Libera System

Design Artec Studio **iGuzzini**

Last information update: July 2024

Product configuration: PE25
PE25: Strip UpLight for module L=912

Product code
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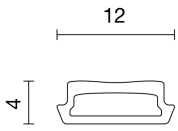
Technical description
Strip UpLight for module L=912. Monochrome LED High Output Neutral White CRI90 lamp with a General Light optic. Complete with quick coupling connectors.

Colour	Weight (Kg)
White (01)	0.02

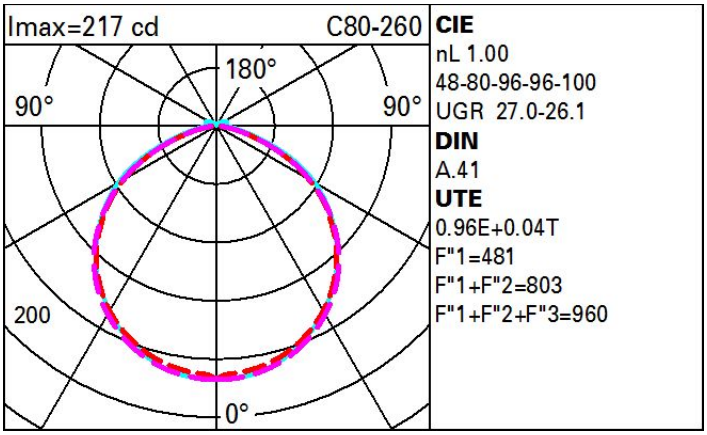
Complies with EN60598-1 and pertinent regulations



Technical data

lm system:	635	MacAdam Step:	3
W system:	4.8	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
lm source:	-	Voltage [Vin]:	48
W source:	-	Lamp code:	LED
Luminous efficiency (lm/W, real value):	132.3	Number of lamps for optical assembly:	1
lm in emergency mode:	-	ZVEI Code:	LED
Total light flux at or above an angle of 90° [Lm]:	25	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	100	LED current [mA]:	35
CRI (minimum):	90	Control:	PWM
Colour temperature [K]:	4000		

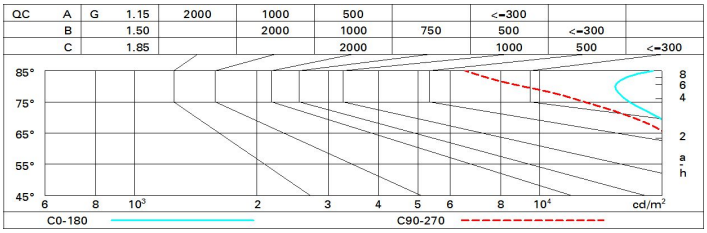
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	65	54	47	42	53	46	45	38	40
1.0	72	62	55	49	60	54	53	45	47
1.5	82	74	68	63	72	66	65	58	60
2.0	88	82	76	72	79	74	73	66	69
2.5	92	86	82	78	84	80	78	72	75
3.0	94	90	86	82	87	83	81	75	79
4.0	97	94	90	87	91	88	86	80	83
5.0	99	96	93	91	93	91	88	83	86

Luminance curve limit



UGR diagram

Corrected UGR values (at 635 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	23.6	24.7	24.0	25.1	25.4	23.5	24.6	23.8	24.9	25.2
	3H	25.1	26.0	25.5	26.4	26.8	23.9	24.9	24.3	25.3	25.6
	4H	25.5	26.4	25.9	26.8	27.2	24.1	25.0	24.5	25.4	25.8
	6H	25.8	26.7	26.3	27.1	27.5	24.1	25.0	24.6	25.4	25.8
	8H	26.0	26.8	26.4	27.2	27.7	24.1	24.9	24.6	25.4	25.8
	12H	26.1	26.9	26.6	27.3	27.8	24.1	24.9	24.6	25.3	25.8
4H	2H	24.2	25.1	24.7	25.5	25.9	25.0	25.9	25.4	26.3	26.7
	3H	25.8	26.6	26.3	27.0	27.5	25.5	26.3	26.0	26.8	27.2
	4H	26.4	27.1	26.8	27.5	28.0	25.8	26.5	26.3	27.0	27.4
	6H	26.8	27.4	27.3	27.9	28.4	26.0	26.6	26.5	27.1	27.6
	8H	27.0	27.6	27.5	28.1	28.6	26.1	26.6	26.6	27.1	27.6
	12H	27.2	27.7	27.7	28.2	28.8	26.1	26.6	26.6	27.1	27.6
8H	4H	26.5	27.1	27.1	27.6	28.1	26.1	26.7	26.6	27.1	27.7
	6H	27.1	27.6	27.7	28.1	28.7	26.4	26.9	26.9	27.4	28.0
	8H	27.4	27.8	28.0	28.4	29.0	26.5	26.9	27.1	27.5	28.1
	12H	27.7	28.1	28.3	28.6	29.2	26.6	27.0	27.2	27.5	28.1
12H	4H	26.5	27.0	27.1	27.6	28.1	26.1	26.6	26.6	27.1	27.7
	6H	27.2	27.6	27.7	28.1	28.7	26.4	26.8	27.0	27.4	28.0
	8H	27.5	27.9	28.1	28.4	29.0	26.6	26.9	27.2	27.5	28.1

Variations with the observer position at spacing:

S =			
	1.0H	0.1 / -0.1	0.1 / -0.1
	1.5H	0.3 / -0.4	0.3 / -0.5
	2.0H	0.4 / -0.6	0.6 / -0.8