Tecnica

Design Bruno Gecchelin **iGuzzini**

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Product configuration: MN41
MN41: Large body spotlight - Warm white - electronic ballast - flood optic

Product code
MN41: Large body spotlight - Warm white - electronic ballast - flood optic **Attention! Code no longer in production**

Technical description
Adjustable spotlight with adapter for installation on mains electrified track for high output LED lamp with monochrome emission in a warm white colour. Flood optic. Electronic ballast. The luminaire is made of die-cast aluminium and thermoplastic material, and allows 360° rotation about the vertical axis and 90° tilting relative to the horizontal plane. The luminaire has mechanical aiming locks and graduated scales for both movements, operated using the same tool on two screws, one at the side of the rod and one on the adapter for the track. Spotlight equipped with accessory holding ring designed to contain a flat accessory. Another external component can also be applied, selected from an asymmetrical screen, an anti-glare screen and directional flaps. All external accessories rotate 360° about the spotlight longitudinal axis.

Installation
On an electrified track

Colour
Grey / Black (74) | White (01) | Black (04) | Grey (15)

Mounting
three circuit track

Wiring
Electronic components housed in the luminaire.

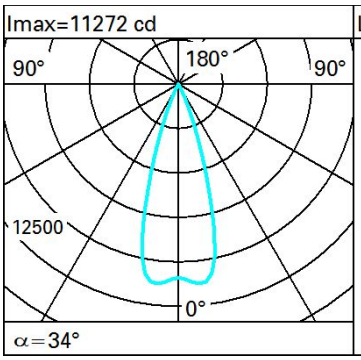
Complies with EN60598-1 and pertinent regulations

850°C IP20

Technical data

lm system:	3439.4	CRI:	90
W system:	63	Colour temperature [K]:	3000
lm source:	4200	MacAdam Step:	3
W source:	55	Life Time LED 1:	50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	54.6	Ballast losses [W]:	8
lm in emergency mode:	-	Lamp code:	LED
Total light flux at or above an angle of 90° [Lm]:	0	Number of lamps for optical assembly:	1
Light Output Ratio (L.O.R.) [%]:	82	ZVEI Code:	LED
Beam angle [°]:	34°	Number of optical assemblies:	1

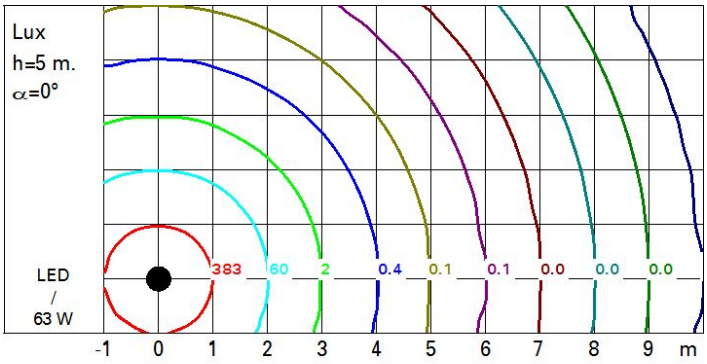
Polar



Lux

h	d	Em	Emax
2	1.2	2371	2772
4	2.4	593	693
6	3.7	263	308
8	4.9	148	173

Isolux



UGR diagram

Photometric curve code: MN150000.Q69
Corrected UGR values (at 4200 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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	4H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	6H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	8H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	12H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4H	2H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	3H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	4H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	6H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	8H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	12H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8H	4H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	6H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	8H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	12H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12H	4H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	6H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	8H	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Variations with the observer position at spacing:

S =	1.0H	4.3 / -4.9	4.3 / -4.9
	1.5H	6.9 / -6.2	6.9 / -6.2
	2.0H	8.8 / -7.4	8.8 / -7.4