

Laser Blade XS

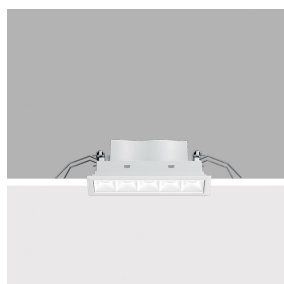
Design iGuzzini

iGuzzini

Last information update: February 2025

Product configuration: EK44

EK44: Frame recessed luminaire - 5 cells - General Lighting Pro - DALI



Product code

EK44: Frame recessed luminaire - 5 cells - General Lighting Pro - DALI

Technical description

Rectangular recessed miniaturised luminaire with 5 optical elements for LED sources - fixed optics with metallised thermoplastic high definition Opti-Beam reflectors, integrated in a set-back position in the anti-glare screen. Main body with die-cast aluminium radiant surface, version with perimeter surface frame. Despite the ultracompact size of the product, the combination of a total white finish and the patented technology of the optic system guarantees an even and efficient luminous flux optimised by a special diffuser screen that reduces direct glare significantly. Supplied with DALI dimmable electronic power supply connected to the luminaire. High efficiency value Neutral White LED (lm/W).

Installation

Recessed with steel wire springs for false ceilings from 1 to 25 mm thick - preparation hole 24 x 96.

Colour

White (01)

Weight (Kg)

0.35

Mounting

wall recessed|ceiling recessed

Wiring

On power supply; quick-coupling connection

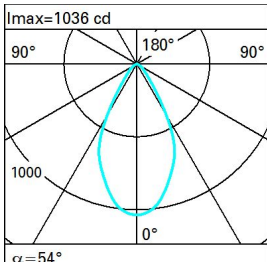
Complies with EN60598-1 and pertinent regulations



Technical data

lm system:	862	Colour temperature [K]:	4000
W system:	12.4	MacAdam Step:	2
lm source:	1250	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
W source:	9.9	Lamp code:	LED
Luminous efficiency (lm/W, real value):	69.6	Number of lamps for optical assembly:	1
lm 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.) [%]:	69	Control:	DALI-2
CRI (minimum):	80		

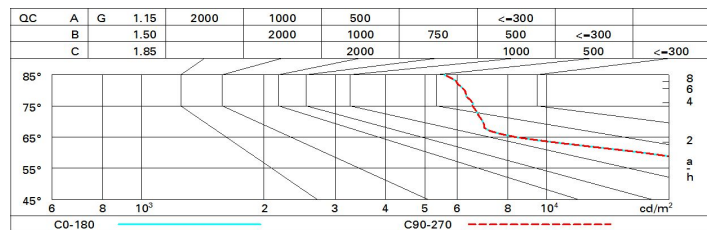
Polar

	CIE nL 0.69 88-98-100-100-69 UGR 21.3-21.2 DIN A.61 UTE 0.69A+0.00T F*1=877 F*1+F*2=981 F*1+F*2+F*3=997			
	Lux			
	h	d	Em	E _{max}
	1	1	768	1036
	2	2	192	259
	3	3.1	85	115
	4	4.1	48	65

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	58	54	51	49	54	51	51	48	69
1.0	62	58	55	53	57	55	54	52	75
1.5	66	63	61	59	62	60	60	57	83
2.0	69	66	65	63	65	64	63	61	88
2.5	70	68	67	66	67	66	65	63	92
3.0	71	70	69	68	69	68	67	65	94
4.0	72	71	70	70	70	69	68	66	96
5.0	73	72	71	71	71	70	69	67	97

