# Libera System

Design Artec iGuzzini Studio

Last information update: July 2024

## Product configuration: PE42

PE42: Strip UpLight Warm White - UGR<19 - for module L=912

## Product code

PE42: Strip UpLight Warm White - UGR<19 - for module L=912

## Technical description

Strip UpLight for module L=912. Monochrome Warm White CRI90 LED lamp with UGR<19. Complete with quick coupling connectors.

 Colour
 Weight (Kg)

 White (01)
 0.02

Complies with EN60598-1 and pertinent regulations



IP20



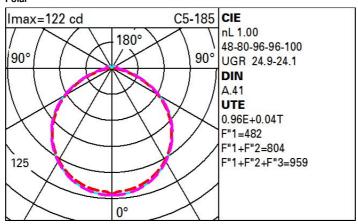


12



Technical data			
Im system:	355	MacAdam Step:	3
W system:	2.9	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Im source:	-	Voltage [Vin]:	48
W source:	-	Lamp code:	LED
Luminous efficiency (lm/W, real value):	122.4	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]:	14	Number of optical assemblies:	1
Light Output Ratio (L.O.R.)	100	LED current [mA]:	20
[%]:		Control:	PWM
CRI (minimum):	90		
Colour temperature [K]:	2700		

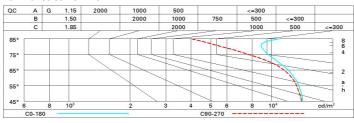
# Polar



## **Utilisation factors**

R	77	75	73	71	55	53	33	00	DRR
K0.8	65	55	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



