Last information update: April 2024

#### Product configuration: N963+N978.01

iGuzzini

#### N963: Initial profile L 1208

N978.01: LED module - L 1196 - dark-light emission - warm white - integrated DALI dimmable control gear - 53W 7000Im - 3000K - White

Minimal (frameless) version extruded aluminium initial profile for up-down emission; complete with superpure aluminium lamellar optic screen with an anodised mirror finish. Controlled luminance down emission L  $\leq$  1500 cd/mq2-  $\alpha$  > 65°. PMMA diffusing screen

Installation can be pendant-mounted using suitable accessories to be ordered separately. The initial modules can be used

individually for various applications if completed with end caps and the required LED module.



8

60

Design iGuzzini

Colour

Aluminium (12)

Product code

Technical description

for upper emission.

Mounting ceiling pendant

Wiring

Set up to house the up-down LED modules required by the system.

N963: Initial profile L 1208 Attention! Code no longer in production

### Notes

Take care with the system configuration. To make continuous lines of lighting, use the intermediate modules. To complete a continuous line correctly there must always be an initial module at the start or end of the composition.

Complies with EN60598-1 and pertinent regulations



#### Product code

N978.01: LED module - L 1196 - dark-light emission - warm white - integrated DALI dimmable control gear - 53W 7000Im - 3000K - White Attention! Code no longer in production

### Technical description

LED module set up for housing in iN60 Dark Light up-down emission system initial or intermediate profiles. Extruded aluminium heat sink linear element. Combined with the lamellar optic screen housed in the system profiles, the luminaire generates a down emission (85%) with controlled luminance L  $\leq$  1500 cd/m2 –  $\alpha$  > 65°, for use in environments with video monitors in compliance with EN 12464-1. Diffused up emission (15%). Supplied with integrated dimmable DALI control gear. Warm white LED.

#### Installation

Module insertion on profiles with a mechanical easy-push system (steel snap-on spring).

Colour	Weight (Kg)
White (01)	1.75

## Wiring

Quick coupling input/output terminal block connection to simplify connections between the luminaires. LED module complete with integrated DALI control gear.



Complies with EN60598-1 and pertinent regulations

# Technical data

Im system:	4409	CRI:	80		
W system:	60.1	Colour temperature [K]:	3000		
Im source:	7000	MacAdam Step:	3		
W source:	53	Life Time LED 1:	50,000h - L80 - B10 (Ta 25°C)		
Luminous efficiency (Im/W,	73.4	Lamp code:	LED		
real value):		Number of lamps for optical	1		
Im in emergency mode:	-	assembly:			
Total light flux at or above	650	ZVEI Code:	LED		
an angle of 90° [Lm]:		Number of optical	1		
Light Output Ratio (L.O.R.) [%]:	63	assemblies:			

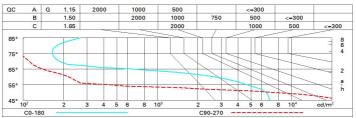
Polar

Imax=3007 cd	C0-180 γ=18°		Lux				
90°	180° 90°	nL 0.63 83-99-100-85-63 UGR 14.7-17.6	h	d1	d2	Em	Emax
		DIN B.63 UTE	2	2.4	4	443	655
3000	$\square$	0.54B+0.09T F"1=831	4	4.8	8	111	164
		F"1+F"2=995 F"1+F"2+F"3=999 CIBSE	6	7.2	12	49	73
α=62°/90°	0°	LG3 L<1500 cd/m² at 65° UGR<19   L<1500 cd/mq @	965 <sup>8</sup>	9.6	16	28	41

# Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	48	44	41	39	42	40	39	35	66
1.0	52	48	45	43	46	44	42	39	72
1.5	56	53	51	49	51	49	47	44	81
2.0	59	56	55	53	54	53	51	<mark>47</mark>	87
2.5	60	58	57	56	56	55	53	49	91
3.0	61	60	58	57	57	56	54	50	93
4.0	62	61	60	59	58	57	55	51	95
5.0	63	62	61	60	59	58	56	52	96

## Luminance curve limit



UGR diagram

THICK	nt -													
Riflect.: ceil/cav walls work pl.		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30			
		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30			
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20			
Room dim				viewed				0.00	viewed		0.000			
x	У		crosswise						endwise					
2H	2H	15.4	16.0	15.9	16.4	17.0	18.3	18.9	18.8	19.4	19.9			
	ЗН	15.2	15.7	15.7	16.2	16.8	18.2	18.7	18.7	19.2	19.8			
	4H	15.1	15.6	15.7	16.1	16.7	18.1	18.6	18.6	19.1	19.7			
	6H	15.0	15.5	15.6	16.0	16.6	18.0	18.4	18.6	19.0	19.6			
	BH	15.0	15.4	15.5	16.0	16.6	17.9	18.4	18.5	18.9	19.6			
	12H	14.9	15.3	15.5	15.9	16.5	17.9	18.3	18.5	18.9	19.5			
4H	2H	15.1	15.6	15.7	16.2	16.7	18.1	18.6	18.6	19.1	19.7			
	ЗH	14.9	15.4	15.5	15.9	16.6	17.9	18.3	18.5	18.9	19.5			
	4H	14.8	15.2	15.4	15.8	16.5	17.8	18.2	18.4	18.7	19.4			
	6H	14.7	15.0	15.4	15.7	16.4	17.7	18.0	18.3	18.6	19.3			
	BH	14.7	15.0	15.3	15.6	16.3	17.6	17.9	18.3	18.5	19.3			
	12H	14.6	14.9	15.3	15.5	16.3	17.6	17.8	18.2	18.5	19.2			
вн	4H	14.7	15.0	15.3	15.6	16.3	17.6	17.9	18.3	18.5	19.3			
	6H	14.6	14.8	15.2	15.5	16.2	17.5	17.7	18.2	18.4	19.2			
	8H	14.5	14.7	15.2	15.4	16.2	17.4	17.6	18.1	18.3	19.1			
	12H	14.4	14.6	15.2	15.3	16.1	17.4	17.6	18.1	18.3	19.1			
12H	4H	14.6	14.9	15.3	15.5	16.3	17.6	17.8	18.2	18.5	19.2			
	6H	14.5	14.7	15.2	15.4	16.2	17.4	17.6	18.1	18.3	19.1			
	H8	14.4	14.6	15.2	15.3	16.1	17.4	17.6	18.1	18.3	19.1			
Varia	tions wi	th the ot	oserver p	osition	at spacin	ig:								
S =	1.0H		6	2.7 / -20.6										
	1.5H		5	4.6 / -24.4										