

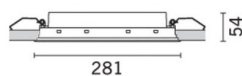
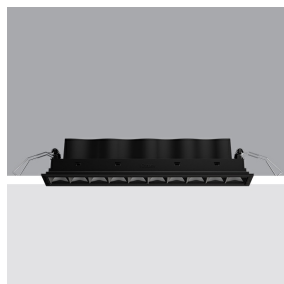
Laser Blade

iGuzzini

Last information update: March 2025

**Product configuration: EJ62.43**  
EJ62.43: 10 - cell Recessed luminaire - LED Neutral white Flood optic - Black/Black

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**Technical description**  
rectangular miniaturised recessed luminaire with 10 optical elements with LED lamps - fixed optics - flood beam angle. Main body with die-cast aluminium radiant surface, version with perimeter surface frame. Metallised thermoplastic high definition optics, integrated in a rear position in the black anti-glare screen; the structure of the optical system prevents a pinpoint effect, allowing precise, circular light distribution and emission with controlled glare . Supplied with DALI dimmable electronic control gear connected to the luminaire. Neutral white LED.

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**Installation**  
recessed with steel wire springs for false ceilings from 1 to 25 mm thick - preparation hole 37 x 274

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<b>Colour</b>	<b>Weight (Kg)</b>
Black / Black (43)	0.65

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**Mounting**  
wall recessed|ceiling recessed

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**Wiring**  
on control gear box with quick-coupling connections

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Complies with EN60598-1 and pertinent regulations



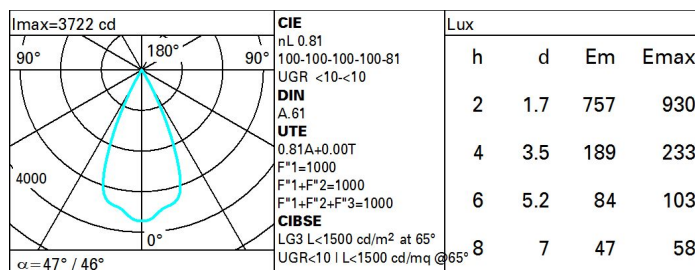
Technical data	
lm system:	1944
W system:	23.2
lm source:	2400
W source:	20
Luminous efficiency (lm/W, real value):	83.8
lm in emergency mode:	-
Total light flux at or above an angle of 90° [Lm]:	0
Light Output Ratio (L.O.R.) [%]:	81
Beam angle [°]:	47° / 46°
CRI (minimum):	90
CRI (typical):	92
Colour temperature [K]:	4000
MacAdam Step:	3
Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Lamp code:	LED
Number of lamps for optical assembly:	1
ZVEI Code:	LED
Number of optical assemblies:	1
Control:	DALI-2

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**Polar**

CIE		Lux			
nL 0.81	100-100-100-100-81	h	d	Em	E <sub>max</sub>
UGR <10<10	DIN A.61	2	1.7	757	930
UTE 0.81A+0.00T	F*1=1000	4	3.5	189	233
F*1+F*2=1000	F*1+F*2+F*3=1000	6	5.2	84	103
CIBSE LG3 L<1500 cd/m² at 65°	UGR<10   L<1500 cd/mq @65°	8	7	47	58

$\alpha = 47^\circ / 46^\circ$



# Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	73	70	67	65	69	66	66	64	78
1.0	76	73	71	69	72	70	70	67	83
1.5	80	78	76	74	77	75	74	72	89
2.0	83	81	79	78	80	78	78	75	93
2.5	84	83	82	81	82	81	80	78	96
3.0	85	84	83	83	83	82	81	79	98
4.0	86	85	85	84	84	84	82	81	99
5.0	87	86	86	86	85	84	83	81	100

# UGR diagram

Corrected UGR values (at 2400 lm bare lamp luminous flux)											
Reflect.:		viewed crosswise					viewed endwise				
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											
x	y										
2H	2H	1.0	1.5	1.3	1.7	2.0	1.0	1.5	1.3	1.7	2.0
	3H	0.9	1.3	1.2	1.6	1.9	0.9	1.3	1.2	1.6	1.9
	4H	0.8	1.2	1.2	1.5	1.8	0.8	1.2	1.1	1.5	1.8
	6H	0.7	1.1	1.1	1.4	1.8	0.7	1.1	1.1	1.4	1.7
	8H	0.7	1.1	1.1	1.4	1.7	0.7	1.1	1.1	1.4	1.7
	12H	0.7	1.0	1.0	1.4	1.7	0.7	1.0	1.0	1.4	1.7
4H	2H	0.8	1.2	1.1	1.5	1.8	0.8	1.2	1.2	1.5	1.8
	3H	0.7	1.0	1.0	1.4	1.7	0.7	1.0	1.0	1.4	1.7
	4H	0.6	0.9	1.0	1.2	1.6	0.6	0.9	1.0	1.2	1.6
	6H	0.5	0.8	0.9	1.2	1.6	0.5	0.8	0.9	1.2	1.6
	8H	0.4	0.7	0.9	1.1	1.5	0.4	0.7	0.9	1.1	1.5
	12H	0.4	0.6	0.8	1.0	1.5	0.4	0.6	0.8	1.0	1.5
8H	4H	0.4	0.7	0.9	1.1	1.5	0.4	0.7	0.9	1.1	1.5
	6H	0.3	0.6	0.8	1.0	1.5	0.4	0.6	0.8	1.0	1.5
	8H	0.3	0.5	0.8	0.9	1.4	0.3	0.5	0.8	0.9	1.4
	12H	0.2	0.4	0.7	0.9	1.4	0.2	0.4	0.7	0.9	1.4
12H	4H	0.4	0.6	0.8	1.0	1.5	0.4	0.6	0.8	1.0	1.5
	6H	0.3	0.5	0.8	0.9	1.4	0.3	0.5	0.8	0.9	1.4
	8H	0.2	0.4	0.7	0.9	1.4	0.2	0.4	0.7	0.9	1.4
Variations with the observer position at spacing:											
S =		1.0H	6.8 / -21.9				6.8 / -21.9				
		1.5H	9.7 / -22.0				9.7 / -22.0				
		2.0H	11.7 / -22.2				11.7 / -22.2				