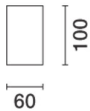


Last information update: April 2024

Product configuration: N966+N978.01

N966: Profile for a continuous line L 3594

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



Product code

N966: Profile for a continuous line L 3594 **Attention! Code no longer in production**

Technical description

Minimal (frameless) version extruded aluminium intermediate profile for up-down emission; complete with superpure aluminium lamellar optic screen with an anodised mirror finish. Controlled luminance down emission $L \leq 1500 \text{ cd/m}^2$ - $\alpha > 65^\circ$. PMMA diffusing screens for upper emission.

Installation

Installation can be pendant-mounted using suitable accessories to be ordered separately; mechanical systems for connecting modules included in the package.

Colour

Aluminium (12)

Mounting

ceiling pendant

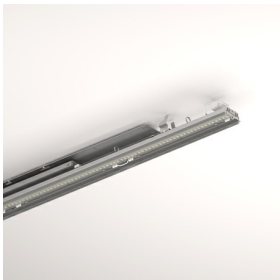
Wiring

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

Notes

Take care with the system configuration. 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 7000lm - 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 $L \leq 1500 \text{ cd/m}^2$ - $\alpha > 65^\circ$, 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

White (01)

Weight (Kg)

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



IP20



Technical data

lm system:	13228	CRI:	80
W system:	180.3	Colour temperature [K]:	3000
lm source:	21000	MacAdam Step:	3
W source:	159	Life Time LED 1:	50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	73.4	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]:	1950	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	63	Number of optical assemblies:	1

<p> $\alpha = 62^\circ / 90^\circ$ $\text{UGR} < 19$ $\text{L} < 1500 \text{ cd/mq}$ @ 65° </p>	CIE nL 0.63 83-99-100-85-63 UGR 14.7-17.6 DIN B.63 UTE 0.54B+0.09T F*1=831 F*1+F*2=995 F*1+F*2+F*3=999 CIBSE LG3 L<1500 cd/m ² at 65° UGR<19 L<1500 cd/mq @65°					Lux <table border="1"> <thead> <tr> <th>h</th> <th>d1</th> <th>d2</th> <th>Em</th> <th>Emax</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>2.4</td> <td>4</td> <td>1329</td> <td>1965</td> </tr> <tr> <td>4</td> <td>4.8</td> <td>8</td> <td>332</td> <td>491</td> </tr> <tr> <td>6</td> <td>7.2</td> <td>12</td> <td>148</td> <td>218</td> </tr> <tr> <td>8</td> <td>9.6</td> <td>16</td> <td>83</td> <td>123</td> </tr> </tbody> </table>					h	d1	d2	Em	Emax	2	2.4	4	1329	1965	4	4.8	8	332	491	6	7.2	12	148	218	8	9.6	16	83	123
	h	d1	d2	Em	Emax																														
2	2.4	4	1329	1965																															
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8	9.6	16	83	123																															

R	77	75	73	71	55	53	33	00	DDR
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	47	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

QC

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

85°
75°
65°
55°
45°

10¹ 2 3 4 5 6 8 10³ 2 3 4 5 6 8 10⁴ cGy/m²

C0-180 C90-270

UGR diagram

Corrected UGR values (at 2'1000 lm bare lamp luminous flux)											
Reflect.: ceiling walls work pl. Room dim x y		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
		viewed crosswise					viewed endwise				
2H	2H	15.4	16.0	15.9	16.5	17.0	18.3	19.0	18.8	19.4	19.9
	3H	15.2	15.8	15.8	16.3	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	18.7	19.1	19.7
	6H	15.0	15.5	15.6	16.0	16.6	18.0	18.5	18.6	19.0	19.6
	8H	15.0	15.4	15.6	16.0	16.6	18.0	18.4	18.5	19.0	19.6
	12H	14.9	15.4	15.5	15.9	16.6	17.9	18.3	18.5	18.9	19.5
4H	2H	15.1	15.6	15.7	16.2	16.8	18.1	18.6	18.6	19.1	19.7
	3H	15.0	15.4	15.6	16.0	16.6	17.9	18.3	18.5	18.9	19.5
	4H	14.8	15.2	15.5	15.8	16.5	17.8	18.2	18.4	18.8	19.4
	6H	14.7	15.1	15.4	15.7	16.4	17.7	18.0	18.3	18.6	19.3
	8H	14.7	15.0	15.3	15.6	16.3	17.6	17.9	18.3	18.6	19.3
	12H	14.6	14.9	15.3	15.6	16.3	17.6	17.8	18.2	18.5	19.2
8H	4H	14.7	15.0	15.3	15.6	16.3	17.6	17.9	18.3	18.6	19.3
	6H	14.6	14.8	15.3	15.5	16.2	17.5	17.8	18.2	18.4	19.2
	8H	14.5	14.7	15.2	15.4	16.2	17.5	17.7	18.2	18.4	19.1
	12H	14.5	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	17.5	17.7	18.2	18.4	19.1
	8H	14.5	14.6	15.2	15.3	16.1	17.4	17.6	18.1	18.3	19.1
Variations with the observer position at spacing:											
S =		1.0H	3.1 / -3.6		2.7 / -20.6						
		1.5H	3.9 / -9.5		4.6 / -24.4						
		2.0H	5.7 / -17.5		6.6 / -25.0						