iPlan

Design iGuzzini   **iGuzzini**
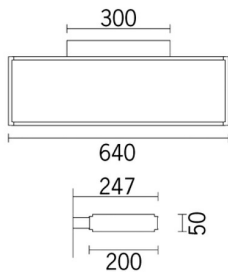
Last information update: April 2024

Product configuration: 5195
5195: indoor wall-mounted luminaire - 640x200 mm H 50 mm - warm white LED - DALI + INVERTER

Product code
5195: indoor wall-mounted luminaire - 640x200 mm H 50 mm - warm white LED - DALI + INVERTER

Technical description
Indoor wall-mounted luminaire with direct/indirect light emission designed to use a warm white LED lamp (3000K). The light flow is split into 44% down light, 56% uplight. The product optical assembly is made with extruded aluminium lateral profiles, injection-moulded polycarbonate end caps and sheet steel inner covers. The product undergoes a liquid paint treatment. The optic system consists of an MPO methacrylate screen that allows the direction of the light emitted by the LED lamp to be controlled accurately. Luminance is maintained in compliance with EN12464-1 standards. UGR<19 levels are ideal for offices and work environments with videoscreens.

Installation
Wall-mounted. Wall-mounting is allowed by an aluminium base, with a galvanised sheet steel inner supporting plate.

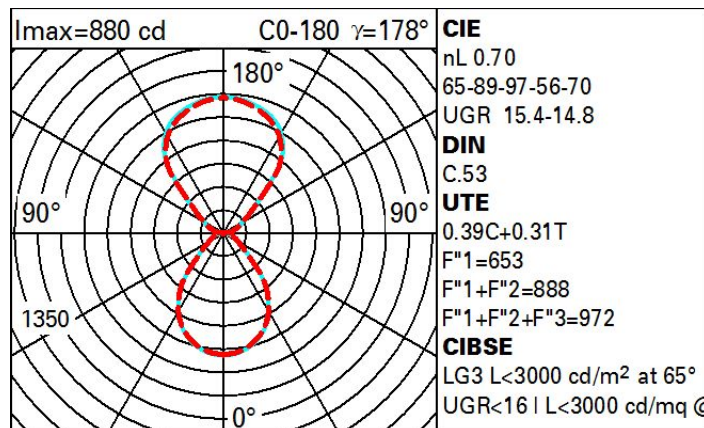| **Colour**	**Weight (Kg)**
Grey (15)	2.8

Mounting
wall surface

Wiring
Luminaire equipped with DALI ballast with emergency light. Complete with quick-coupling terminal blocks (set up for REST MODE), and complete with inverter and battery unit, with permanent emergency light having 1 hour autonomy.
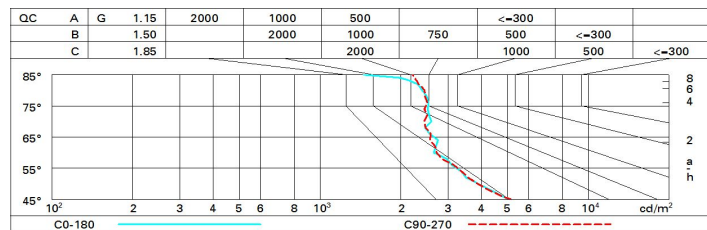
Complies with EN60598-1 and pertinent regulations

IP20   CE   03   EAC   NOM   RAM   S

Technical data

lm system:	3150	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
W system:	33.3	Lamp code:	LED
lm source:	4500	Number of lamps for optical assembly:	1
W source:	27		
Luminous efficiency (lm/W, real value):	94.6	ZVEI Code:	LED
lm in emergency mode:	-	Number of optical assemblies:	1
Total light flux at or above an angle of 90° [Lm]:	1755	Power factor:	See installation instructions
		Inrush current:	26 A / 140 µs
Light Output Ratio (L.O.R.) [%]:	70	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 15 luminaires
CRI (minimum):	80		B16A: 24 luminaires
Colour temperature [K]:	3000		C10A: 24 luminaires
MacAdam Step:	3.5		C16A: 40 luminaires
		Minimum dimming %:	1
		Overvoltage protection:	2kV Common mode & 1kV Differential mode
		Control:	DALI-2

Polar

Imax=880 cd   C0-180 γ=178°

CIE
nL 0.70
65-89-97-56-70
UGR 15.4-14.8
DIN
C.53
UTE
0.39C+0.31T
F"1=653
F"1+F"2=888
F"1+F"2+F"3=972
CIBSE
LG3 L<3000 cd/m² at 65°
UGR<16 | L<3000 cd/mq @

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	42	37	32	29	33	29	26	20	53
1.0	46	41	37	34	36	33	30	23	59
1.5	52	48	44	41	42	40	35	27	70
2.0	55	52	49	46	46	43	38	30	77
2.5	57	54	52	50	48	46	41	32	82
3.0	59	56	54	52	50	48	42	33	85
4.0	60	58	56	55	51	50	44	35	89
5.0	61	60	58	57	53	51	45	35	91

Luminance curve limit

QC		G										
	A	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 4500 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 x	y		viewed crosswise					viewed endwise			
2H	2H	12.9	13.5	13.8	14.3	15.4	12.9	13.5	13.8	14.4	15.4
	3H	13.7	14.2	14.6	15.1	16.2	13.0	13.6	13.9	14.4	15.5
	4H	14.1	14.6	15.0	15.5	16.6	13.1	13.5	13.9	14.4	15.5
	6H	14.5	14.9	15.4	15.8	17.0	13.0	13.5	13.9	14.4	15.5
	8H	14.6	15.1	15.6	16.0	17.1	13.0	13.4	13.9	14.3	15.5
	12H	14.7	15.1	15.6	16.0	17.2	13.0	13.4	13.9	14.3	15.4
4H	2H	13.0	13.5	13.9	14.4	15.5	14.1	14.6	15.0	15.5	16.6
	3H	14.0	14.5	15.0	15.4	16.5	14.4	14.8	15.3	15.7	16.9
	4H	14.6	15.0	15.5	15.9	17.1	14.6	14.9	15.5	15.9	17.0
	6H	15.2	15.5	16.1	16.4	17.6	14.7	15.0	15.7	16.0	17.2
	8H	15.4	15.7	16.3	16.6	17.8	14.8	15.1	15.7	16.0	17.2
	12H	15.5	15.7	16.4	16.7	17.9	14.8	15.0	15.7	16.0	17.2
8H	4H	14.8	15.1	15.8	16.0	17.2	15.3	15.6	16.3	16.6	17.8
	6H	15.5	15.8	16.5	16.7	18.0	15.7	15.9	16.7	16.9	18.1
	8H	15.8	16.0	16.8	17.0	18.3	15.8	16.0	16.8	17.0	18.3
	12H	16.0	16.2	17.0	17.2	18.5	16.0	16.1	17.0	17.1	18.4
12H	4H	14.8	15.0	15.8	16.0	17.2	15.5	15.8	16.5	16.7	18.0
	6H	15.6	15.8	16.6	16.8	18.0	15.9	16.1	16.9	17.1	18.3
	8H	16.0	16.2	17.0	17.1	18.4	16.1	16.3	17.1	17.3	18.5

Variations with the observer position at spacing:

S =	1.0H	0.3 / -0.4	0.3 / -0.3
	1.5H	0.9 / -0.7	0.9 / -0.7
	2.0H	1.7 / -0.9	1.7 / -0.9