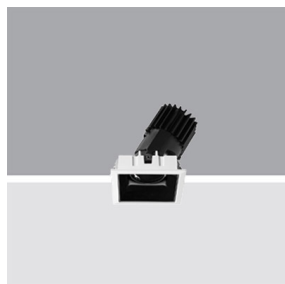


Last information update: August 2020

Product configuration: P723.47+MW78.65

P723.47: Frame Adjustable Recessed Luminaire - Warm White LED - Spot beam - ON-OFF - White/Black

MW78.65: Diffuser Filter - Nitric



Product code

P723.47: Frame Adjustable Recessed Luminaire - Warm White LED - Spot beam - ON-OFF - White/Black

Technical description

Recessed luminaire with adjustable optic for warm white LED with high colour rendering index. Passive cooling system. Adjustable body can be rotated within the recess to ensure precise lighting and considerably reduced direct glare. 355° internal rotation and max 30° oscillation with continuous friction. Fixed recess structure in die-cast aluminium with perimeter stop frame. The recessed luminaire includes a radiant aluminium element, a steel junction for the optical assembly and a thermoplastic rotation ring. Advanced technology OPTI BEAM LENS provides a fine and well defined beam. External thermoplastic anti-glare screen. Supplied with electronic power supply unit connected to the luminaire.

Installation

Recessed with torsional steel springs - 1 mm minimum thickness of false ceiling - recess opening 76 x 76 mm.

Colour

Black / White (47)

Weight (Kg)

0.53

Mounting

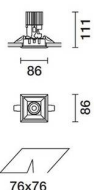
wall recessed|ceiling recessed

Wiring

Quick-fit power supply connection to terminal block.

Notes

Vast range of technical and decorative accessories available; option to install 2 accessories at the same time.



Complies with EN60598-1 and pertinent regulations



On the visible part of the product once installed



Accessory code

MW78.65: Diffuser Filter - Nitric

Technical description

Prismatic glass accessory that softens and diffuses the light beam

Installation

surface-mounted

Colour

Nitric (65)

Weight (Kg)

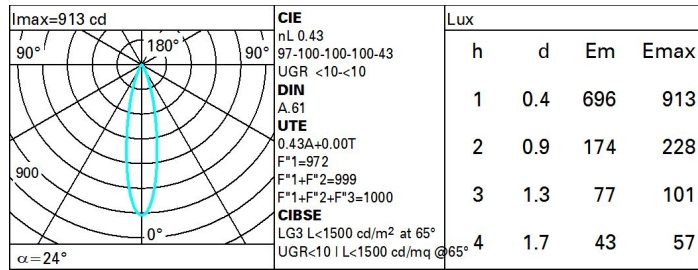
0

Complies with EN60598-1 and pertinent regulations

Technical data

Im system:	232	MacAdam Step:	2
W system:	8.2	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Im source:	540	Ballast losses [W]:	2.1
W source:	6.1	Lamp code:	LED
Luminous efficiency (lm/W, real value):	28.3	Number of lamps for optical assembly:	1
Im in emergency mode:	-	ZVEI Code:	LED
Total light flux at or above an angle of 90° [Lm]:	0	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	43	Power factor:	See installation instructions
Beam angle [°]:	24°	Inrush current:	5 A / 50 µs
CRI:	90	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 31 luminaires B16A: 50 luminaires C10A: 52 luminaires C16A: 85 luminaires
Colour temperature [K]:	3000	Overvoltage protection:	2kV Common mode & 1kV Differential mode

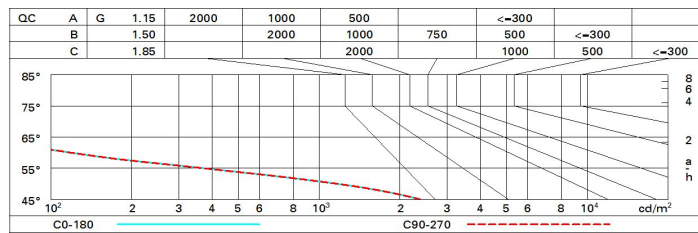
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	38	36	35	34	36	35	34	33	76
1.0	40	38	37	36	38	37	36	35	81
1.5	42	41	40	39	40	39	39	38	87
2.0	44	43	42	41	42	41	41	40	92
2.5	44	44	43	43	43	42	42	41	95
3.0	45	44	44	44	44	43	43	42	97
4.0	46	45	45	45	44	44	44	42	99
5.0	46	46	45	45	45	45	44	43	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 500 lm bare lamp luminous flux)											
Reflect.:		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
ceiling/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	6.4	8.3	6.8	8.6	9.0	6.4	8.3	6.8	8.6	9.0
	3H	6.2	7.7	6.6	8.0	8.4	6.3	7.7	6.6	8.1	8.4
	4H	6.2	7.5	6.6	7.8	8.1	6.2	7.5	6.6	7.8	8.1
	6H	6.1	7.2	6.5	7.5	7.9	6.1	7.2	6.5	7.5	7.9
	8H	6.1	7.1	6.5	7.5	7.8	6.1	7.1	6.5	7.5	7.8
	12H	6.0	7.1	6.4	7.4	7.8	6.0	7.1	6.4	7.4	7.8
4H	2H	6.2	7.5	6.6	7.8	8.1	6.2	7.5	6.6	7.8	8.1
	3H	6.0	7.1	6.4	7.4	7.8	6.0	7.1	6.4	7.4	7.8
	4H	5.9	6.9	6.3	7.3	7.7	5.9	6.9	6.3	7.3	7.7
	6H	5.6	7.1	6.1	7.6	8.1	5.6	7.1	6.1	7.6	8.1
	8H	5.5	7.2	6.0	7.7	8.1	5.5	7.2	6.0	7.7	8.1
	12H	5.4	7.2	5.9	7.6	8.2	5.4	7.2	5.9	7.6	8.2
8H	4H	5.5	7.2	6.0	7.7	8.1	5.5	7.2	6.0	7.7	8.1
	6H	5.3	7.0	5.9	7.5	8.0	5.3	7.0	5.9	7.5	8.0
	8H	5.3	6.8	5.8	7.3	7.8	5.3	6.8	5.8	7.3	7.8
	12H	5.4	6.4	6.0	6.9	7.5	5.4	6.4	6.0	6.9	7.5
12H	4H	5.4	7.2	5.9	7.6	8.2	5.4	7.2	5.9	7.6	8.2
	6H	5.3	6.8	5.8	7.3	7.8	5.3	6.8	5.8	7.3	7.8
	8H	5.4	6.4	6.0	6.9	7.5	5.4	6.4	6.0	6.9	7.5
Variations with the observer position at spacing:											
S =	1.0H	3.8 / -11.2					3.8 / -11.2				
	1.5H	6.4 / -18.8					6.4 / -18.8				
	2.0H	8.4 / -22.2					8.4 / -22.2				