2H 3H 4H 6H 8H 12H 2H 3H 4H	0.70 0.50 0.20 21.5 22.9 23.4 23.8 23.9 24.1 22.1 23.7 24.2	22.6 23.9 24.3 24.6 24.7 24.8	0.50 0.50 0.20 viewed crosswis 21.9 23.3 23.8 24.2 24.4 24.5		0.30 0.30 0.20 23.3 24.6 25.1 25.4 25.6 25.7	0.70 0.50 0.20 21.5 21.9 22.1 22.1 22.1 22.1	0.70 0.30 0.20 22.6 22.9 23.0 23.0 22.9 22.9	0.50 0.50 0.20 viewed endwise 21.8 22.3 22.5 22.6 22.6 22.5	0.50 0.30 0.20 22.9 23.3 23.4 23.4 23.3 23.3	0.30 0.30 0.20 23.3 23.7 23.8 23.8 23.7
2H 3H 4H 6H 12H 2H 3H 4H	21.5 22.9 23.4 23.8 23.9 24.1 22.1 23.7	22.6 23.9 24.3 24.6 24.7 24.8	0.50 0.20 viewed crosswis 21.9 23.3 23.8 24.2 24.4 24.5	0.30 0.20 e 23.0 24.2 24.7 25.0 25.1 25.3	23.3 24.6 25.1 25.4 25.6 25.7	21.5 21.9 22.1 22.1 22.1 22.1	22.6 22.9 23.0 22.9 22.9 22.9	0.50 0.20 viewed endwise 21.8 22.3 22.5 22.6 22.6 22.5	22.9 23.3 23.4 23.4 23.3 23.3	23.3 23.5 23.8 23.8 23.8 23.8
2H 3H 4H 6H 8H 12H 2H 3H 4H	21.5 22.9 23.4 23.8 23.9 24.1 22.1 23.7	22.6 23.9 24.3 24.6 24.7 24.8	0.20 viewed crosswis 21.9 23.3 23.8 24.2 24.4 24.5	0.20 e 23.0 24.2 24.7 25.0 25.1 25.3	23.3 24.6 25.1 25.4 25.6 25.7	21.5 21.9 22.1 22.1 22.1 22.1	22.6 22.9 23.0 23.0 22.9 22.9	0.20 viewed endwise 21.8 22.3 22.5 22.6 22.6 22.5	22.9 23.3 23.4 23.4 23.3 23.3	23.3 23.3 23.8 23.8 23.8 23.8
2H 3H 4H 6H 8H 12H 2H 3H 4H	21.5 22.9 23.4 23.8 23.9 24.1 22.1 23.7	22.6 23.9 24.3 24.6 24.7 24.8	21.9 23.3 23.8 24.2 24.4 24.5	23.0 24.2 24.7 25.0 25.1 25.3	23.3 24.6 25.1 25.4 25.6 25.7	21.5 21.9 22.1 22.1 22.1 22.1	22.6 22.9 23.0 23.0 22.9 22.9	21.8 22.3 22.5 22.6 22.6 22.5	22.9 23.3 23.4 23.4 23.3 23.3	23.0 23.0 23.0 23.0 23.0 23.0
y 2H 3H 4H 6H 8H 12H 2H 3H 4H	22.9 23.4 23.8 23.9 24.1 22.1 23.7	22.6 23.9 24.3 24.6 24.7 24.8	21.9 23.3 23.8 24.2 24.4 24.5	23.0 24.2 24.7 25.0 25.1 25.3	24.6 25.1 25.4 25.6 25.7	21.9 22.1 22.1 22.1 22.1	22.6 22.9 23.0 23.0 22.9 22.9	21.8 22.3 22.5 22.6 22.6 22.5	22.9 23.3 23.4 23.4 23.3 23.3	23. 23. 23. 23. 23.
2H 3H 4H 6H 8H 12H 2H 3H 4H	22.9 23.4 23.8 23.9 24.1 22.1 23.7	22.6 23.9 24.3 24.6 24.7 24.8	21.9 23.3 23.8 24.2 24.4 24.5	23.0 24.2 24.7 25.0 25.1 25.3	24.6 25.1 25.4 25.6 25.7	21.9 22.1 22.1 22.1 22.1	22.6 22.9 23.0 23.0 22.9 22.9	21.8 22.3 22.5 22.6 22.6 22.5	22.9 23.3 23.4 23.4 23.3 23.3	23.5 23.6 23.6 23.6 23.7
3H 4H 6H 8H 12H 2H 3H 4H	22.9 23.4 23.8 23.9 24.1 22.1 23.7	23.9 24.3 24.6 24.7 24.8 23.0 24.4	23.3 23.8 24.2 24.4 24.5	24.2 24.7 25.0 25.1 25.3	24.6 25.1 25.4 25.6 25.7	21.9 22.1 22.1 22.1 22.1	22.9 23.0 23.0 22.9 22.9	22.3 22.5 22.6 22.6 22.5	23.3 23.4 23.4 23.3 23.3	23.5 23.6 23.6 23.6 23.7
4H 6H 8H 12H 2H 3H 4H	23.4 23.8 23.9 24.1 22.1 23.7	24.3 24.6 24.7 24.8 23.0 24.4	23.8 24.2 24.4 24.5	24.7 25.0 25.1 25.3	25.1 25.4 25.6 25.7 23.8	22.1 22.1 22.1 22.1	23.0 23.0 22.9 22.9	22.5 22.6 22.6 22.5	23.4 23.4 23.3 23.3	23.0 23.0 23.0 23.0
