	79	78	80	78	77	74	89
3.0	85	83	81	80	81	80	79	76	92
4.0	86	85	83	82	83	82	81	78	94
5.0	87	86	85	84	84	83	82	79	95

# Luminance curve limit



# UGR diagram

Corrected UGR values (at 1420 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
2H	2H	19.7	20.5	20.0	20.8	21.0	19.7	20.5	20.0	20.7	21.0
	3H	19.7	20.4	20.0	20.6	20.9	19.7	20.4	20.0	20.7	20.9
	4H	19.7	20.3	20.0	20.6	20.9	19.6	20.3	20.0	20.6	20.9
	6H	19.7	20.3	20.0	20.6	20.9	19.6	20.2	19.9	20.5	20.8
	8H	19.7	20.3	20.1	20.6	20.9	19.5	20.1	19.9	20.4	20.8
	12H	19.7	20.3	20.1	20.6	21.0	19.5	20.0	19.9	20.4	20.7
4H	2H	19.6	20.3	20.0	20.6	20.9	19.7	20.3	20.0	20.6	20.9
	3H	19.6	20.2	20.0	20.5	20.9	19.7	20.2	20.1	20.6	20.9
	4H	19.6	20.1	20.0	20.5	20.9	19.6	20.1	20.0	20.5	20.9
	6H	19.7	20.1	20.1	20.5	20.9	19.6	20.0	20.0	20.4	20.8
	8H	19.7	20.1	20.2	20.5	21.0	19.6	19.9	20.0	20.4	20.8
	12H	19.8	20.1	20.2	20.6	21.0	19.5	19.9	20.0	20.3	20.8
8H	4H	19.6	19.9	20.0	20.4	20.8	19.8	20.2	20.2	20.6	21.0
	6H	19.7	20.0	20.1	20.4	20.9	19.8	20.1	20.3	20.5	21.0
	8H	19.8	20.0	20.2	20.5	21.0	19.8	20.1	20.3	20.5	21.0
	12H	19.9	20.1	20.4	20.6	21.1	19.8	20.0	20.3	20.5	21.0
12H	4H	19.5	19.9	20.0	20.3	20.8	19.8	20.2	20.3	20.6	21.1
	6H	19.7	19.9	20.1	20.4	20.9	19.9	20.1	20.3	20.6	21.1
	8H	19.8	20.0	20.3	20.5	21.0	19.9	20.1	20.4	20.6	21.1
Variations with the observer position at spacing:											
S =		1.0H					2.1 / -2.9				
		1.5H					3.4 / -4.8				
		2.0H					5.2 / -5.2				