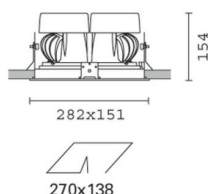


Last information update: May 2024

**Product configuration: ML21+LED**

ML21: rectangular recessed luminaire with 2 optical assemblies - warm white active dissipation - integrated electronic control gear - medium

**Product code**ML21: rectangular recessed luminaire with 2 optical assemblies - warm white active dissipation - integrated electronic control gear - medium **Attention! Code no longer in production****Technical description**

Multiple recessed adjustable removable luminaire for LED lamp with active heat dissipation system. Sheet steel perimeter frame. Main structure and lamp body made of die-cast aluminium. Steel rotation hinges. Chrome-plated aluminium lamp body closing rings. Forced heat dissipation using fans with magnetic anti-friction operation guaranteeing lasting efficiency and quietness, keeping LED lamps performance unchanged. The fans have an anti-dust protection system; safety thermal breaker and are set up for fast, easy replacement. Reflectors with high efficiency super-pure aluminium optic - medium beam angle. Body adjusted using manually operated device: internal 29° - external 75° - rotation about axis 355°. During adjustment and rotation the lamp bodies are subject to some limitations. Consult the instruction sheet. Supplied with electronic control gear units connected to the luminaire. Warm white high efficiency LED.

**Installation**

recessed: preparation slot 138 x 270 mm; perimeter frame preliminary fixing on false ceiling (min. thickness 1 mm) with adjustable metal brackets; main structure inserted and mechanically locked on the frame

**Colour**

White / Aluminium (39) | Grey / Black / Aluminium (E1)

**Mounting**

ceiling recessed

**Wiring**

on control gear box with quick-coupling connections; each lamp body has a specific ballast, allowing separate switch ons

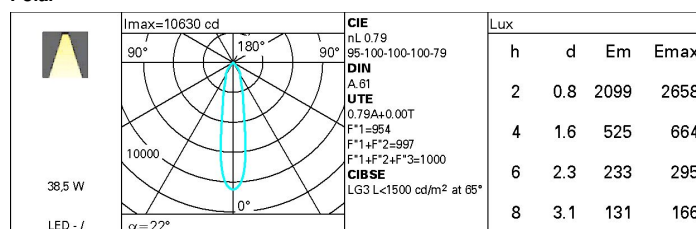
**Notes**

the configuration of the lamp bodies causes some limitations during angling and rotation; consult the instruction leaflet

Complies with EN60598-1 and pertinent regulations

**Technical data**

Im system:	6320	CRI:	80
W system:	77	Colour temperature [K]:	3000
Im source:	4000	MacAdam Step:	3
W source:	34	Life Time LED 1:	50.000h - L80 - B10 (Ta 25°C)
Luminous efficiency (Im/W, real value):	82,1	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.) [%]:	79	Number of optical assemblies:	2
Beam angle [°]:	22°		

**Polar**

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	70	66	63	61	65	62	62	59	75
1.0	73	70	67	65	69	66	66	63	80
1.5	77	75	72	71	74	72	71	68	87
2.0	80	78	76	75	77	75	74	72	91
2.5	81	80	79	78	79	78	77	75	94
3.0	82	81	80	80	80	79	78	76	96
4.0	84	83	82	81	81	81	80	78	98
5.0	84	83	83	83	82	82	80	78	99

Luminance curve limit

