Libera System

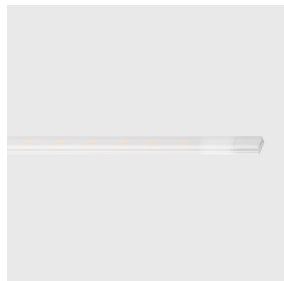|	
Design Artec Studio	**iGuzzini**

Last information update: June 2025

Product configuration: PE40
PE40: Strip UpLight Warm White - UGR<19 - for module L=684

Product code
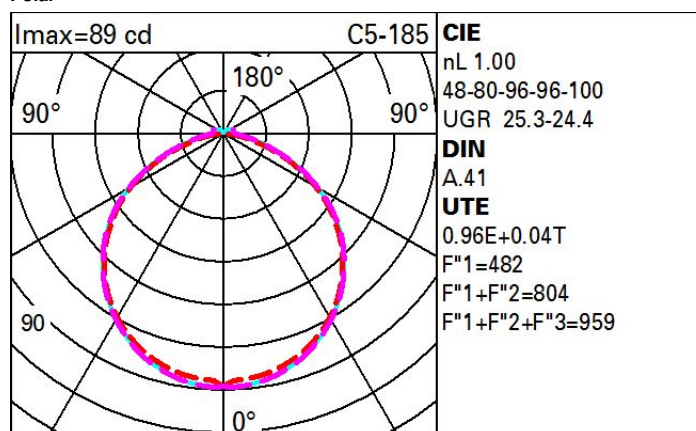PE40: Strip UpLight Warm White - UGR<19 - for module L=684

Technical description
Strip UpLight for module L=684. Monochrome Warm White CRI90 LED lamp with UGR<19. Complete with quick coupling connectors.

Colour	Weight (Kg)
White (01)	0.01

Complies with EN60598-1 and pertinent regulations

III · IP20 · CE · UKCA · QCERT

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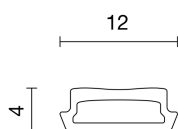
Technical data

lm system:	260	MacAdam Step:	3
W system:	1.9	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):	136.8	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]:	10	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	100	LED current [mA]:	20
CRI (minimum):	90	Control:	PWM
Colour temperature [K]:	3500		

Polar

Imax=89 cd   C5-185

180°
90°   90°

90

0°

CIE
nL 1.00
48-80-96-96-100
UGR 25.3-24.4
DIN
A.41
UTE
0.96E+0.04T
F"1=482
F"1+F"2=804
F"1+F"2+F"3=959

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

QC	A	G	1.15	2000	1000	500		<=300		
	B		1.50		2000	1000	750	500	<=300	
	C		1.85			2000		1000	500	<=300

C0-180 ———————
C90-270 -------------
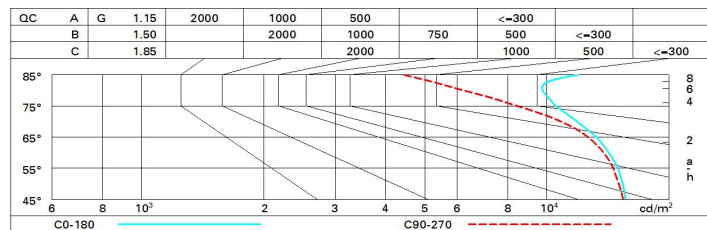
UGR diagram

Corrected UGR values (at 260 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					viewed		
x	y			crosswise					endwise		
2H	2H	21.9	23.0	22.2	23.3	23.6	21.8	22.9	22.2	23.2	23.6
	3H	23.2	24.2	23.6	24.6	25.0	22.2	23.2	22.7	23.6	24.0
	4H	23.7	24.6	24.1	25.0	25.4	22.4	23.3	22.8	23.7	24.1
	6H	24.1	24.9	24.5	25.3	25.8	22.4	23.3	22.9	23.7	24.1
	8H	24.2	25.1	24.7	25.5	25.9	22.4	23.3	22.9	23.7	24.1
	12H	24.4	25.2	24.8	25.6	26.1	22.4	23.2	22.9	23.6	24.1
4H	2H	22.4	23.4	22.9	23.7	24.2	23.4	24.3	23.8	24.7	25.1
	3H	24.0	24.8	24.4	25.2	25.6	24.0	24.8	24.4	25.2	25.6
	4H	24.6	25.3	25.0	25.7	26.2	24.2	24.9	24.7	25.4	25.9
	6H	25.1	25.7	25.6	26.1	26.7	24.4	25.0	24.9	25.5	26.0
	8H	25.3	25.8	25.8	26.3	26.8	24.4	25.0	25.0	25.5	26.0
	12H	25.5	26.0	26.0	26.5	27.0	24.4	25.0	25.0	25.5	26.0
8H	4H	24.7	25.3	25.3	25.8	26.3	24.6	25.1	25.1	25.6	26.1
	6H	25.4	25.8	25.9	26.4	26.9	24.8	25.3	25.4	25.8	26.4
	8H	25.7	26.1	26.2	26.6	27.2	25.0	25.4	25.5	25.9	26.5
	12H	26.0	26.3	26.6	26.9	27.5	25.1	25.4	25.6	26.0	26.6
12H	4H	24.7	25.2	25.3	25.8	26.3	24.6	25.1	25.1	25.6	26.2
	6H	25.4	25.8	26.0	26.4	26.9	24.9	25.3	25.4	25.8	26.4
	8H	25.8	26.1	26.3	26.7	27.3	25.0	25.4	25.6	25.9	26.6

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	0.5 / -0.7	0.6 / -0.8