

Libera Stand-alone

Design Artec
Studio

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Product configuration: RS42.P9

RS42.P9: Luminaire with DownLight emission L=1428 - General Light - High Output - Space Frameless optic - Warm White --
21.6W 2664.3lm - 3000K - CRI 90 - Titanium/White Transparent

Product code

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Technical description

Direct emission luminaire with Warm White CRI90 monochrome LED lamps. Opti-Diamond (High Output) General Light Space optic available in a White Cover (Transparent white) or Black Cover (Transparent black) version. Frameless version extruded aluminium profile with die-cast zamak end caps. Complete with power and pendant cable L=3000. Steel pendant mount cable with millimetric adjustment system and brass component. Ceiling-mounted base in painted aluminium with galvanised steel wall plate.

Installation

Pendant-mounted. Complete with power and pendant cables L=3000 with brass ceiling-fixing component

Colour

Titanium/White Transparent (P9)

Weight (Kg)

1.51

Mounting

ceiling pendant

Wiring

Product complete with ON-OFF power supply unit inside base.

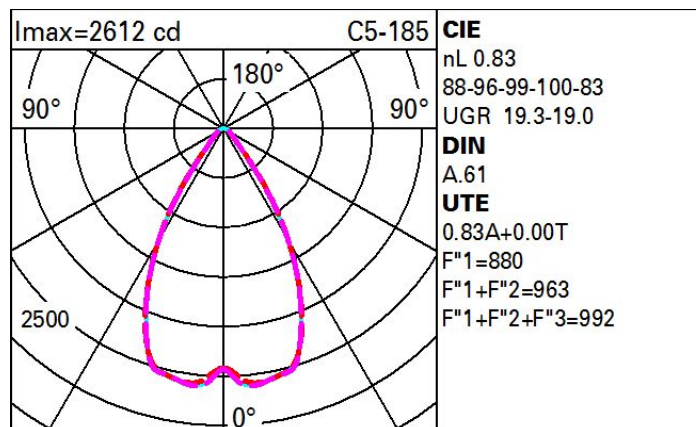
Complies with EN60598-1 and pertinent regulations



Technical data

lm system:	2664	MacAdam Step:	3
W system:	21.6	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
lm source:	3210	Lamp code:	LED
W source:	19	Number of lamps for optical assembly:	1
Luminous efficiency (lm/W, real value):	123.3	ZVEI Code:	LED
lm in emergency mode:	-	Number of optical assemblies:	1
Total light flux at or above an angle of 90° [Lm]:	0	Power factor:	See installation instructions
Light Output Ratio (L.O.R.) [%]:	83	Inrush current:	18 A / 250 µs
CRI (minimum):	90	Overvoltage protection:	2kV Common mode & 1kV Differential mode
Colour temperature [K]:	3000	Control:	On/off

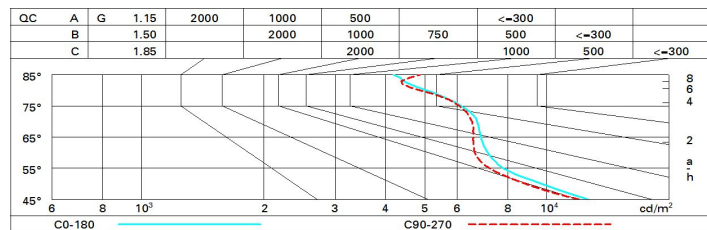
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	70	65	62	59	65	61	61	58	70
1.0	74	70	66	64	69	66	65	62	75
1.5	79	76	73	71	75	72	71	68	82
2.0	82	80	78	76	78	77	76	73	88
2.5	84	82	80	79	81	79	78	76	91
3.0	85	84	82	81	82	81	80	78	94
4.0	87	85	85	84	84	83	82	80	96
5.0	87	87	86	85	85	84	83	81	97

Luminance curve limit



UGR diagram

Corrected UGR values (at 3210 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
		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
2H	2H	17.9	18.6	18.2	18.8	19.1	17.9	18.6	18.2	18.8	19.1
	3H	18.4	19.0	18.7	19.3	19.6	18.0	18.6	18.3	18.9	19.1
	4H	18.6	19.2	19.0	19.5	19.8	18.0	18.5	18.3	18.8	19.1
	6H	18.8	19.3	19.2	19.7	20.0	17.9	18.5	18.3	18.8	19.1
	8H	18.9	19.4	19.2	19.7	20.0	17.9	18.4	18.3	18.8	19.1
	12H	18.9	19.4	19.2	19.7	20.0	17.9	18.4	18.3	18.7	19.1
4H	2H	18.0	18.5	18.3	18.8	19.1	18.6	19.2	19.0	19.5	19.8
	3H	18.6	19.1	19.0	19.4	19.8	18.8	19.3	19.2	19.7	20.0
	4H	18.9	19.4	19.3	19.7	20.1	18.9	19.4	19.3	19.7	20.1
	6H	19.2	19.6	19.6	20.0	20.4	19.0	19.4	19.4	19.8	20.2
	8H	19.3	19.6	19.7	20.0	20.5	19.0	19.4	19.4	19.8	20.2
	12H	19.3	19.6	19.8	20.1	20.5	19.0	19.3	19.4	19.7	20.2
8H	4H	19.0	19.4	19.5	19.8	20.2	19.3	19.6	19.7	20.0	20.5
	6H	19.4	19.7	19.8	20.1	20.6	19.4	19.7	19.9	20.2	20.6
	8H	19.5	19.7	20.0	20.2	20.7	19.5	19.8	20.0	20.2	20.7
	12H	19.6	19.8	20.1	20.3	20.8	19.6	19.8	20.1	20.3	20.8
12H	4H	19.0	19.3	19.5	19.7	20.2	19.3	19.6	19.8	20.1	20.5
	6H	19.4	19.6	19.9	20.1	20.6	19.5	19.8	20.0	20.2	20.7
	8H	19.5	19.8	20.0	20.2	20.8	19.6	19.8	20.1	20.3	20.8
Variations with the observer position at spacing:											
S =	1.0H	2.0 / -1.4					2.0 / -1.5				
	1.5H	3.9 / -1.8					4.0 / -1.9				
	2.0H	5.6 / -1.9					5.7 / -2.0				