

Last information update: April 2025

Product configuration: RP65.M6

RP65.M6: DownLight emission module - Frame - L= 1140 - 48Vdc (PWM) - UGR< 19 - Space Optic – Warm White - White/Black Transparent

Product code

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Technical description

Direct emission linear modular lighting system with Warm White CRI90 monochrome LED lamps. UGR<19 luminaire with controlled luminance ($L \leq 3000 \text{ cd/m}^2$). 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

White/Black Transparent (M6)

Weight (Kg)

0.61

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:	962	Colour temperature [K]:	2700
W system:	7.9	MacAdam Step:	3
Im source:	1300	Lamp code:	LED
W source:	7.9	Number of lamps for optical assembly:	1
Luminous efficiency (lm/W, real value):	121.8	ZVEI Code:	LED
Im in emergency mode:	-	Number of optical assemblies:	1
Total light flux at or above an angle of 90° [Lm]:	20	LED current [mA]:	39
Light Output Ratio (L.O.R.) [%]:	74	Control:	PWM
CRI (minimum):	90		

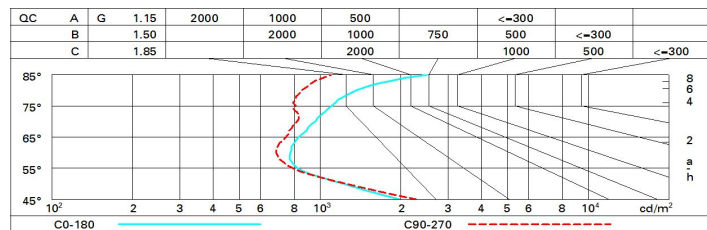
Polar

Imax=945 cd		C85-265		CIE		Lux	
90°		180°		nL 0.74		h	d1 d2 Em Emax
90°		90°		93-98-99-98-74		1	1.2 1.2 728 931
1050		0°		UGR 13.1-12.6		2	2.4 2.4 182 233
α=61°				DIN A.61		3	3.6 3.6 81 103
				UTE 0.72A+0.02T		4	4.7 4.8 46 58
				F*1=926			
				F*1+F*2=980			
				F*1+F*2+F*3=992			
				CIBSE LG3 L<3000 cd/m² at 65°			
				UGR<16 L<3000 cd/mq @65°			

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	64	60	57	55	59	56	56	53	73
1.0	67	63	61	59	62	60	59	57	78
1.5	71	68	66	64	67	65	64	61	85
2.0	74	71	70	68	70	69	68	65	90
2.5	75	73	72	71	72	71	70	67	93
3.0	76	75	74	73	73	73	71	69	95
4.0	77	76	76	75	75	74	73	70	97
5.0	78	77	76	76	75	75	73	71	98

Luminance curve limit



UGR diagram

Corrected UGR values (at 1300 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
		0.50	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	12.5	13.1	12.8	13.4	13.6	12.7	13.3	13.0	13.6	13.9
	3H	12.5	13.1	12.9	13.4	13.7	12.6	13.1	12.9	13.5	13.8
	4H	12.6	13.2	13.0	13.5	13.8	12.5	13.1	12.9	13.4	13.7
	6H	12.8	13.3	13.2	13.6	14.0	12.5	12.9	12.9	13.3	13.7
	8H	12.9	13.4	13.3	13.8	14.1	12.4	12.9	12.8	13.3	13.6
	12H	13.2	13.6	13.6	14.0	14.4	12.4	12.8	12.8	13.2	13.6
4H	2H	12.3	12.8	12.7	13.2	13.5	12.7	13.2	13.1	13.6	13.9
	3H	12.4	12.9	12.8	13.2	13.6	12.7	13.1	13.1	13.5	13.9
	4H	12.6	13.0	13.0	13.4	13.8	12.6	13.0	13.1	13.4	13.8
	6H	12.9	13.2	13.4	13.7	14.1	12.6	13.0	13.1	13.4	13.8
	8H	13.1	13.4	13.6	13.9	14.4	12.6	12.9	13.1	13.4	13.8
	12H	13.5	13.8	14.0	14.3	14.8	12.6	12.9	13.1	13.3	13.8
8H	4H	12.6	12.9	13.0	13.3	13.8	12.8	13.1	13.2	13.5	14.0
	6H	13.0	13.3	13.5	13.7	14.3	12.8	13.1	13.3	13.6	14.1
	8H	13.4	13.6	13.9	14.1	14.6	12.9	13.1	13.4	13.6	14.2
	12H	13.9	14.1	14.5	14.6	15.2	13.0	13.2	13.5	13.7	14.3
12H	4H	12.5	12.8	13.0	13.3	13.8	12.8	13.1	13.3	13.6	14.1
	6H	13.0	13.2	13.5	13.7	14.3	13.0	13.2	13.5	13.7	14.2
	8H	13.4	13.6	14.0	14.2	14.7	13.1	13.3	13.6	13.8	14.4
Variations with the observer position at spacing:											
S =	1.0H	2.8 / -2.2					3.4 / -3.5				
	1.5H	5.1 / -2.4					5.9 / -3.8				
	2.0H	6.9 / -2.5					7.8 / -3.8				