Luminance curve limit



UGR diagram

Corrected UGR values (at 1250 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
2H	2H	21.3	21.9	21.6	22.2	22.4	21.3	21.9	21.6	22.2	22.4
	3H	21.3	21.9	21.6	22.1	22.4	21.3	21.9	21.6	22.2	22.4
	4H	21.3	21.8	21.6	22.1	22.4	21.3	21.8	21.6	22.1	22.4
	6H	21.2	21.7	21.6	22.1	22.4	21.2	21.7	21.5	22.0	22.3
	8H	21.2	21.7	21.6	22.0	22.4	21.2	21.6	21.5	22.0	22.3
	12H	21.2	21.7	21.6	22.0	22.4	21.1	21.6	21.5	21.9	22.3
4H	2H	21.3	21.8	21.6	22.1	22.4	21.3	21.8	21.6	22.1	22.4
	3H	21.3	21.7	21.6	22.1	22.4	21.3	21.8	21.7	22.1	22.5
	4H	21.3	21.7	21.7	22.0	22.4	21.3	21.7	21.7	22.0	22.4
	6H	21.3	21.6	21.7	22.0	22.4	21.2	21.6	21.6	22.0	22.4
	8H	21.3	21.6	21.7	22.0	22.4	21.2	21.5	21.6	21.9	22.4
	12H	21.3	21.5	21.7	22.0	22.4	21.1	21.4	21.6	21.9	22.3
8H	4H	21.2	21.5	21.6	21.9	22.4	21.3	21.6	21.7	22.0	22.4
	6H	21.2	21.5	21.7	21.9	22.4	21.3	21.5	21.7	22.0	22.4
	8H	21.2	21.5	21.7	21.9	22.4	21.2	21.5	21.7	21.9	22.4
	12H	21.2	21.4	21.7	21.9	22.4	21.2	21.4	21.7	21.9	22.4
12H	4H	21.1	21.4	21.6	21.9	22.3	21.3	21.5	21.7	22.0	22.4
	6H	21.2	21.4	21.7	21.9	22.4	21.2	21.5	21.7	21.9	22.4
	8H	21.2	21.4	21.7	21.9	22.4	21.2	21.4	21.7	21.9	22.4
Variations with the observer position at spacing:											
S =		1.0H				2.4 / -2.2				2.4 / -2.2	
		1.5H				4.5 / -4.7				4.5 / -4.7	
		2.0H				6.3 / -6.0				6.3 / -6.0	

Laser Blade XS

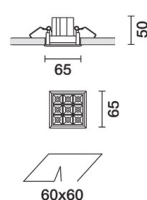
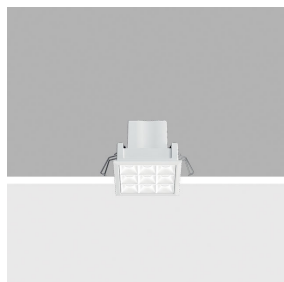
Design iGuzzini

iGuzzini

Last information update: February 2025

Product configuration: EK45

EK45: Frame recessed luminaire - 9 cells - General Lighting Pro - DALI



Product code

EK45: Frame recessed luminaire - 9 cells - General Lighting Pro - DALI

Technical description

Square recessed miniaturised luminaire with 9 optical elements for LED sources - fixed optics with metallised thermoplastic high definition Opti-Beam reflectors, integrated in a set-back position in the anti-glare screen. Main body with die-cast aluminium radiant surface, version with perimeter surface frame. Despite the ultracompact size of the product, the combination of a total white finish and the patented technology of the optic system guarantees an even and efficient luminous flux optimised by a special diffuser screen that reduces direct glare significantly. Supplied with DALI dimmable electronic power supply connected to the luminaire. High efficiency value Neutral White LED (lm/W).

Installation

Recessed with steel wire springs for false ceilings from 1 to 25 mm thick - preparation hole 60 x 60.

Colour

White (01)

Weight (Kg)

0.3

Mounting

wall recessed/ceiling recessed

Wiring

On power supply; quick-coupling connection

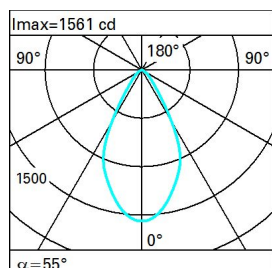
Complies with EN60598-1 and pertinent regulations



Technical data

lm system:	1311	Colour temperature [K]:	4000
W system:	17.8	MacAdam Step:	2
lm source:	1900	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
W source:	15	Lamp code:	LED
Luminous efficiency (lm/W, real value):	73.7	Number of lamps for optical assembly:	1
lm 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.) [%]:	69	Control:	DALI-2
CRI (minimum):	80		

