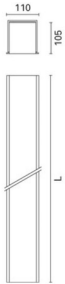


Q424: Frame Continuous Line ModuleDown Office / Working UGR < 19L 898
Q445.12: Plate - Down Office / Working UGR < 19 - Neutral LED - L 896 - 12.5W 1440lm - 4000K - Aluminium



Complies with EN60598-1 and pertinent regulations

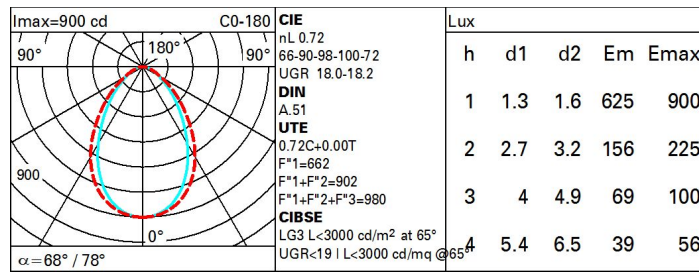


Complies with EN60598-1 and pertinent regulations



Im system:	1440	Colour temperature [K]:	4000
W system:	12.5	MacAdam Step:	3
Im source:	2000	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W source:	10	Voltage [Vin]:	230
Luminous efficiency (lm/W, real value):	115.2	Lamp code:	LED
Im in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	0	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	72	Number of optical assemblies:	1
CRI (minimum):	80		

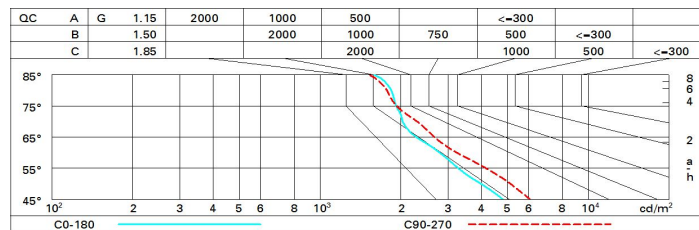
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	54	47	43	40	47	43	42	38	53
1.0	58	52	48	45	51	48	47	43	60
1.5	64	60	56	53	59	56	55	51	71
2.0	68	64	61	59	63	61	60	56	78
2.5	70	67	65	63	66	64	63	60	83
3.0	71	69	67	65	68	66	65	62	86
4.0	73	71	70	68	70	68	67	64	89
5.0	74	72	71	70	71	70	69	66	91

Luminance curve limit



UGR diagram

Corrected UGR values (at 2000 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	15.7	16.7	16.0	16.9	17.2	16.8	17.8	17.1	18.0	18.3
	3H	16.4	17.3	16.7	17.6	17.9	17.0	17.9	17.3	18.1	18.4
	4H	16.7	17.6	17.1	17.9	18.2	17.0	17.8	17.4	18.1	18.5
	6H	17.0	17.8	17.4	18.1	18.5	17.0	17.8	17.4	18.1	18.4
	8H	17.1	17.9	17.5	18.2	18.6	17.0	17.7	17.4	18.0	18.4
	12H	17.2	17.9	17.6	18.2	18.6	16.9	17.6	17.3	18.0	18.4
4H	2H	16.1	16.9	16.4	17.2	17.5	17.6	18.5	18.0	18.8	19.1
	3H	17.0	17.7	17.4	18.0	18.4	18.0	18.7	18.4	19.1	19.4
	4H	17.4	18.0	17.8	18.4	18.8	18.1	18.8	18.6	19.1	19.5
	6H	17.8	18.4	18.2	18.8	19.2	18.2	18.8	18.7	19.2	19.6
	8H	18.0	18.5	18.4	18.9	19.3	18.2	18.7	18.7	19.2	19.6
	12H	18.1	18.5	18.5	18.9	19.4	18.2	18.7	18.7	19.1	19.6
8H	4H	17.6	18.1	18.0	18.5	18.9	18.5	19.0	19.0	19.5	19.9
	6H	18.1	18.5	18.6	19.0	19.4	18.8	19.2	19.2	19.6	20.1
	8H	18.3	18.7	18.8	19.2	19.7	18.8	19.2	19.3	19.7	20.2
	12H	18.5	18.8	19.0	19.3	19.8	18.9	19.2	19.4	19.7	20.2
12H	4H	17.6	18.0	18.0	18.4	18.9	18.6	19.1	19.1	19.5	20.0
	6H	18.1	18.5	18.6	19.0	19.5	18.8	19.2	19.3	19.7	20.2
	8H	18.4	18.7	18.9	19.2	19.7	19.0	19.3	19.5	19.8	20.3
Variations with the observer position at spacing:											
S =		1.0H	0.4 / -0.5		0.3 / -0.4						
		1.5H	0.5 / -1.0		0.7 / -1.2						
		2.0H	1.1 / -1.4		1.6 / -1.6						