iN90

Last information update: May 2024

Product configuration: M434+M493.01+L042
M434: Minimal version extruded aluminium initial profile
M493.01: Folded sheet steel lamp holder plate - White

Product code
M434: Minimal version extruded aluminium initial profile **Attention! Code no longer in production**

Technical description
Minimal version extruded aluminium initial profile complete with direct joints; methacrylate opal screen set up for connecting several lengths by overlapping; set up for housing a wired plate 28/54W T16.

Installation
Fitted in continuous rows. Installation can be recessed, wall-mounted, ceiling-mounted and pendant using suitable accessories

Colour	**Weight (Kg)**
White (01) | Aluminium (12)	3.22

Mounting
ceiling recessed|ceiling surface|ceiling pendant

Wiring
Initial profiles are supplied with 7-pole pass-through wiring for continuous rows. Quick coupling terminal blocks for easier luminaire installation

Notes
Order composition and continuous row configuration can be found in the catalogue. Wiring, plates, end cap sets and fixing accessories must be ordered separately.

Complies with EN60598-1 and pertinent regulations

850°C

Product code
M493.01: Folded sheet steel lamp holder plate - White **Attention! Code no longer in production**

Technical description
Folded sheet steel lamp holder plate with wiring set up for overlapping of 2 T16 tubular lamps.

Colour
White (01)

Mounting
ceiling recessed|ceiling surface|ceiling pendant

Wiring
Electronic multiwatt DALI 2x28W T16

Notes
Order composition and continuous row configuration can be found in the catalogue. Wiring, plates, end cap sets and fixing accessories must be ordered separately.For information on wattage of recessed applications please refer to the instructions sheet
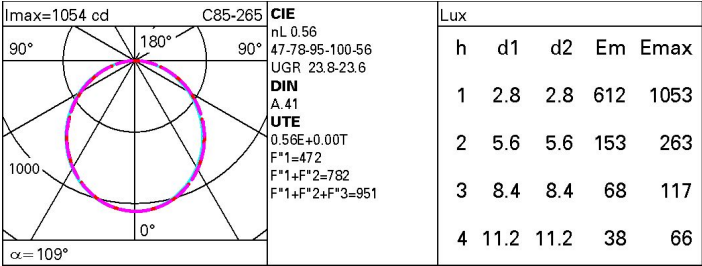
Complies with EN60598-1 and pertinent regulations

CE 03 CCC pending

Technical data

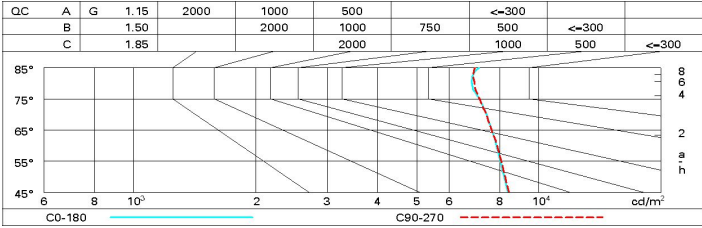|			
lm system:	2937	CRI:	86
W system:	64	Colour temperature [K]:	4000
lm source:	2600	Voltage [Vin]:	230
W source:	28	Lamp code:	L042
Luminous efficiency (lm/W, real value):	45.9	Socket:	G5
lm in emergency mode:	-	Number of lamps for optical assembly:	2
Total light flux at or above an angle of 90° [Lm]:	0	ZVEI Code:	T 16
Light Output Ratio (L.O.R.) [%]:	56	Number of optical assemblies:	1

Polar

Imax=1054 cd		C85-265

90° | 180° | 90°

α=109°

0°

1000

CIE
nL 0.56
47-78-95-100-56
UGR 23.8-23.6
DIN
A.41
UTE
0.56E+0.00T
F"1=472
F"1+F"2=782
F"1+F"2+F"3=951

Lux				
h	d1	d2	Em	Emax
1	2.8	2.8	612	1053
2	5.6	5.6	153	263
3	8.4	8.4	68	117
4	11.2	11.2	38	66

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	37	31	27	24	30	26	26	22	39
1.0	41	35	31	28	34	30	30	26	46
1.5	47	42	38	35	41	38	37	33	59
2.0	50	46	43	41	45	42	42	38	68
2.5	52	49	46	44	48	45	45	41	73
3.0	54	51	49	46	50	48	47	44	78
4.0	55	53	51	50	52	50	49	47	83
5.0	56	55	53	52	53	52	51	48	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

85°
75°
65°
55°
45°

8
6
4

2

a
h

6 8 10³ 2 3 4 5 6 8 10⁴ cd/m²

C0-180 _____ C90-270 - - - - - - -

UGR diagram

Corrected UGR values (at 5200 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	19.7	20.9	20.0	21.2	21.4	20.0	21.2	20.3	21.4	21.7
	3H	21.3	22.4	21.7	22.7	23.0	20.5	21.5	20.8	21.8	22.1
	4H	21.9	22.9	22.3	23.2	23.6	20.7	21.7	21.0	22.0	22.3
	6H	22.4	23.3	22.8	23.7	24.0	20.8	21.7	21.1	22.0	22.4
	8H	22.6	23.5	23.0	23.8	24.2	20.8	21.7	21.2	22.0	22.4
	12H	22.7	23.6	23.1	23.9	24.3	20.8	21.6	21.2	22.0	22.3
4H	2H	20.4	21.4	20.8	21.7	22.1	22.3	23.3	22.7	23.6	23.9
	3H	22.2	23.0	22.6	23.4	23.8	23.0	23.8	23.4	24.2	24.6
	4H	22.9	23.7	23.4	24.1	24.5	23.3	24.1	23.7	24.4	24.9
	6H	23.5	24.2	24.0	24.6	25.0	23.6	24.2	24.0	24.6	25.1
	8H	23.8	24.4	24.2	24.8	25.2	23.6	24.2	24.1	24.7	25.1
	12H	23.9	24.5	24.4	24.9	25.4	23.6	24.2	24.1	24.6	25.1
8H	4H	23.2	23.9	23.7	24.3	24.7	24.3	24.9	24.7	25.3	25.8
	6H	24.0	24.5	24.5	25.0	25.4	24.7	25.2	25.2	25.6	26.1
	8H	24.3	24.7	24.8	25.2	25.7	24.8	25.3	25.3	25.8	26.3
	12H	24.5	24.9	25.0	25.4	25.9	25.0	25.3	25.5	25.8	26.4
12H	4H	23.3	23.8	23.7	24.3	24.7	24.5	25.1	25.0	25.5	26.0
	6H	24.0	24.5	24.5	25.0	25.5	24.9	25.4	25.4	25.9	26.4
	8H	24.4	24.8	24.9	25.3	25.8	25.2	25.5	25.7	26.0	26.6

Variations with the observer position at spacing:

S =				
1.0H	0.1 / -0.1		0.1 / -0.1	
1.5H	0.2 / -0.3		0.2 / -0.3	
2.0H	0.4 / -0.5		0.3 / -0.5	