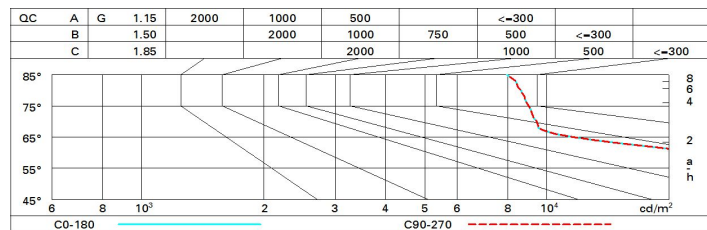
Polar

	CIE nL 0.69 88-98-100-100-69 UGR 22.3-22.3 DIN A.61 UTE 0.69A+0.00T F*1=87.5 F*1+F*2=981 F*1+F*2+F*3=996			
	Lux			
	h	d	Em	E _{max}
	1	1	1137	1560
	2	2.1	284	390
	3	3.1	126	173
	4	4.2	71	98

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	58	54	51	49	53	51	50	48	69
1.0	62	58	55	53	57	55	54	52	75
1.5	66	63	61	59	62	60	60	57	83
2.0	69	66	65	63	65	64	63	61	88
2.5	70	68	67	66	67	66	65	63	92
3.0	71	70	69	68	69	68	67	65	94
4.0	72	71	70	70	70	69	68	66	96
5.0	73	72	71	71	71	70	69	67	97

Luminance curve limit



UGR diagram

Corrected UGR values (at 1900 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
2H	2H	22.4	23.1	22.6	23.3	23.6	22.4	23.1	22.6	23.3	23.6
	3H	22.3	23.0	22.7	23.3	23.5	22.4	23.0	22.7	23.3	23.6
	4H	22.3	22.9	22.7	23.2	23.5	22.3	22.9	22.7	23.2	23.5
	6H	22.3	22.9	22.7	23.2	23.5	22.2	22.8	22.6	23.1	23.5
	8H	22.3	22.8	22.7	23.2	23.5	22.2	22.8	22.6	23.1	23.4
	12H	22.3	22.8	22.7	23.1	23.5	22.2	22.7	22.6	23.0	23.4
4H	2H	22.3	22.9	22.7	23.2	23.5	22.3	22.9	22.7	23.2	23.5
	3H	22.3	22.8	22.7	23.2	23.5	22.4	22.9	22.7	23.2	23.6
	4H	22.3	22.8	22.7	23.1	23.5	22.3	22.8	22.7	23.1	23.5
	6H	22.3	22.7	22.8	23.1	23.6	22.3	22.7	22.7	23.1	23.5
	8H	22.3	22.7	22.8	23.1	23.6	22.3	22.6	22.7	23.0	23.5
	12H	22.3	22.7	22.8	23.1	23.5	22.2	22.5	22.7	23.0	23.4
8H	4H	22.3	22.6	22.7	23.0	23.5	22.3	22.7	22.8	23.1	23.6
	6H	22.3	22.6	22.8	23.0	23.5	22.3	22.6	22.8	23.1	23.6
	8H	22.3	22.6	22.8	23.0	23.5	22.3	22.6	22.8	23.0	23.5
	12H	22.3	22.5	22.8	23.0	23.6	22.3	22.5	22.8	23.0	23.5
12H	4H	22.2	22.5	22.7	23.0	23.4	22.3	22.7	22.8	23.1	23.5
	6H	22.3	22.5	22.8	23.0	23.5	22.3	22.6	22.8	23.1	23.6
	8H	22.3	22.5	22.8	23.0	23.5	22.3	22.5	22.8	23.0	23.6
Variations with the observer position at spacing:											
S =		1.0H					2.3 / -2.1				
		1.5H					4.4 / -4.5				
		2.0H					6.2 / -5.8				

