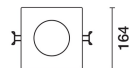


Design iGuzzini iGuzzini



RI47.83: Square 163 - General Lighting - DALI - Warm White - 24.4W 2763.6lm - 3000K - CRI 90 - Black Transparent

RI47.83: Square 163 - General Lighting - DALI - Warm White - 24.4W 2763.6lm - 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 - increased flow version to achieve maximum performance in 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

**Weight (Kg)**  
0.71

## 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



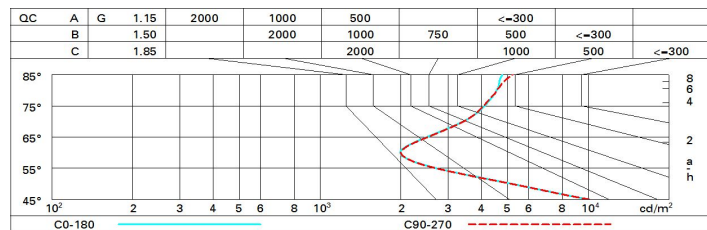
Im system:	2528	Colour temperature [K]:	3000
W system:	24.4	MacAdam Step:	2
Im source:	2940	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W source:	21	Lamp code:	LED
Luminous efficiency (lm/W, real value):	103.6	Number of lamps for optical assembly:	1
Im in emergency mode:	-	ZVEI Code:	LED
Total light flux at or above an angle of 90° [Lm]:	0	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	86	Control:	DALI-2
CRI (minimum):	90		

	<b>I</b> max=2953 cd <b>C0-180</b> <b>CIE</b> nL 0.86 87-97-99-100-86 UGR 18.5-18.0 <b>DIN</b> A.61 <b>UTE</b> 0.86A+0.00T F*1=873 F*1+F*2=973 F*1+F*2+F*3=990	<b>Lux</b> <table border="1"> <thead> <tr> <th>h</th> <th>d1</th> <th>d2</th> <th>Em</th> <th>Emax</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>2</td> <td>2</td> <td>539</td> <td>738</td> </tr> <tr> <td>4</td> <td>3.9</td> <td>3.9</td> <td>135</td> <td>185</td> </tr> <tr> <td>6</td> <td>5.9</td> <td>5.9</td> <td>60</td> <td>82</td> </tr> <tr> <td>8</td> <td>7.8</td> <td>7.8</td> <td>34</td> <td>46</td> </tr> </tbody> </table>	h	d1	d2	Em	Emax	2	2	2	539	738	4	3.9	3.9	135	185	6	5.9	5.9	60	82	8	7.8	7.8	34	46
	h	d1	d2	Em	Emax																						
	2	2	2	539	738																						
	4	3.9	3.9	135	185																						
	6	5.9	5.9	60	82																						
8	7.8	7.8	34	46																							
<b>alpha</b> =52°																											

# Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	73	67	64	61	66	63	63	59	69
1.0	77	72	69	66	71	68	68	64	74
1.5	82	78	76	73	77	75	74	71	82
2.0	85	83	80	78	81	79	78	75	88
2.5	87	85	83	82	84	82	81	78	91
3.0	88	87	85	84	85	84	83	80	93
4.0	90	88	87	86	87	86	85	82	95
5.0	90	89	88	88	88	87	86	83	97

# Luminance curve limit



# UGR diagram

Corrected UGR values (at 2940 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
2H	2H	17.8	18.5	18.1	18.8	19.0	17.8	18.6	18.1	18.8	19.0
	3H	17.8	18.5	18.2	18.8	19.1	17.7	18.4	18.0	18.6	18.9
	4H	18.0	18.6	18.3	18.9	19.2	17.6	18.3	18.0	18.6	18.9
	6H	18.2	18.8	18.5	19.1	19.4	17.6	18.2	17.9	18.5	18.8
	8H	18.3	18.8	18.6	19.2	19.5	17.5	18.1	17.9	18.4	18.8
	12H	18.3	18.9	18.7	19.2	19.6	17.5	18.0	17.9	18.4	18.7
4H	2H	17.6	18.3	17.9	18.5	18.9	18.0	18.6	18.3	18.9	19.2
	3H	17.8	18.3	18.1	18.6	19.0	18.0	18.5	18.4	18.9	19.2
	4H	18.0	18.5	18.4	18.8	19.2	18.0	18.5	18.4	18.9	19.2
	6H	18.4	18.8	18.8	19.2	19.6	18.0	18.4	18.5	18.8	19.3
	8H	18.5	18.9	19.0	19.3	19.8	18.0	18.4	18.5	18.8	19.3
	12H	18.7	19.0	19.1	19.5	19.9	18.0	18.4	18.5	18.8	19.3
8H	4H	18.0	18.4	18.5	18.8	19.3	18.6	18.9	19.0	19.4	19.8
	6H	18.5	18.8	19.0	19.3	19.7	18.7	19.0	19.2	19.5	20.0
	8H	18.8	19.0	19.3	19.5	20.0	18.8	19.1	19.3	19.5	20.0
	12H	19.0	19.3	19.5	19.8	20.3	18.9	19.1	19.4	19.6	20.1
12H	4H	18.0	18.4	18.5	18.8	19.2	18.7	19.1	19.2	19.5	20.0
	6H	18.5	18.8	19.0	19.3	19.8	19.0	19.2	19.5	19.7	20.2
	8H	18.8	19.1	19.3	19.6	20.1	19.1	19.3	19.6	19.8	20.3
Variations with the observer position at spacing:											
S =	1.0H	2.5 / -2.4					2.5 / -2.3				
	1.5H	3.8 / -2.7					3.8 / -2.6				
	2.0H	5.5 / -2.8					5.5 / -2.7				