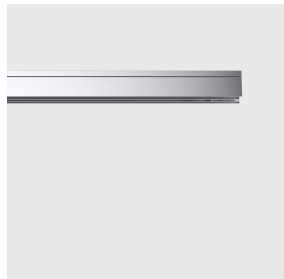


Last information update: March 2025

**Product configuration: RU34.12+PI29.12**

RU34.12: Linear module - recessed Minimal Down - for MMO/Space/Wall Washer versions - L=2384 - Aluminium

PI29.12: Plate with Neutral White LED - MMO Downlight - UGR<19 - LO - DALI - L=2384 - 35.6W 4612.3lm - 4000K - CRI 90 - Aluminium

**Product code**

RU34.12: Linear module - recessed Minimal Down - for MMO/Space/Wall Washer versions - L=2384 - Aluminium

**Technical description**

Recessed Minimal (Frameless) version with extruded aluminium profile installed flush with ceiling. Designed for use with an LED plate in MMO, Space and Wall Washer versions.

**Installation**

Can be recess-mounted.

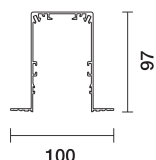
**Colour**

Aluminium (12)

**Wiring**

Designed to house the LED modules that can be used by the system.

Complies with EN60598-1 and pertinent regulations

**Product code**

PI29.12: Plate with Neutral White LED - MMO Downlight - UGR<19 - LO - DALI - L=2384 - 35.6W 4612.3lm - 4000K - CRI 90 - Aluminium

**Technical description**

Neutral White LED plate with direct (Down) emission in an MMO version. Low Output (LO) version with controlled luminance down emission  $L \leq 3000 \text{ cd/m}^2 - \alpha > 65^\circ$ , for use in environments with video monitors (UGR<19) in compliance with EN 12464-1. The module optic and structural fittings allow high luminous flux and system efficiency values. DALI dimmable power supply integrated in the luminaire. Extruded aluminium heat sink and "Halogen Free" electric cables. Moulded and metallised polycarbonate raster.

**Installation**

Module insertion on profiles facilitated by a quick coupling system.

**Colour**

Aluminium (12)

**Weight (Kg)**

1.76

**Wiring**

Quick coupling terminal block connection to simplify connections between the subsequent modules. Complete with integrated dimmable DALI power supply.

**Notes**

TPA version available on request, contact iGuzzini for more info

Complies with EN60598-1 and pertinent regulations



IP20

**Technical data**

Im system:	4612	Colour temperature [K]:	4000
W system:	35.6	MacAdam Step:	3
Im source:	5990	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W source:	32	Lamp code:	LED
Luminous efficiency (Im/W, real value):	129.6	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	0	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	77	Number of optical assemblies:	1
CRI (minimum):	90	Control:	DALI-2

<p>A light distribution diagram (photometric curve) showing the beam spread and illuminance. The diagram is circular with concentric circles representing different distances from the source. The top arc is labeled 'imax=3354 cd'. The top center angle is 'C40-220 γ=25°'. The right side has angles '90°' and '180°'. The left side has an angle '90°'. A point on the left arc is labeled '3000'. The bottom center angle is '0°'. The bottom left corner has 'α = 72°'. There are three curves: a solid black line, a dashed pink line, and a solid red line.</p>	<b>CIE</b> nL 0.77 86-100-100-100-77 UGR 15.2-15.1  <b>DIN</b> A.61  <b>UTE</b> 0.77A+0.00T F*1=863 F*1+F*2=997 F*1+F*2+F*3=999  <b>CIBSE</b> LG3 L<1500 cd/m <sup>2</sup> at 65° UGR<16   L<1500 cd/mq @65°	<b>Lux</b>  <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>2.9</td> <td>2.9</td> <td>599</td> <td>755</td> </tr> <tr> <td>4</td> <td>5.8</td> <td>5.8</td> <td>150</td> <td>189</td> </tr> <tr> <td>6</td> <td>8.7</td> <td>8.7</td> <td>67</td> <td>84</td> </tr> <tr> <td>8</td> <td>11.6</td> <td>11.6</td> <td>37</td> <td>47</td> </tr> </tbody> </table>	h	d1	d2	Em	Emax	2	2.9	2.9	599	755	4	5.8	5.8	150	189	6	8.7	8.7	67	84	8	11.6	11.6	37	47
h	d1	d2	Em	Emax																							
2	2.9	2.9	599	755																							
4	5.8	5.8	150	189																							
6	8.7	8.7	67	84																							
8	11.6	11.6	37	47																							