Laser Blade XS

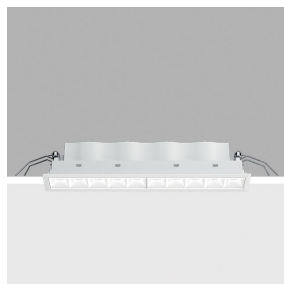
Design iGuzzini

iGuzzini

Last information update: February 2025

Product configuration: EK46

EK46: Frame recessed luminaire - 10 cells - General Lighting Pro - DALI



Product code

EK46: Frame recessed luminaire - 10 cells - General Lighting Pro - DALI

Technical description

Rectangular recessed miniaturised luminaire with 10 optical elements for LED sources - fixed optics with metallised thermoplastic high definition Opti-Beam reflectors, integrated in a set-back position in the anti-glare screen. Main body with die-cast aluminium radiant surface, version with perimeter surface frame. Despite the ultracompact size of the product, the combination of a total white finish and the patented technology of the optic system guarantees an even and efficient luminous flux optimised by a special diffuser screen that reduces direct glare significantly. Supplied with DALI dimmable electronic power supply connected to the luminaire. High efficiency value Neutral White LED (lm/W).

Installation

Recessed with steel wire springs for false ceilings from 1 to 25 mm thick - preparation hole 24 x 186.

Colour

White (01)

Weight (Kg)

0.55

Mounting

wall recessed|ceiling recessed

Wiring

On power supply; quick-coupling connection

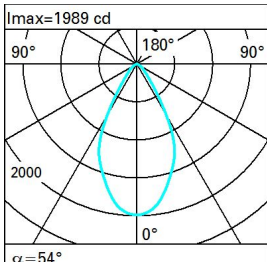
Complies with EN60598-1 and pertinent regulations



Technical data

lm system:	1656	Colour temperature [K]:	4000
W system:	23.1	MacAdam Step:	2
lm source:	2400	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
W source:	20	Lamp code:	LED
Luminous efficiency (lm/W, real value):	71.7	Number of lamps for optical assembly:	1
lm 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.) [%]:	69	Control:	DALI-2
CRI (minimum):	80		

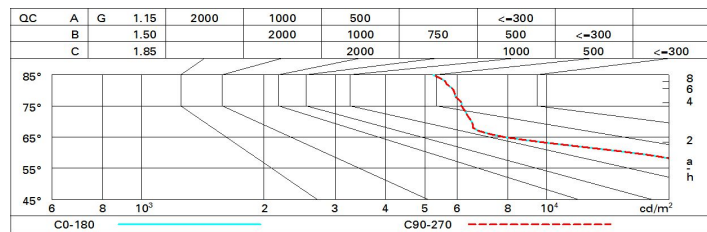
Polar

	CIE nL 0.69 88-98-100-100-69 UGR 21.1-21.0 DIN A.61 UTE 0.69A+0.00T F*1=877 F*1+F*2=981 F*1+F*2+F*3=997			
	Lux			
	h	d	Em	E _{max}
	2	2	369	497
	4	4.1	92	124
	6	6.1	41	55
	8	8.2	23	31

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	58	54	51	49	54	51	51	48	69
1.0	62	58	55	53	57	55	54	52	75
1.5	66	63	61	59	62	60	60	57	83
2.0	69	66	65	63	65	64	63	61	88
2.5	70	68	67	66	67	66	65	63	92
3.0	71	70	69	68	69	68	67	65	94
4.0	72	71	70	70	70	69	68	66	96
5.0	73	72	71	71	71	70	69	67	97

