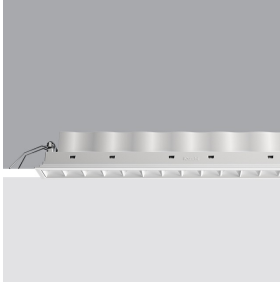


Last information update: March 2025

Product configuration: EK64.01

EK64.01: 15 - cell Recessed luminaire - LED - Neutral white Flood optic - White

**Product code**

EK64.01: 15 - cell Recessed luminaire - LED - Neutral white Flood optic - White

Technical description

rectangular miniaturised recessed luminaire with 15 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.

Installation

recessed with steel wire springs for false ceilings from 1 to 25 mm thick - preparation hole 37 x 406

Colour

White (01)

Weight (Kg)

0.86

Mounting

wall recessed/ceiling recessed

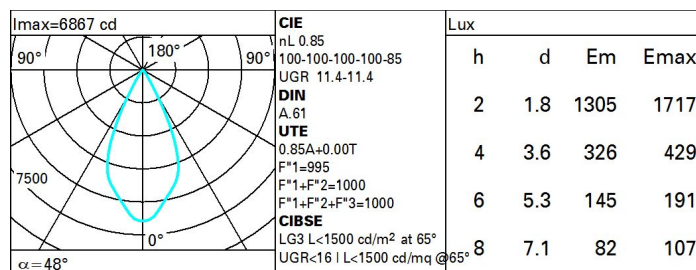
Wiring

on control gear box with quick-coupling connections

Complies with EN60598-1 and pertinent regulations

**Technical data**

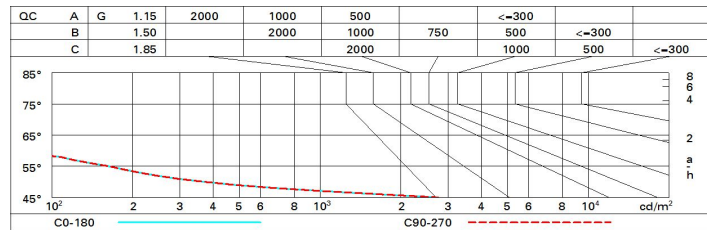
Im system:	3825	CRI (typical):	82
W system:	33.5	Colour temperature [K]:	4000
Im source:	4500	MacAdam Step:	3
W source:	30	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (Im/W, real value):	114.2	Lamp code:	LED
Im in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	0	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	85	Number of optical assemblies:	1
Beam angle [°]:	48°	Control:	DALI-2
CRI (minimum):	80		

Polar

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	77	73	70	68	72	70	69	66	78
1.0	80	77	74	72	76	73	73	70	83
1.5	84	81	79	78	80	79	78	75	88
2.0	87	85	83	82	84	82	81	79	93
2.5	88	87	86	85	86	84	84	81	96
3.0	89	88	87	87	87	86	85	83	98
4.0	90	90	89	88	88	88	86	84	99
5.0	91	90	90	90	89	89	87	85	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 4500 lm bare lamp luminous flux)										
Reflect.:										
ceiling	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										
viewed										
crosswise										
viewed										
endwise										
2H	2H	12.0	12.5	12.3	12.7	13.0	12.0	12.5	12.3	12.7
	3H	11.9	12.3	12.2	12.6	12.9	11.9	12.3	12.2	12.6
	4H	11.8	12.2	12.1	12.5	12.8	11.8	12.2	12.1	12.5
	6H	11.7	12.1	12.0	12.4	12.7	11.7	12.1	12.0	12.4
	8H	11.7	12.1	12.0	12.4	12.7	11.7	12.1	12.0	12.4
	12H	11.6	12.0	12.0	12.3	12.7	11.6	12.0	12.0	12.3
4H	2H	11.8	12.2	12.1	12.5	12.8	11.8	12.2	12.1	12.5
	3H	11.6	12.0	12.0	12.3	12.7	11.6	12.0	12.0	12.3
	4H	11.5	11.9	11.9	12.2	12.6	11.5	11.9	11.9	12.2
	6H	11.4	11.7	11.9	12.1	12.6	11.4	11.7	11.9	12.1
	8H	11.4	11.7	11.8	12.1	12.5	11.4	11.7	11.8	12.1
	12H	11.3	11.6	11.8	12.0	12.5	11.3	11.6	11.8	12.0
8H	4H	11.4	11.7	11.8	12.1	12.5	11.4	11.7	11.8	12.1
	6H	11.3	11.5	11.8	12.0	12.4	11.3	11.5	11.8	12.0
	8H	11.2	11.4	11.7	11.9	12.4	11.2	11.4	11.7	11.9
	12H	11.2	11.4	11.7	11.8	12.4	11.2	11.4	11.7	11.8
12H	4H	11.3	11.6	11.8	12.0	12.5	11.3	11.6	11.8	12.0
	6H	11.2	11.4	11.7	11.9	12.4	11.2	11.4	11.7	11.9
	8H	11.2	11.4	11.7	11.8	12.4	11.2	11.4	11.7	11.8
Variations with the observer position at spacing:										
S =	1.0H		5.9	/	-29.1		5.9	/	-29.1	
	1.5H		8.7	/	-38.7		8.7	/	-38.7	
	2.0H		10.7	/	-48.4		10.7	/	-48.4	