Light Shed dB 60

Design iGuzzini **iGuzzini**

Last information update: May 2025

Product configuration: RE82
RE82: 596X596 - Sound-absorbent - tunable white - MPO screen UGR<19 - DALI

Product code
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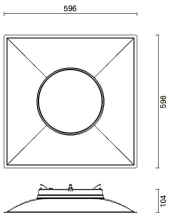
Technical description
596x596 mm luminaire for pendant installation or surface-mounted on a modular grille - LED lamp with high colour rendering index; 2700K-6500K tunable white colour tone emission. Body made of thermal insulating, sound-absorbent, 85% recycled polyester fibre material. OEKO-TEX certified, standard 100, class I, hypoallergenic, skin contact safe product. Waterproof, breathable, non putrescible panel. Product with high efficiency LED complete with MPO screen for UGR<19 L<3000 cd/mq α > 65° emission, for use in environments with video monitors in compliance with EN 12464-1. The DALI driver is free to be placed inside the the installation compartment as shown on the instruction sheet. Option of recessed installation in plasterboard ceilings using a frame to be ordered as an accessory. The product can be pendant-mounted using 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. Pendant-mounted using accessories to be ordered separately.



Colour
White (01) | Grey (15) | Blue (16) | Light green (81)

Weight (Kg)
1.9

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
See graph for acoustic calculation in Documentation Other colours and customised features are available on request.
TPb rated

Complies with EN60598-1 and pertinent regulations

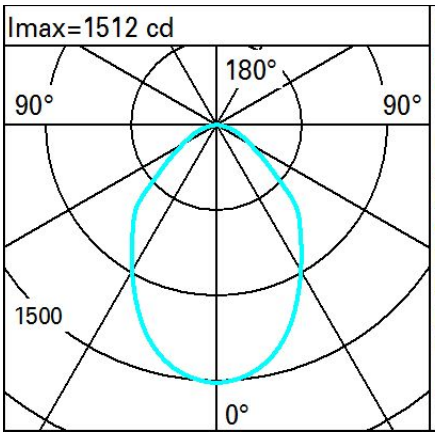
IP20 IP43 On the visible part of the product once installed

Technical data

Im system:	2596
W system:	31.2
Im source:	4400
W source:	26
Luminous efficiency (lm/W, real value):	83.2
Im in emergency mode:	-
Total light flux at or above an angle of 90° [Lm]:	0
Light Output Ratio (L.O.R.) [%]:	59
CRI (minimum):	90
Colour temperature [K]:	Tunable white 2700 - 6500
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
Power factor:	See installation instructions
Inrush current:	29 A / 153 µs
Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 32 luminaires B16A: 51 luminaires C10A: 53 luminaires C16A: 86 luminaires
Minimum dimming %:	1
Overvoltage protection:	2kV Common mode & 1kV Differential mode
Control:	DALI-2

Polar

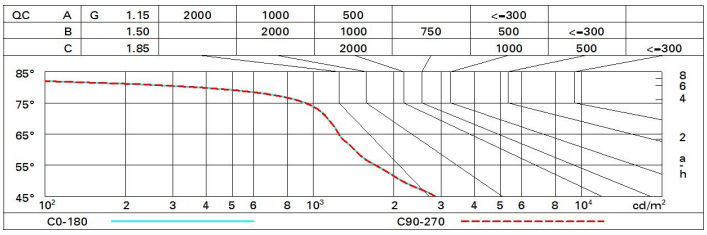


CIE
nL 0.59
64-90-99-100-59
UGR 15.6-15.6
DIN
A.51
UTE
0.59C+0.00T
F"1=638
F"1+F"2=903
F"1+F"2+F"3=990
CIBSE
LG3 L<1500 cd/m² at 65°
UGR<16 | L<1500 cd/mq @

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	43	38	34	32	37	34	34	30	52
1.0	47	42	39	36	41	38	38	35	59
1.5	52	49	46	43	48	45	45	41	70
2.0	55	53	50	48	51	49	49	46	78
2.5	57	55	53	51	54	52	51	49	83
3.0	58	57	55	53	55	54	53	51	86
4.0	60	58	57	56	57	56	55	53	90
5.0	61	59	58	57	58	57	56	54	92

Luminance curve limit



UGR diagram

Corrected UGR values (at 4400 lm bare lamp luminous flux)

Riflect.:											
ceil/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				viewed					viewed		
x	y			crosswise					endwise		
2H	2H	13.9	14.9	14.2	15.2	15.4	13.9	14.9	14.2	15.2	15.4
	3H	14.7	15.6	15.0	15.9	16.2	14.1	15.0	14.5	15.3	15.6
	4H	14.9	15.8	15.3	16.1	16.4	14.2	15.1	14.6	15.4	15.7
	6H	15.0	15.8	15.4	16.1	16.5	14.2	15.0	14.6	15.3	15.7
	8H	15.0	15.7	15.4	16.1	16.4	14.2	14.9	14.6	15.3	15.6
	12H	14.9	15.7	15.3	16.0	16.4	14.2	14.9	14.6	15.2	15.6
4H	2H	14.2	15.1	14.6	15.4	15.7	14.9	15.8	15.3	16.1	16.4
	3H	15.2	15.9	15.6	16.2	16.6	15.4	16.1	15.8	16.4	16.8
	4H	15.5	16.2	15.9	16.5	16.9	15.5	16.2	15.9	16.5	16.9
	6H	15.6	16.2	16.1	16.6	17.0	15.6	16.2	16.1	16.6	17.0
	8H	15.6	16.1	16.1	16.5	17.0	15.6	16.1	16.1	16.5	17.0
	12H	15.6	16.0	16.0	16.5	16.9	15.6	16.0	16.1	16.5	16.9
8H	4H	15.6	16.1	16.1	16.5	17.0	15.6	16.1	16.1	16.5	17.0
	6H	15.8	16.2	16.2	16.6	17.1	15.7	16.1	16.2	16.6	17.1
	8H	15.7	16.1	16.2	16.5	17.0	15.7	16.1	16.2	16.5	17.0
	12H	15.7	16.0	16.2	16.5	17.0	15.7	16.0	16.2	16.5	17.0
12H	4H	15.6	16.0	16.1	16.5	16.9	15.6	16.0	16.0	16.5	16.9
	6H	15.7	16.1	16.2	16.5	17.0	15.7	16.0	16.2	16.5	17.0
	8H	15.7	16.0	16.2	16.5	17.0	15.7	16.0	16.2	16.5	17.0

Variations with the observer position at spacing:

S =	1.0H	0.5 / -0.6	0.5 / -0.6
	1.5H	1.0 / -1.4	1.0 / -1.4
	2.0H	2.0 / -1.8	2.0 / -1.8