Luminance curve limit



UGR diagram

Corrected UGR values (at 2400 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
2H	2H	21.1	21.7	21.4	22.0	22.2	21.1	21.7	21.4	22.0	22.2
	3H	21.1	21.6	21.4	21.9	22.2	21.1	21.7	21.4	21.9	22.2
	4H	21.0	21.6	21.4	21.9	22.2	21.0	21.6	21.4	21.9	22.2
	6H	21.0	21.5	21.4	21.8	22.2	21.0	21.5	21.3	21.8	22.1
	8H	21.0	21.5	21.4	21.8	22.2	20.9	21.4	21.3	21.7	22.1
	12H	21.0	21.5	21.4	21.8	22.1	20.9	21.4	21.3	21.7	22.1
4H	2H	21.0	21.6	21.4	21.9	22.2	21.0	21.6	21.4	21.9	22.2
	3H	21.0	21.5	21.4	21.8	22.2	21.1	21.5	21.5	21.9	22.2
	4H	21.0	21.4	21.4	21.8	22.2	21.0	21.4	21.4	21.8	22.2
	6H	21.1	21.4	21.5	21.8	22.2	21.0	21.4	21.4	21.7	22.2
	8H	21.1	21.4	21.5	21.8	22.2	21.0	21.3	21.4	21.7	22.1
	12H	21.0	21.3	21.5	21.8	22.2	20.9	21.2	21.4	21.7	22.1
8H	4H	21.0	21.3	21.4	21.7	22.1	21.1	21.4	21.5	21.8	22.2
	6H	21.0	21.3	21.5	21.7	22.2	21.0	21.3	21.5	21.7	22.2
	8H	21.0	21.2	21.5	21.7	22.2	21.0	21.2	21.5	21.7	22.2
	12H	21.0	21.2	21.5	21.7	22.2	21.0	21.2	21.5	21.7	22.2
12H	4H	20.9	21.2	21.4	21.7	22.1	21.0	21.3	21.5	21.8	22.2
	6H	21.0	21.2	21.5	21.7	22.2	21.0	21.3	21.5	21.7	22.2
	8H	21.0	21.2	21.5	21.7	22.2	21.0	21.2	21.5	21.7	22.2
Variations with the observer position at spacing:											
S =		1.0H				2.4 / -2.2				2.4 / -2.2	
		1.5H				4.5 / -4.7				4.5 / -4.7	
		2.0H				6.3 / -6.0				6.3 / -6.0	

Laser Blade XS

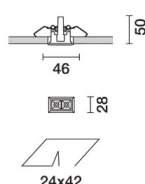
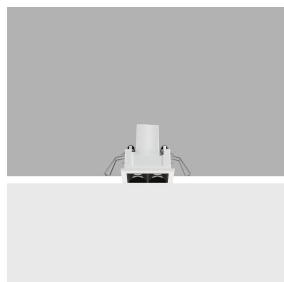
Design iGuzzini

iGuzzini

Last information update: December 2024

Product configuration: Q465

Q465: Frame 2 cells - Flood beam - LED



Product code

Q465: Frame 2 cells - Flood beam - LED

Technical description

Linear miniaturised recessed luminaire with 2 optical elements for LED lamps - fixed optics. Despite the ultracompact size of the product, the patented technology of the optic system guarantees an efficient flow and a high level of controlled glare visual comfort. Main body with die-cast zamak radiant surface, version with perimeter surface frame. Metallised, thermoplastic, high definition Opti Beam reflectors, integrated in a set-back position in the anti-glare screen. Ballast not included, available with separate code.

Installation

Recessed with steel wire springs for false ceilings from 1 to 25 mm thick - preparation hole 24 x 42.

Colour

White (01) | Black / Black (43) | Black / White (47) | White/Gold (41)* | Grey / Black (74)* | White / burnished chrome (E7)*

Weight (Kg)

0.11

* Colours on request

Mounting

wall recessed|ceiling recessed

Wiring

Direct current ballasts to be ordered separately: ON-OFF - code no. MXF9 (min 1 / max 4); dimmable DALI - code no. BZM4 (min 1 / max 10) - check the instruction sheet for the lengths and compatible cross-sections of the cables to be used.

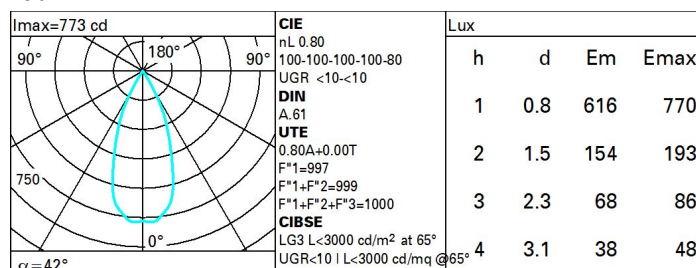
Complies with EN60598-1 and pertinent regulations



