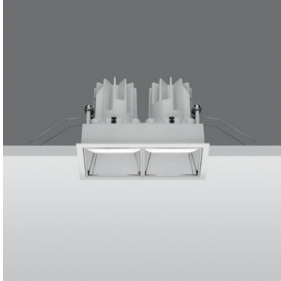


Last information update: August 2023

Product configuration: ML56

ML56: rectangular recessed luminaire with 2 optical assemblies - LED 18W 1200 lm - warm white - CRI (Ra) 80 - integrated dimmable electronic control gear - medium

**Product code**ML56: rectangular recessed luminaire with 2 optical assemblies - LED 18W 1200 lm - warm white - CRI (Ra) 80 - integrated dimmable electronic control gear - medium **Attention! Code no longer in production****Technical description**

rectangular recessed luminaire with 2 optical assemblies with fixed optic LED lamps - medium beam angle. Structure with die-cast aluminium outer rim; die-cast aluminium optical units, with radiant upper zone for optimum dissipation of the heat given off by the lamps. LED optics made of thermoplastic material. Lamps set back for greater visual comfort. Supplied with dimmable electronic control gear connected to the luminaire. Warm white LED.

Installation

recessed using steel springs which allow easy installation in false ceilings with thickness from 1 mm to 25 mm

Colour

White (01) | Grey (15)

Mounting

wall recessed|ceiling recessed

Wiring

on control gear box; screw connections with terminal block included. Possibility of dimming with potentiometer.

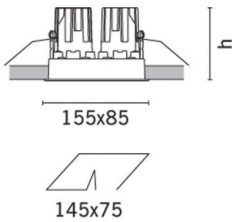
Notes

the use of reflectors with soft-lens accessories (MWL5) increases the protection rating to IP44

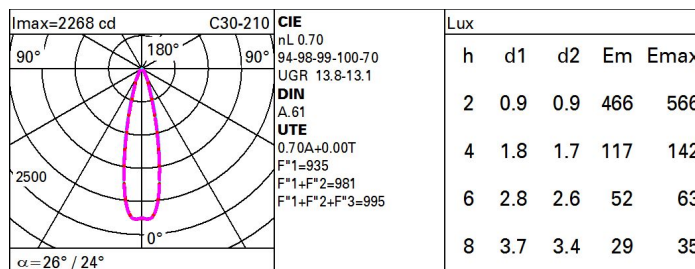
Complies with EN60598-1 and pertinent regulations



IP20

**Technical data**

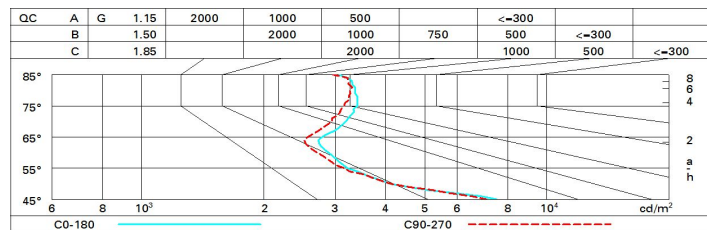
lm system:	1232	CRI (minimum):	85
W system:	22.6	Colour temperature [K]:	3000
lm source:	880	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
W source:	8.5	Ballast losses [W]:	2.8
Luminous efficiency (lm/W, real value):	54.5	Lamp code:	LED
lm in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	0	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	70	Number of optical assemblies:	2
Beam angle [°]:	26° / 24°		

Polar

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	61	57	55	53	57	54	54	52	74
1.0	64	61	58	57	60	58	58	55	79
1.5	68	65	63	62	64	63	62	60	85
2.0	70	68	67	66	67	66	65	63	90
2.5	72	70	69	68	69	68	67	65	93
3.0	73	72	71	70	70	70	69	67	95
4.0	74	73	72	72	72	71	70	68	97
5.0	74	74	73	73	72	72	71	69	99

Luminance curve limit



UGR diagram

Corrected UGR values (at 800 lm bare lamp luminous flux)											
Reflect.: ceiling walls work pl. Room dim x y		viewed crosswise					viewed endwise				
2H	2H	11.9	13.8	12.3	14.1	14.4	11.9	13.7	12.2	14.0	14.4
	3H	12.5	13.9	12.9	14.2	14.6	12.0	13.4	12.3	13.7	14.0
	4H	12.9	14.1	13.3	14.4	14.8	12.0	13.2	12.4	13.5	13.9
	6H	13.3	14.3	13.7	14.7	15.0	12.0	13.0	12.4	13.4	13.7
	8H	13.4	14.5	13.8	14.8	15.2	12.0	13.0	12.4	13.4	13.7
	12H	13.5	14.5	13.9	14.9	15.3	11.9	13.0	12.4	13.3	13.7
4H	2H	12.1	13.3	12.4	13.6	13.9	12.7	13.9	13.1	14.2	14.6
	3H	12.8	13.9	13.2	14.2	14.6	13.0	14.0	13.4	14.4	14.8
	4H	13.4	14.4	13.8	14.8	15.2	13.1	14.2	13.6	14.5	15.0
	6H	13.7	15.2	14.2	15.6	16.1	13.1	14.6	13.6	15.0	15.5
	8H	13.8	15.5	14.3	16.0	16.5	13.1	14.7	13.6	15.2	15.7
	12H	13.9	15.7	14.4	16.2	16.7	13.0	14.8	13.5	15.3	15.8
8H	4H	13.3	14.9	13.7	15.4	15.9	13.6	15.3	14.1	15.8	16.2
	6H	13.9	15.6	14.5	16.0	16.6	13.9	15.5	14.4	16.0	16.5
	8H	14.3	15.7	14.8	16.2	16.7	14.1	15.5	14.6	16.0	16.5
	12H	14.7	15.7	15.2	16.2	16.7	14.3	15.3	14.9	15.8	16.4
12H	4H	13.2	15.0	13.7	15.4	16.0	13.7	15.5	14.2	16.0	16.5
	6H	14.0	15.5	14.5	15.9	16.5	14.1	15.6	14.7	16.1	16.6
	8H	14.5	15.5	15.1	16.0	16.6	14.5	15.5	15.0	16.0	16.5
Variations with the observer position at spacing:											
S =		1.0H				1.0 / -0.9				1.0 / -1.0	
		1.5H				2.1 / -1.2				2.3 / -1.3	
		2.0H				3.4 / -1.3				3.6 / -1.4	