Light Shed 120

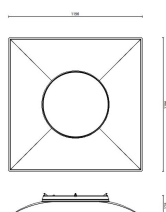**Design iGuzzini**   **iGuzzini**

Last information update: April 2025

Product configuration: R919.01
R919.01: 1196X1196 - neutral white - UGR<19 MPO screen - DALI - White

Product code
R919.01: 1196X1196 - neutral white - UGR<19 MPO screen - DALI - White

Technical description
1196x1196 mm luminaire for surface-mounting on modular panels in a 4000K neutral white colour. Body made of an ABS material derived from 45% of recycled materials - 100% recyclable PMMA screen. 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.

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

Colour	Weight (Kg)
White (01)	7.5

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).

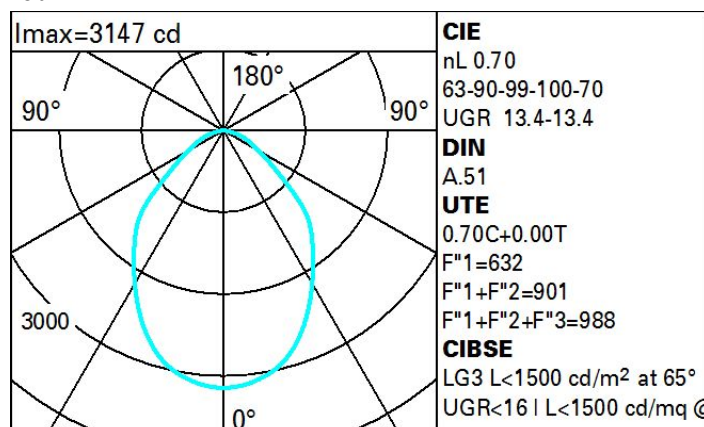Complies with EN60598-1 and pertinent regulations

IP20 IP40 On the visible part of the product once installed   CE   UKCA   S&E   CCC S&E   PEP ecoPASSPORT

Technical data

lm system:	5670	Voltage [Vin]:	230
W system:	48.2	Lamp code:	LED
lm source:	8100	Number of lamps for optical assembly:	1
W source:	44		
Luminous efficiency (lm/W, real value):	117.6	ZVEI Code:	LED
lm in emergency mode:	-	Number of optical assemblies:	1
Total light flux at or above an angle of 90° [Lm]:	0	Power factor:	See installation instructions
		Inrush current:	30 A / 200 µs
Light Output Ratio (L.O.R.) [%]:	70	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 12 luminaires
CRI (minimum):	90		B16A: 20 luminaires
Colour temperature [K]:	4000		C10A: 20 luminaires
MacAdam Step:	3		C16A: 34 luminaires
Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)	Minimum dimming %:	1
		Overvoltage protection:	2kV Common mode & 2kV Differential mode
		Control:	DALI-2

Polar

Imax=3147 cd

CIE
nL 0.70
63-90-99-100-70
UGR 13.4-13.4
DIN
A.51
UTE
0.70C+0.00T
F"1=632
F"1+F"2=901
F"1+F"2+F"3=988
CIBSE
LG3 L<1500 cd/m² at 65°
UGR<16 I L<1500 cd/mq @

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	51	45	41	37	44	40	40	36	51
1.0	56	50	46	43	49	45	45	41	58
1.5	62	58	54	51	56	53	53	49	70
2.0	66	62	59	57	61	58	58	54	78
2.5	68	65	63	61	64	62	61	58	82
3.0	69	67	65	63	66	64	63	60	86
4.0	71	69	67	66	68	66	65	62	89
5.0	72	70	69	68	69	68	67	64	91

Luminance curve limit

QC	A	G	1.15	2000		1000		500			<=300			
	B		1.50			2000		1000		750		500	<=300	
	C		1.85					2000				1000	500	<=300

C0-180 ————
C90-270 - - - - - - - - -
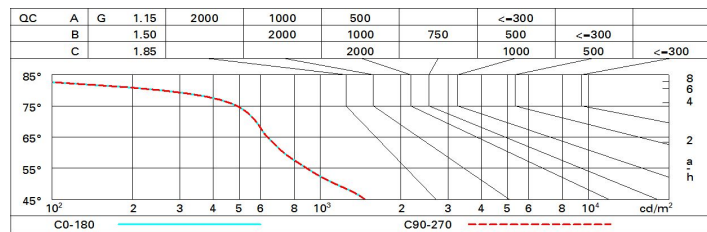
UGR diagram

Corrected UGR values (at 8100 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	11.7	12.6	12.0	12.9	13.1	11.7	12.6	12.0	12.9	13.1
	3H	12.4	13.3	12.8	13.6	13.9	11.9	12.8	12.3	13.1	13.4
	4H	12.7	13.5	13.0	13.8	14.1	12.0	12.8	12.3	13.1	13.4
	6H	12.8	13.5	13.2	13.9	14.2	12.0	12.7	12.4	13.0	13.4
	8H	12.8	13.5	13.2	13.8	14.2	12.0	12.7	12.3	13.0	13.4
	12H	12.7	13.4	13.1	13.8	14.1	11.9	12.6	12.3	13.0	13.3
4H	2H	12.0	12.8	12.3	13.1	13.4	12.7	13.5	13.0	13.8	14.1
	3H	12.9	13.6	13.3	13.9	14.3	13.1	13.8	13.5	14.1	14.5
	4H	13.3	13.9	13.7	14.3	14.6	13.3	13.9	13.7	14.3	14.6
	6H	13.4	14.0	13.9	14.4	14.8	13.4	13.9	13.8	14.3	14.7
	8H	13.4	13.9	13.9	14.3	14.8	13.4	13.9	13.8	14.3	14.7
	12H	13.4	13.8	13.8	14.2	14.7	13.3	13.8	13.8	14.2	14.7
8H	4H	13.4	13.9	13.8	14.3	14.7	13.4	13.9	13.9	14.3	14.8
	6H	13.6	14.0	14.0	14.4	14.9	13.5	13.9	14.0	14.4	14.9
	8H	13.5	13.9	14.0	14.4	14.9	13.5	13.9	14.0	14.4	14.9
	12H	13.5	13.8	14.0	14.3	14.8	13.5	13.8	14.0	14.3	14.8
12H	4H	13.3	13.8	13.8	14.2	14.7	13.4	13.8	13.8	14.2	14.7
	6H	13.5	13.9	14.0	14.3	14.8	13.5	13.8	14.0	14.3	14.8
	8H	13.5	13.8	14.0	14.3	14.8	13.5	13.8	14.0	14.3	14.8

Variations with the observer position at spacing:

S =	1.0H	0.5 / -0.6		0.5 / -0.6
	1.5H	0.9 / -1.4		0.9 / -1.4
	2.0H	2.0 / -1.8		2.0 / -1.8