

Laser Blade XS

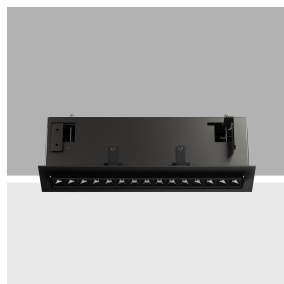
Design iGuzzini

iGuzzini

Last information update: August 2025

Product configuration: PH84.01

PH84.01: Frame adjustable 15-cell recessed luminaire - LED DALI dimmable power supply - Medium - 24.1W 2050lm - 2700K - CRI 90 - White



Product code

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Technical description

Recessed rectangular luminaire with LEDs. Shaped steel sheet structural compartment with outer rim. The 15 lighting cells linear body, in die-cast aluminium, can be used to direct the emission with a tilting adjustability of +/- 30°. 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 luminance. Supplied with DALI dimmable power supply connected to the luminaire.

Installation

recessed with mechanical blocking system for false ceilings from 1 to 25 mm; can be installed on ceilings and walls (vertical + horizontal)

Colour

White (01)

Weight (Kg)

1.28

Mounting

wall recessed/ceiling recessed

Wiring

On power supply box: screw connections.

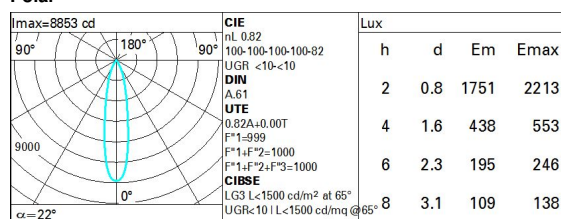
Complies with EN60598-1 and pertinent regulations



Technical data

lm system:	2050	Rf (Colour Fidelity Index):	91
W system:	24.1	Rg (Gamut Index):	102
lm source:	2500	Colour temperature [K]:	2700
W source:	21	MacAdam Step:	3
Luminous efficiency (lm/W, real value):	85.1	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
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 [°]:	22°	Number of optical assemblies:	1
CRI (minimum):	90	Control:	DALI-2

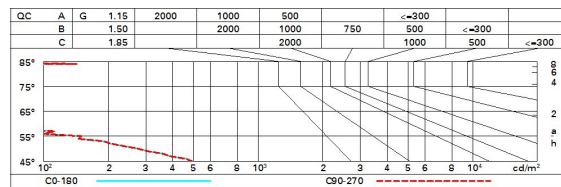
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	74	70	68	66	70	67	67	64	78
1.0	77	74	72	70	73	71	71	68	83
1.5	81	79	77	75	78	76	75	73	89
2.0	84	82	80	79	81	79	78	76	93
2.5	85	84	83	82	83	82	81	79	96
3.0	86	85	84	84	84	83	82	80	98
4.0	87	86	86	85	85	85	83	81	99
5.0	88	87	87	87	86	85	84	82	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 2500 lm bare lamp luminous flux)												
Reflect.:												
ceiling	av	0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30	0.30
walls		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	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	0.20
Room dim		viewed crosswise					viewed endwise					
x	y											
2H	2H	10.9	12.9	11.2	13.2	13.6	10.9	12.9	11.2	13.2	13.6	13.6
	3H	10.7	12.3	11.1	12.6	13.0	10.7	12.3	11.1	12.6	13.0	13.0
	4H	10.6	12.0	11.0	12.3	12.7	10.6	12.0	11.0	12.3	12.7	12.7
	6H	10.6	11.7	11.0	12.1	12.4	10.6	11.7	11.0	12.1	12.4	12.4
	8H	10.5	11.7	10.9	12.0	12.4	10.5	11.7	10.9	12.0	12.4	12.4
	12H	10.5	11.6	10.9	12.0	12.3	10.5	11.6	10.9	12.0	12.3	12.3
4H	2H	10.6	12.0	11.0	12.3	12.7	10.6	12.0	11.0	12.3	12.7	12.7
	3H	10.5	11.6	10.9	12.0	12.3	10.5	11.6	10.9	12.0	12.3	12.3
	4H	10.4	11.4	10.8	11.8	12.2	10.4	11.4	10.8	11.8	12.2	12.2
	6H	10.1	11.7	10.5	12.1	12.6	10.1	11.7	10.5	12.1	12.6	12.6
	8H	9.9	11.7	10.4	12.2	12.7	9.9	11.7	10.4	12.2	12.7	12.7
	12H	9.8	11.7	10.3	12.2	12.7	9.8	11.7	10.3	12.2	12.7	12.7
8H	4H	9.9	11.7	10.4	12.2	12.7	9.9	11.7	10.4	12.2	12.7	12.7
	6H	9.8	11.5	10.3	12.0	12.6	9.8	11.5	10.3	12.0	12.6	12.6
	8H	9.8	11.3	10.3	11.8	12.4	9.8	11.3	10.3	11.8	12.4	12.4
	12H	9.9	10.9	10.5	11.4	11.9	9.9	10.9	10.5	11.4	11.9	11.9
12H	4H	9.8	11.7	10.3	12.2	12.7	9.8	11.7	10.3	12.2	12.7	12.7
	6H	9.8	11.3	10.3	11.8	12.4	9.8	11.3	10.3	11.8	12.4	12.4
	8H	9.9	10.9	10.5	11.4	11.9	9.9	10.9	10.5	11.4	11.9	11.9
Variations with the observer position at spacing:												
S =	1.0H	6.8 / -28.7					6.8 / -28.7					
	1.5H	9.6 / -30.9					9.6 / -30.9					
	2.0H	11.6 / -33.1					11.6 / -33.1					