

Light Shed 60

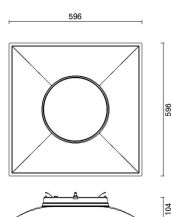
Design iGuzzini

iGuzzini

Last information update: April 2025

Product configuration: R901.81

R901.81: 596X596 - neutral white - UGR<19 - HO - DALI - 29.2W 3230.5lm - 4000K - CRI 90 - Light green



Product code

R901.81: 596X596 - neutral white - UGR<19 - HO - DALI - 29.2W 3230.5lm - 4000K - CRI 90 - Light green

Technical description

596 x 596 mm luminaire for pendant installation or surface-mounted on a modular grille - LED lamp with a 4000K tone with a high color rendering index. Body with a white finish in an ABS material derived from 45% of recycled materials. Coloured body versions are made of transparent polycarbonate coated with successive serigraph treatments that determine its surface finish. A lighting unit with high efficiency LED complete with a 100% recyclable PMMA microprismatic screen for UGR<19 L<3000 cd/mq $\alpha > 65^\circ$ controlled luminance emission, for use in environments with video monitors in compliance with EN 12464-1. DALI dimmable power supply driver included that can be positioned anywhere inside the installation compartment or on the pendant structure (consult the instruction sheet). Option of recessed installation in plasterboard surfaces using a frame to be ordered as an accessory. Pendant installation using a system of accessories to be ordered separately.

Installation

Surface-mounted on 600x600 mm modular panels. Recessed in plasterboard false ceilings using a frame accessory to be ordered separately.

Colour

Light green (81)

Weight (Kg)

1.94

Wiring

Product complete with DALI components. The electrical cables used are made of a "halogen free" material. (This means that the cables do not contain any halogen materials that in the event of a fire do not emit toxic or corrosive gases and only a small quantity of opaque fumes).

Notes

White finish: ABS + PMMA (45% recycled) - coloured finishes: Serigraphed polycarbonate.

TPb rated (colored versions only).

TPa version available on request, contact iGuzzini for more info.

Complies with EN60598-1 and pertinent regulations



IP20

IP43

On the visible part of the product once installed

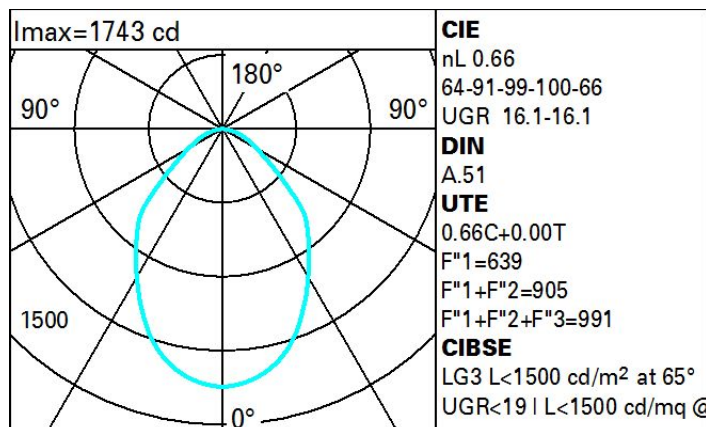


Technical data

lm system:	3026
W system:	29.2
lm source:	4550
W source:	26
Luminous efficiency (lm/W, real value):	103.6
lm in emergency mode:	-
Total light flux at or above an angle of 90° [Lm]:	0
Light Output Ratio (L.O.R.) [%]:	67
CRI (minimum):	90

Colour temperature [K]:	4000
MacAdam Step:	3
Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Voltage [Vin]:	230
Lamp code:	LED
Number of lamps for optical assembly:	1
ZVEI Code:	LED
Number of optical assemblies:	1
Control:	DALI-2

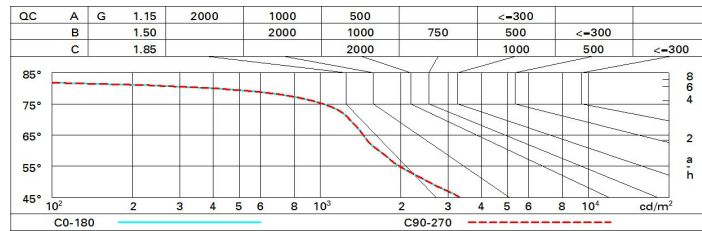
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	49	43	39	36	42	38	38	34	52
1.0	53	48	44	41	47	43	43	39	59
1.5	59	55	52	49	54	51	50	47	70
2.0	63	59	57	54	58	56	55	52	78
2.5	65	62	60	58	61	59	58	55	83
3.0	66	64	62	60	62	61	60	57	86
4.0	68	66	64	63	64	63	62	60	90
5.0	68	67	66	65	66	65	63	61	92

Luminance curve limit



UGR diagram

Corrected UGR values (at 4550 lm bare lamp luminous flux)											
Reflect.:		viewed crosswise					viewed endwise				
ceiling/cav		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
walls		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
work pl.		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Room dim											
x	y										
2H	2H	14.5	15.5	14.8	15.7	16.0	14.5	15.5	14.8	15.7	16.0
	3H	15.2	16.1	15.5	16.4	16.7	14.7	15.6	15.0	15.9	16.2
	4H	15.4	16.3	15.8	16.6	16.9	14.8	15.6	15.1	15.9	16.2
	6H	15.5	16.3	15.9	16.6	16.9	14.8	15.5	15.1	15.9	16.2
	8H	15.5	16.2	15.8	16.5	16.9	14.7	15.5	15.1	15.8	16.2
	12H	15.4	16.1	15.8	16.5	16.8	14.7	15.4	15.1	15.8	16.1
4H	2H	14.8	15.6	15.1	15.9	16.2	15.4	16.3	15.8	16.6	16.9
	3H	15.7	16.4	16.1	16.7	17.1	15.9	16.6	16.2	16.9	17.3
	4H	16.0	16.6	16.4	17.0	17.4	16.0	16.6	16.4	17.0	17.4
	6H	16.1	16.6	16.5	17.0	17.5	16.1	16.6	16.5	17.0	17.5
	8H	16.1	16.6	16.5	17.0	17.4	16.1	16.6	16.5	17.0	17.4
	12H	16.0	16.5	16.5	16.9	17.4	16.0	16.5	16.5	16.9	17.4
8H	4H	16.1	16.6	16.5	17.0	17.4	16.1	16.6	16.5	17.0	17.4
	6H	16.2	16.6	16.7	17.0	17.5	16.2	16.6	16.6	17.0	17.5
	8H	16.1	16.5	16.6	17.0	17.5	16.1	16.5	16.6	17.0	17.5
	12H	16.1	16.4	16.6	16.9	17.4	16.1	16.4	16.6	16.9	17.4
12H	4H	16.0	16.5	16.5	16.9	17.4	16.0	16.5	16.5	16.9	17.4
	6H	16.1	16.5	16.6	17.0	17.5	16.1	16.5	16.6	16.9	17.4
	8H	16.1	16.4	16.6	16.9	17.4	16.1	16.4	16.6	16.9	17.4
Variations with the observer position at spacing:											
S =		1.0H	0.5 / -0.6		0.5 / -0.6						
		1.5H	1.0 / -1.5		1.0 / -1.5						
		2.0H	2.1 / -1.9		2.1 / -1.9						