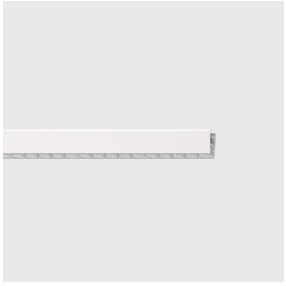
Libera System

Design Artec Studio **iGuzzini**

Last information update: July 2025

Product configuration: RP72.G0
RP72.G0: DownLight emission module - Frame - L= 1824 - 48Vdc (PWM) - UGR< 19 - Space Optic – Neutral White - White / clear space

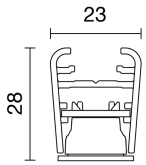


Product code
RP72.G0: DownLight emission module - Frame - L= 1824 - 48Vdc (PWM) - UGR< 19 - Space Optic – Neutral White - White / clear space

Technical description
Direct emission linear modular lighting system with Neutral White CRI90 monochrome LED lamps. UGR<19 luminaire with controlled luminance (L≤3000cd/m²). Opti-Diamond Space optic available in a White Cover (Transparent white) or Black Cover (Transparent black) version. Complete with 48Vdc Mid-Power Led circuit and PWM control system. Frame version with extruded aluminium profile; Modular luminaire that can be positioned freely as it rotates 360° around its own axis (See the instruction sheet for the accessories to be used).

Installation
Pendant or surface-mounted using suitable accessories to be ordered separately.

Colour	**Weight (Kg)**
White/White Transparent (G0)	0.98



Wiring
Connection with quick coupling input and output connectors. The module is designed to use suitable Led Strips (Up Light emission) to be ordered separately. Power supply unit (48V) to be ordered separately as specified in the instruction sheet. Available in an ON-OFF, DALI and BLE version.

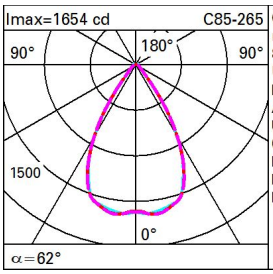
Complies with EN60598-1 and pertinent regulations

IP20

Technical data

Im system:	1818	MacAdam Step:	3
W system:	14.3	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Im source:	2190	Voltage [Vin]:	48
W source:	12	Lamp code:	LED
Luminous efficiency (lm/W, real value):	127.1	Number of lamps for optical assembly:	1
Im in emergency mode:	-	ZVEI Code:	LED
Total light flux at or above an angle of 90° [Lm]:	44	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	83	LED current [mA]:	36
CRI (minimum):	90	Control:	PWM
Colour temperature [K]:	4000		

Polar



CIE
nL 0.83
87-96-99-98-83
UGR 16.8-15.9
DIN
A.61
UTE
0.81A+0.02T
F"1=874
F"1+F"2=956
F"1+F"2+F"3=987

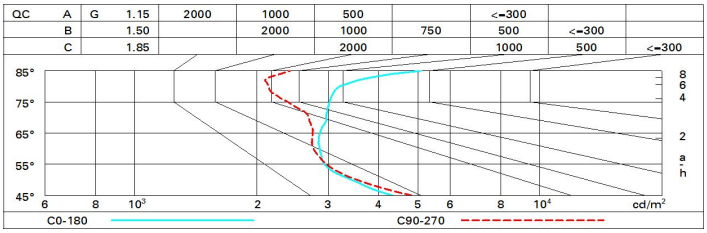
Lux

h	d1	d2	Em	Emax
1	1.2	1.2	1275	1627
2	2.4	2.4	319	407
3	3.6	3.6	142	181
4	4.8	4.8	80	102

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	69	64	61	58	63	60	59	56	69
1.0	73	69	65	63	67	64	64	60	74
1.5	78	75	72	69	73	71	70	66	82
2.0	81	79	76	74	77	75	74	71	87
2.5	83	81	79	78	79	78	77	73	91
3.0	84	83	81	80	81	80	78	75	93
4.0	86	84	83	82	83	82	80	77	95
5.0	87	86	85	84	84	83	81	78	97

Luminance curve limit



UGR diagram

Corrected UGR values (at 2190 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 crosswise					viewed endwise		
x	y										
2H	2H	14.6	15.3	14.9	15.5	15.8	14.8	15.5	15.1	15.8	16.0
	3H	15.2	15.8	15.5	16.1	16.4	14.8	15.4	15.2	15.8	16.1
	4H	15.5	16.1	15.9	16.4	16.8	14.8	15.4	15.2	15.7	16.1
	6H	15.9	16.4	16.3	16.8	17.2	14.8	15.3	15.2	15.7	16.1
	8H	16.1	16.6	16.5	17.0	17.4	14.8	15.3	15.2	15.7	16.1
	12H	16.4	16.9	16.8	17.2	17.7	14.8	15.2	15.2	15.6	16.0
4H	2H	14.6	15.2	15.0	15.6	15.9	15.5	16.0	15.8	16.4	16.7
	3H	15.4	15.9	15.8	16.3	16.7	15.7	16.2	16.1	16.6	17.0
	4H	15.9	16.3	16.4	16.8	17.2	15.8	16.2	16.2	16.6	17.1
	6H	16.5	16.8	16.9	17.3	17.8	15.9	16.3	16.4	16.7	17.2
	8H	16.8	17.1	17.3	17.6	18.1	15.9	16.3	16.4	16.7	17.2
	12H	17.2	17.5	17.7	18.0	18.5	15.9	16.3	16.4	16.7	17.2
8H	4H	16.0	16.4	16.5	16.9	17.3	16.2	16.5	16.7	17.0	17.5
	6H	16.8	17.1	17.3	17.6	18.1	16.4	16.7	16.9	17.2	17.7
	8H	17.2	17.5	17.7	18.0	18.5	16.5	16.8	17.1	17.3	17.9
	12H	17.8	18.0	18.3	18.5	19.1	16.7	16.9	17.2	17.4	18.0
12H	4H	16.0	16.4	16.5	16.8	17.3	16.3	16.6	16.8	17.1	17.6
	6H	16.8	17.1	17.4	17.6	18.1	16.6	16.8	17.1	17.3	17.9
	8H	17.3	17.6	17.9	18.1	18.6	16.8	17.0	17.3	17.5	18.1

Variations with the observer position at spacing:

S =	1.0H	1.4 / -0.9	1.8 / -1.3
	1.5H	3.0 / -1.1	3.7 / -1.6
	2.0H	4.4 / -1.2	5.3 / -1.6