Technical data

Im system:	368	CRI (minimum):	90
W system:	4	Colour temperature [K]:	4000
Im source:	460	MacAdam Step:	2
W source:	4	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (Im/W, real value):	92	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.) [%]:	80	Number of optical assemblies:	1
Beam angle [°]:	42°	LED current [mA]:	700

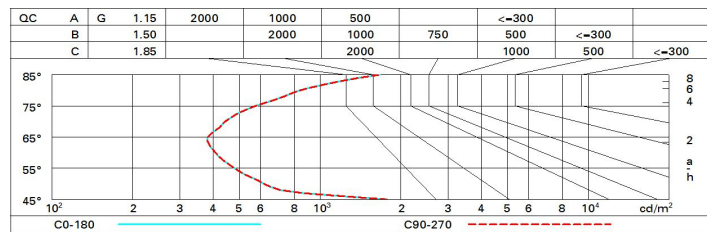
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	72	69	66	64	68	66	65	63	78
1.0	75	72	70	68	71	69	69	66	83
1.5	79	77	75	73	76	74	73	71	89
2.0	82	80	78	77	79	77	76	74	93
2.5	83	82	81	80	81	80	79	77	96
3.0	84	83	82	82	82	81	80	78	98
4.0	85	84	84	83	83	83	81	79	99
5.0	86	85	85	84	84	83	82	80	100

Luminance curve limit

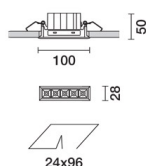


UGR diagram

Corrected UGR values (at 400 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
2H	2H	8.8	9.2	9.0	9.5	9.7	8.8	9.2	9.0	9.5	9.7
	3H	8.6	9.1	8.9	9.3	9.6	8.6	9.1	8.9	9.3	9.6
	4H	8.6	9.0	8.9	9.3	9.6	8.6	9.0	8.9	9.3	9.6
	6H	8.5	8.9	8.9	9.2	9.5	8.5	8.9	8.8	9.2	9.5
	8H	8.5	8.9	8.9	9.2	9.5	8.5	8.8	8.8	9.1	9.5
	12H	8.5	8.8	8.9	9.2	9.5	8.4	8.8	8.8	9.1	9.4
4H	2H	8.6	9.0	8.9	9.3	9.6	8.6	9.0	8.9	9.3	9.6
	3H	8.4	8.8	8.8	9.1	9.5	8.4	8.8	8.8	9.1	9.5
	4H	8.3	8.7	8.7	9.0	9.4	8.3	8.7	8.7	9.0	9.4
	6H	8.3	8.6	8.7	9.0	9.4	8.3	8.5	8.7	8.9	9.4
	8H	8.3	8.5	8.7	8.9	9.4	8.2	8.5	8.7	8.9	9.3
	12H	8.3	8.5	8.7	8.9	9.4	8.2	8.4	8.6	8.8	9.3
8H	4H	8.2	8.5	8.7	8.9	9.3	8.3	8.5	8.7	8.9	9.4
	6H	8.2	8.4	8.6	8.8	9.3	8.2	8.4	8.7	8.9	9.3
	8H	8.2	8.3	8.7	8.8	9.3	8.2	8.3	8.7	8.8	9.3
	12H	8.2	8.4	8.7	8.8	9.4	8.1	8.3	8.6	8.8	9.3
12H	4H	8.2	8.4	8.6	8.8	9.3	8.3	8.5	8.7	8.9	9.4
	6H	8.1	8.3	8.6	8.8	9.3	8.2	8.4	8.7	8.9	9.4
	8H	8.1	8.3	8.6	8.8	9.3	8.2	8.4	8.7	8.8	9.4
Variations with the observer position at spacing:											
S =	1.0H	6.7 / -8.9					6.7 / -8.9				
	1.5H	9.5 / -9.1					9.5 / -9.1				
	2.0H	11.5 / -9.3					11.5 / -9.3				

Design iGuzzini iGuzzini

Product configuration: Q493
Q493: Frame 5 cells - Flood beam - LED



Q493: Frame 5 cells - Flood beam - LED

Linear miniaturised recessed luminaire with 5 optical elements for LED lamps - fixed optics. Despite the ultracompact size of the product, the patented technology of the optic system guarantees an efficient flow and a high level of controlled glare visual comfort. Main body with die-cast aluminium radiant surface, version with perimeter surface frame. Metallised, thermoplastic, high definition Opti Beam reflectors, integrated in a set-back position in the anti-glare screen. Supplied with DALI power supply unit connected to the luminaire.

