

Last information update: July 2024

Product configuration: PE31
PE31: Strip UpLight for module L=1824



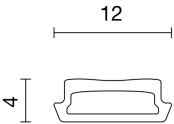
Product code
PE31: Strip UpLight for module L=1824

Technical description
Strip UpLight for module L=1824. Monochrome LED High Output Warm White CRI90 lamp with a General Light optic. Complete with quick coupling connectors.

Colour
White (01)

Weight (Kg)
0.05

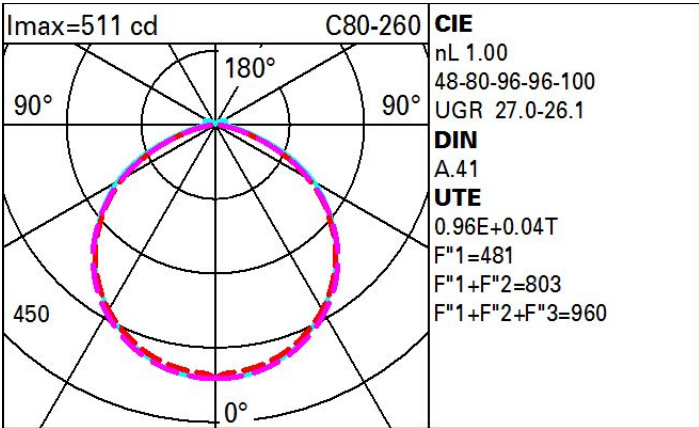
Complies with EN60598-1 and pertinent regulations



Technical data

Im system:	1495	MacAdam Step:	3
W system:	11.2	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Im source:	-	Voltage [Vin]:	48
W source:	-	Lamp code:	LED
Luminous efficiency (Im/W, real value):	133.5	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]:	59	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	100	LED current [mA]:	35
CRI (minimum):	90	Control:	PWM
Colour temperature [K]:	3000		

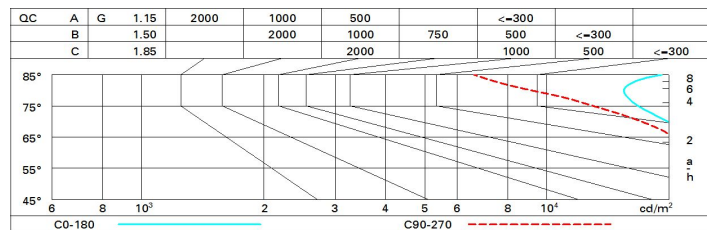
Polar



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 1495 lm bare lamp luminous flux)											
Reflect.: ceiling 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	23.7	24.8	24.0	25.1	25.5	23.5	24.6	23.9	24.9	25.3
	3H	25.1	26.1	25.5	26.4	26.8	23.9	24.9	24.3	25.3	25.7
	4H	25.5	26.4	26.0	26.8	27.2	24.1	25.0	24.5	25.4	25.8
	6H	25.9	26.7	26.3	27.1	27.6	24.2	25.0	24.6	25.4	25.8
	8H	26.0	26.8	26.5	27.2	27.7	24.2	25.0	24.6	25.4	25.8
	12H	26.2	26.9	26.6	27.4	27.8	24.1	24.9	24.6	25.3	25.8
4H	2H	24.3	25.2	24.7	25.6	26.0	25.0	25.9	25.4	26.3	26.7
	3H	25.6	26.6	26.3	27.0	27.5	25.6	26.4	26.0	26.8	27.2
	4H	26.4	27.1	26.9	27.5	28.0	25.8	26.5	26.3	27.0	27.5
	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	27.7
	12H	27.2	27.7	27.8	28.2	28.8	26.1	26.6	26.6	27.1	27.7
8H	4H	26.6	27.1	27.1	27.6	28.2	26.1	26.7	26.6	27.2	27.7
	6H	27.2	27.6	27.7	28.2	28.7	26.4	26.9	27.0	27.4	28.0
	8H	27.4	27.9	28.0	28.4	29.0	26.6	27.0	27.1	27.5	28.1
	12H	27.8	28.1	28.3	28.7	29.3	26.7	27.0	27.2	27.6	28.2
12H	4H	26.6	27.1	27.1	27.6	28.1	26.1	26.6	26.7	27.2	27.7
	6H	27.2	27.6	27.7	28.1	28.7	26.5	26.9	27.0	27.4	28.0
	8H	27.5	27.9	28.1	28.4	29.0	26.6	27.0	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				