

Libera Stand-alone

Design Artec
Studio

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Product configuration: RS42.M6

RS42.M6: Luminaire with DownLight emission L=1428 - General Light - High Output - Space Frameless optic - Warm White -- 21.6W 2664.3lm - 3000K - CRI 90 - White/Black 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

White/Black Transparent (M6)

Weight (Kg)

1.51

Mounting

ceiling pendant

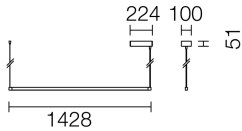
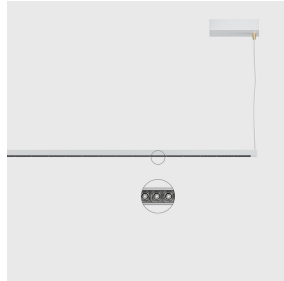
Wiring

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

Complies with EN60598-1 and pertinent regulations



IP20

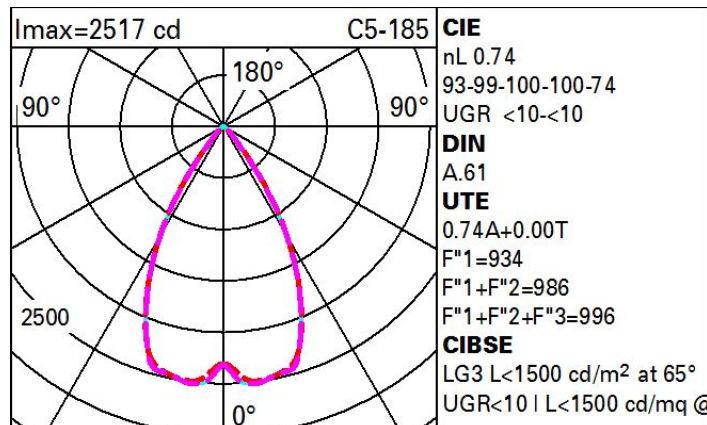


Technical data

lm system:	2375
W system:	19
lm source:	3210
W source:	19
Luminous efficiency (lm/W, real value):	125
lm in emergency mode:	-
Total light flux at or above an angle of 90° [Lm]:	0
Light Output Ratio (L.O.R.) [%]:	74
CRI (minimum):	90
Colour temperature [K]:	3000

MacAdam Step:	3
Lamp code:	LED
Number of lamps for optical assembly:	1
ZVEI Code:	LED
Number of optical assemblies:	1
Power factor:	See installation instructions
Inrush current:	18 A / 250 µs
Overvoltage protection:	2kV Common mode & 1kV Differential mode
Control:	On/off

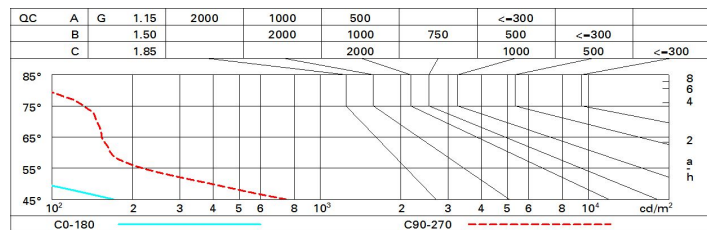
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	65	61	58	56	60	57	57	54	74
1.0	68	64	62	60	63	61	61	58	79
1.5	72	69	67	65	68	66	66	63	85
2.0	74	72	71	69	71	70	69	67	90
2.5	76	74	73	72	73	72	71	69	93
3.0	77	76	75	74	75	74	73	71	96
4.0	78	77	76	76	76	75	74	72	97
5.0	79	78	77	77	77	76	75	73	99

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				
2H	2H	4.1	4.7	4.4	4.9	5.2	0.5	7.1	0.8	7.4	7.0
	3H	4.0	4.0	4.3	4.8	5.1	0.4	7.0	0.7	7.2	7.5
	4H	4.0	4.5	4.3	4.8	5.1	0.3	0.8	0.7	7.1	7.4
	6H	3.9	4.4	4.2	4.7	5.0	0.3	0.7	0.6	7.0	7.4
	8H	3.9	4.3	4.2	4.6	5.0	0.2	0.7	0.6	7.0	7.3
	12H	3.8	4.3	4.2	4.6	4.9	0.2	0.6	0.6	7.0	7.3
4H	2H	3.9	4.4	4.3	4.7	5.0	0.4	0.9	0.8	7.2	7.5
	3H	3.8	4.3	4.2	4.6	4.9	0.3	0.7	0.7	7.1	7.4
	4H	3.8	4.1	4.2	4.5	4.9	0.2	0.6	0.6	7.0	7.4
	6H	3.7	4.0	4.1	4.4	4.8	0.1	0.5	0.6	6.9	7.3
	8H	3.7	4.0	4.1	4.4	4.8	0.1	0.4	0.5	6.8	7.3
	12H	3.6	3.9	4.1	4.3	4.8	0.0	0.3	0.5	6.8	7.2
8H	4H	3.6	4.0	4.1	4.4	4.8	0.2	0.5	0.6	6.9	7.3
	6H	3.6	3.8	4.1	4.3	4.8	0.1	0.3	0.6	6.8	7.3
	8H	3.5	3.8	4.0	4.2	4.7	0.0	0.3	0.5	6.7	7.2
	12H	3.5	3.7	4.0	4.2	4.7	0.0	0.2	0.5	6.7	7.2
12H	4H	3.6	3.9	4.1	4.3	4.8	0.1	0.4	0.6	6.8	7.3
	6H	3.5	3.8	4.0	4.2	4.7	0.1	0.3	0.5	6.7	7.2
	8H	3.5	3.7	4.0	4.2	4.7	0.0	0.2	0.5	6.7	7.2
Variations with the observer position at spacing:											
S =	1.0H	4.4 / -8.4					5.1 / -7.6				
	1.5H	7.2 / -9.6					7.9 / -9.0				
	2.0H	9.1 / -10.3					9.8 / -9.9				