Recessed with steel wire springs for false ceilings from 1 to 25 mm thick - preparation hole 24 x 96.

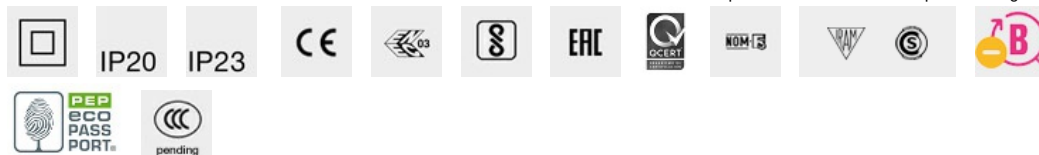
Weight (Kg)
0.35

* Colours on request

wall recessed|ceiling recessed

On the power supply unit with terminal board included.

Complies with EN60598-1 and pertinent regulations



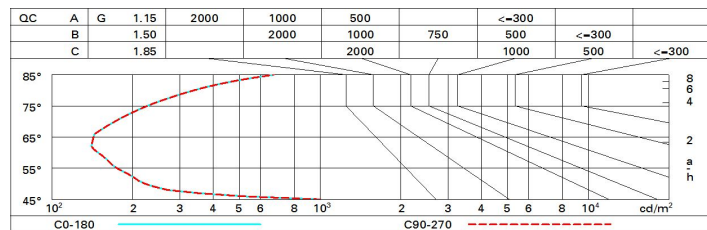
Im system:	955	Colour temperature [K]:	4000
W system:	12.4	MacAdam Step:	2
Im source:	1150	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
W source:	9.9	Voltage [Vin]:	230
Luminous efficiency (lm/W, 77 real value):		Lamp code:	LED
Im in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	0	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	83	Number of optical assemblies:	1
Beam angle [°]:	43°	Control:	DALI-2
CRI (minimum):	90		

		CIE nL 0.83 100-100-100-100-83 UGR <10<10 DIN A.61 UTE 0.83A+0.00T F*1=999 F*1+F*2=1000 F*1+F*2+F*3=1000 CIBSE LG3 L<1500 cd/m² at 65° UGR<10 L<1500 cd/mq @65°		Lux			
				h	d	Em	Emax
				2	1.5	399	487
				4	3.1	100	122
				6	4.6	44	54
$\alpha=42^\circ$				8	6.1	25	30

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	75	71	68	66	70	68	68	65	78
1.0	78	75	72	70	74	72	71	69	83
1.5	82	80	77	76	79	77	76	74	89
2.0	85	83	81	80	82	80	79	77	93
2.5	86	85	84	83	84	83	82	79	96
3.0	87	86	85	85	85	84	83	81	98
4.0	88	87	87	86	86	86	84	82	99
5.0	89	88	88	88	87	87	85	83	100

Luminance curve limit



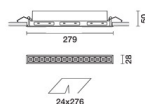
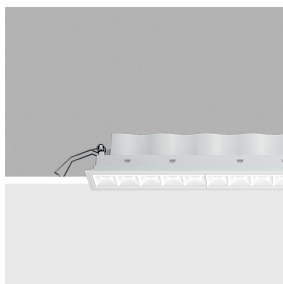
UGR diagram