R	77	75	73	71	55	53	33	00	DRR
K0.8	65	60	56	54	59	56	56	53	68
1.0	69	64	61	59	63	61	60	57	74
1.5	74	70	68	66	69	67	67	64	83
2.0	77	74	72	71	73	71	71	68	88
2.5	78	76	75	74	75	74	73	71	92
3.0	79	78	77	76	77	76	75	72	94
4.0	81	79	78	78	78	77	76	74	96
5.0	81	80	79	79	79	78	77	75	97

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

85°

75°

65°

55°

45°

10<sup>1</sup> 2 3 4 5 6 8 10<sup>3</sup> 2 3 4 5 6 8 10<sup>4</sup>

C0-180 C90-270

cd/m<sup>2</sup>

# UGR diagram

Corrected UGR values (at 5990 lm bare lamp luminous flux)												
Reflect.: ceiling/cav 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	0.30
		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30	0.30
		0.20	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	15.8	16.4	16.1	16.7	16.9	15.6	16.3	15.9	16.5	16.8	16.8
	3H	15.7	16.2	16.0	16.5	16.8	15.5	16.1	15.8	16.4	16.7	16.7
	4H	15.6	16.1	15.9	16.4	16.7	15.5	16.0	15.8	16.3	16.6	16.6
	6H	15.5	16.0	15.9	16.3	16.6	15.4	15.9	15.7	16.2	16.5	16.5
	8H	15.5	15.9	15.8	16.3	16.6	15.3	15.8	15.7	16.1	16.5	16.5
	12H	15.4	15.9	15.8	16.2	16.6	15.3	15.8	15.7	16.1	16.4	16.4
4H	2H	15.6	16.1	15.9	16.4	16.7	15.4	16.0	15.8	16.3	16.6	16.6
	3H	15.5	15.9	15.8	16.2	16.6	15.3	15.8	15.7	16.1	16.4	16.4
	4H	15.4	15.8	15.8	16.1	16.5	15.2	15.6	15.6	16.0	16.4	16.4
	6H	15.3	15.6	15.7	16.0	16.4	15.1	15.5	15.6	15.9	16.3	16.3
	8H	15.2	15.6	15.7	16.0	16.4	15.1	15.4	15.5	15.8	16.3	16.3
	12H	15.2	15.5	15.6	15.9	16.4	15.0	15.3	15.5	15.8	16.2	16.2
8H	4H	15.2	15.6	15.7	16.0	16.4	15.1	15.4	15.5	15.8	16.3	16.3
	6H	15.1	15.4	15.6	15.9	16.3	15.0	15.3	15.5	15.7	16.2	16.2
	8H	15.1	15.3	15.6	15.8	16.3	14.9	15.2	15.4	15.6	16.1	16.1
	12H	15.0	15.2	15.5	15.7	16.2	14.9	15.1	15.4	15.6	16.1	16.1
12H	4H	15.2	15.5	15.6	15.9	16.4	15.0	15.3	15.5	15.8	16.2	16.2
	6H	15.1	15.3	15.6	15.8	16.3	14.9	15.2	15.4	15.6	16.1	16.1
	8H	15.0	15.2	15.5	15.7	16.2	14.9	15.1	15.4	15.6	16.1	16.1
Variations with the observer position at spacing:												
S =		1.0H	3.6 / -10.1					3.6 / -8.7				
		1.5H	5.2 / -22.0					5.1 / -18.4				
		2.0H	7.2 / -22.4					7.1 / -18.5				