

Light Shed 60

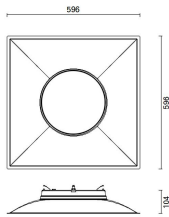
Design iGuzzini

iGuzzini

Last information update: April 2025

Product configuration: R874.01

R874.01: 596X596 - warm white - UGR<19 MPO screen - DALI - 23.5W 3124lm - 3000K - White



Product code

R874.01: 596X596 - warm white - UGR<19 MPO screen - DALI - 23.5W 3124lm - 3000K - White

Technical description

596 x 596 mm luminaire for pendant installation or surface-mounted on a modular grille - LED lamp with a 3000K colour tone. 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
White (01)

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.

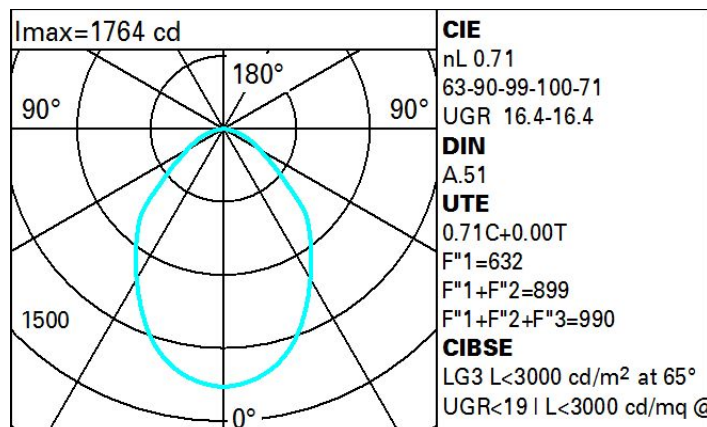
Complies with EN60598-1 and pertinent regulations



Technical data

lm system:	3124	Colour temperature [K]:	3000
W system:	23.5	MacAdam Step:	3
lm source:	4400	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W source:	21	Voltage [Vin]:	230
Luminous efficiency (lm/W, real value):	132.9	Lamp code:	LED
lm in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	0	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	71	Number of optical assemblies:	1
CRI (minimum):	80	Control:	DALI-2

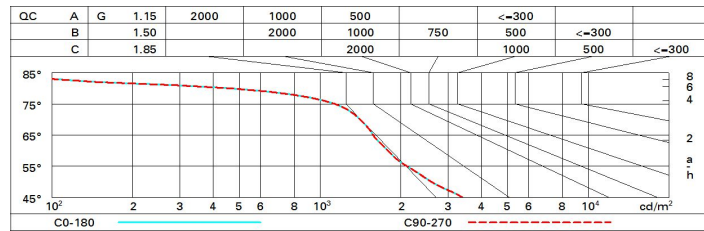
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	52	46	41	38	45	41	40	36	51
1.0	56	51	46	43	50	46	45	41	58
1.5	63	58	55	52	57	54	53	50	70
2.0	67	63	60	58	62	59	58	55	78
2.5	69	66	64	61	65	62	62	58	82
3.0	70	68	66	64	67	65	64	61	86
4.0	72	70	69	67	69	67	66	63	89
5.0	73	71	70	69	70	69	68	65	91

Luminance curve limit



UGR diagram

Corrected UGR values (at 4400 lm bare lamp luminous flux)													
Reflect.:													
ceil/cav		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30	0.70	0.70
walls		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30	0.50	0.30
work pl.		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Room dim		viewed						viewed					
x	y	crosswise						endwise					
2H	2H	14.7	15.7	15.0	15.9	16.2	14.7	15.7	15.0	15.9	16.2	14.7	15.7
	3H	15.5	16.4	15.8	16.7	17.0	14.9	15.8	15.3	16.1	16.4	14.9	15.8
	4H	15.7	16.6	16.1	16.9	17.2	15.0	15.9	15.4	16.2	16.5	15.0	15.9
	6H	15.8	16.6	16.2	16.9	17.2	15.0	15.8	15.4	16.1	16.5	15.0	15.8
	8H	15.8	16.5	16.1	16.9	17.2	15.0	15.7	15.4	16.1	16.4	15.0	15.7
	12H	15.7	16.5	16.1	16.8	17.2	15.0	15.7	15.3	16.0	16.4	15.0	15.7
4H	2H	15.0	15.9	15.4	16.2	16.5	15.7	16.6	16.1	16.9	17.2	15.7	16.6
	3H	16.0	16.7	16.4	17.1	17.4	16.2	16.9	16.6	17.2	17.6	16.2	16.9
	4H	16.3	17.0	16.8	17.4	17.7	16.3	17.0	16.8	17.4	17.7	16.3	17.0
	6H	16.4	17.0	16.9	17.4	17.8	16.4	17.0	16.9	17.4	17.8	16.4	17.0
	8H	16.4	16.9	16.9	17.3	17.8	16.4	16.9	16.9	17.4	17.8	16.4	16.9
	12H	16.4	16.8	16.8	17.3	17.7	16.4	16.9	16.9	17.3	17.8	16.4	16.9
8H	4H	16.4	16.9	16.9	17.4	17.8	16.4	16.9	16.9	17.3	17.8	16.4	16.9
	6H	16.6	17.0	17.0	17.4	17.9	16.5	16.9	17.0	17.4	17.9	16.5	16.9
	8H	16.5	16.9	17.0	17.3	17.8	16.5	16.9	17.0	17.3	17.8	16.5	16.9
	12H	16.5	16.8	17.0	17.3	17.8	16.5	16.8	17.0	17.3	17.8	16.5	16.8
12H	4H	16.4	16.9	16.9	17.3	17.8	16.4	16.8	16.8	17.3	17.7	16.4	16.8
	6H	16.5	16.9	17.0	17.3	17.8	16.5	16.8	17.0	17.3	17.8	16.5	16.8
	8H	16.5	16.8	17.0	17.3	17.8	16.5	16.8	17.0	17.3	17.8	16.5	16.8
Variations with the observer position at spacing:													
S =		1.0H		0.5 / -0.6		0.5 / -0.6							
		1.5H		0.9 / -1.3		0.9 / -1.3							
		2.0H		1.9 / -1.7		1.9 / -1.7							