6H 8H 12H 2H 3H 4H	23.8 23.9 24.1 22.1 23.7	24.6 24.7 24.8 23.0 24.4	24.2 24.4 24.5 22.5	25.0 25.1 25.3 23.4	25.4 25.6 25.7 23.8	22.1 22.1 22.1	23.0 22.9 22.9	22.6 22.6 22.5	23.4 23.3 23.3	23.8 23.8 23.1
2H 3H 4H	23.9 24.1 22.1 23.7	24.7 24.8 23.0 24.4	24.4 24.5 22.5	25.1 25.3 23.4	25.6 25.7 23.8	22.1 22.1	22.9 22.9	22.6 22.5	23.3 23.3	23.
12H 2H 3H 4H	24.1 22.1 23.7	24.8 23.0 24.4	24.5	25.3 23.4	25.7	22.1	22.9	22.5	23.3	23.
2H 3H 4H	22.1 23.7	23.0 24.4	22.5	23.4	23.8		1 50,700,00	27000	SECURE SE	000000
3H 4H	23.7	24.4				23.1	24.0	23.5	24.4	245
4H	10000000		24.1	240						24.0
	24.2	0.46		24.0	25.3	23.7	24.4	24.1	24.9	25.3
203		24.9	24.7	25.4	25.9	23.9	24.6	24.4	25.0	25.5
6H	24.7	25.3	25.2	25.8	26.3	24.1	24.7	24.6	25.2	25.
HS	24.9	25.5	25.4	26.0	26.5	24.1	24.7	24.6	25.2	25.
12H	25.1	25.7	25.7	26.2	26.7	24.1	24.6	24.6	25.1	25.
4H	24.4	25.0	24.9	25.5	26.0	24.2	24.8	24.7	25.3	25.
бН	25.1	25.5	25.6	26.0	26.6	24.5	25.0	25.1	25.5	26.
HS	25.3	25.7	25.9	26.3	26.9	24.6	25.0	25.2	25.6	26.2
12H	25.7	26.0	26.2	26.6	27.2	24.7	25.1	25.3	25.6	26.2
4H	24.4	24.9	24.9	25.4	26.0	24.3	24.8	24.8	25.3	25.
бН	25.1	25.5	25.6	26.0	26.6	24.6	25.0	25.1	25.5	26.
H8	25.4	25.8	26.0	26.3	26.9	24.7	25.1	25.3	25.6	26.2
ns wi	th the ob	oserverp	noitieo	at spacin	ıg:					
1.0H		0	.1 / -0	.1						
1.5H		0	.3 / -0.	.4			0	.3 / -0.	5	
)r	BH BH ns wi	3H 25.1 3H 25.4 ns with the ol 0H 5H	3H 25.1 25.5 BH 25.4 25.8 as with the observer p 0H 0 5H 0	25.1 25.5 25.6 25.4 25.8 26.0 25.4 25.8 26.0 19 with the observer position 0.0 0.1 / -0 5H 0.3 / -0	25.1 25.5 25.0 26.0 25.4 25.8 26.0 26.3 19 with the observer position at spacin 0H 0.1 / -0.1 5H 0.3 / -0.4	3H 25.1 25.5 25.6 26.0 26.6 3H 25.4 25.8 26.0 26.3 26.9 19 with the observer position at spacing: 10H 0.1 / -0.1 5H 0.3 / -0.4	3H 25.1 25.5 25.6 26.0 26.6 24.6 3H 25.4 25.8 26.0 26.3 26.9 24.7 19 with the observer position at spacing: 0H 0.1 / -0.1 5H 0.3 / -0.4	3H 25.1 25.5 25.6 26.0 26.6 24.6 25.0 25.1 25.4 25.8 26.0 26.3 26.9 24.7 25.1 25.1 25.4 25.8 26.0 26.3 26.9 24.7 25.1 25.1 25.1 25.1 25.1 25.1 25.1 25.1	3H 25.1 25.5 25.0 26.0 26.6 24.6 25.0 25.1 25.3 26.9 24.7 25.1 25.3 26.9 24.7 25.1 25.3 26.9 24.7 25.1 25.3 26.9 26.1 24.7 25.1 25.3 26.9 26.1 26.1 26.1 26.1 26.1 26.1 26.1 26.1	3H 25.1 25.5 25.0 26.0 26.6 24.6 25.0 25.1 25.5 3H 25.4 25.8 26.0 26.3 26.9 24.7 25.1 25.3 25.6 24.7 25.1 25.3 25.6 24.7 25.1 25.3 25.6 24.7 25.1 25.3 25.6 24.7 25.1 25.3 25.6 24.7 25.1 25.3 25.6 24.7 25.1 25.3 25.6 24.7 25.1 25.3 25.6 24.7 25.1 25.3 25.6 24.7 25.1 25.3 25.6 24.7 25.1 25.3 25.6 24.7 25.1 25.3 25.6 24.7 25.1 25.3 25.6 25.1 25.3 25.6 24.7 25.1 25.3 25.6 25.1 25.5 24.7 25.1 25.3 25.6 25.1 25.5 25.1 25.1