Corrected UGR values (at 1150 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
2H	2H	8.0	8.5	8.3	8.7	9.0	8.0	8.5	8.3	8.7	9.0
	3H	7.9	8.3	8.2	8.6	8.9	7.9	8.3	8.2	8.6	8.9
	4H	7.8	8.2	8.2	8.5	8.8	7.8	8.2	8.2	8.5	8.8
	6H	7.8	8.1	8.1	8.4	8.8	7.8	8.1	8.1	8.4	8.8
	8H	7.7	8.1	8.1	8.4	8.7	7.7	8.1	8.1	8.4	8.7
	12H	7.7	8.0	8.1	8.4	8.7	7.7	8.0	8.1	8.4	8.7
4H	2H	7.8	8.2	8.2	8.5	8.8	7.8	8.2	8.2	8.5	8.8
	3H	7.7	8.0	8.1	8.4	8.7	7.7	8.0	8.1	8.4	8.7
	4H	7.6	7.9	8.0	8.3	8.7	7.6	7.9	8.0	8.3	8.7
	6H	7.5	7.8	7.9	8.2	8.6	7.5	7.8	7.9	8.2	8.6
	8H	7.5	7.7	7.9	8.1	8.6	7.5	7.7	7.9	8.1	8.6
	12H	7.4	7.7	7.9	8.1	8.5	7.4	7.6	7.9	8.1	8.5
8H	4H	7.5	7.7	7.9	8.1	8.6	7.5	7.7	7.9	8.1	8.6
	6H	7.4	7.6	7.8	8.0	8.5	7.4	7.6	7.8	8.0	8.5
	8H	7.3	7.5	7.8	8.0	8.5	7.3	7.5	7.8	8.0	8.5
	12H	7.3	7.4	7.8	7.9	8.4	7.3	7.4	7.8	7.9	8.4
12H	4H	7.4	7.6	7.9	8.1	8.5	7.4	7.7	7.9	8.1	8.5
	6H	7.3	7.5	7.8	8.0	8.5	7.3	7.5	7.8	8.0	8.5
	8H	7.3	7.4	7.8	7.9	8.4	7.3	7.4	7.8	7.9	8.4
Variations with the observer position at spacing:											
S =	1.0H	7.0 / -14.5					7.0 / -14.5				
	1.5H	9.8 / -14.7					9.8 / -14.7				
	2.0H	11.8 / -14.8					11.8 / -14.8				

iGuzzini

Product configuration: Q957

Q957: Frame recessed luminaire - 15 cells - General Lighting Pro - DALI



Product code

Q957: Frame recessed luminaire - 15 cells - General Lighting Pro - DALI

Technical description

Rectangular recessed miniaturised luminaire with 15 optical elements for LED sources - fixed optics with metallised thermoplastic high definition Opti-Beam reflectors, integrated in a set-back position in the anti-glare screen. Main body with die-cast aluminium radiant surface, version with perimeter surface frame. Despite the ultracompact size of the product, the combination of a total white finish and the patented technology of the optic system guarantees an even and efficient luminous flux optimised by a special diffuser screen that reduces direct glare significantly. Supplied with DALI dimmable electronic power supply connected to the luminaire.

Installation

Recessed with steel wire springs for false ceilings from 1 to 25 mm thick - preparation hole 24 x 276.

Colour
White (01)

Weight (Kg)
0.75

Mounting

mounting
wall recessed/ceiling recessed

Wiring

On power supply; quick-coupling connection

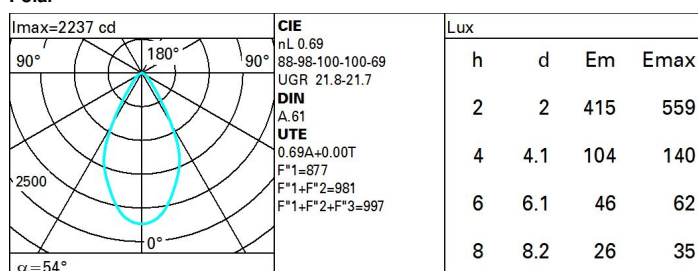
Complies with EN60598-1 and pertinent regulations



Technical data

Im system:	1863	Colour temperature [K]:	3000
W system:	33.8	MacAdam Step:	2
Im source:	2700	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
W source:	30	Lamp code:	LED
Luminous efficiency (Im/W, real value):	55.1	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.) [%]:	69	Control:	DALI-2
CRI (minimum):	90		

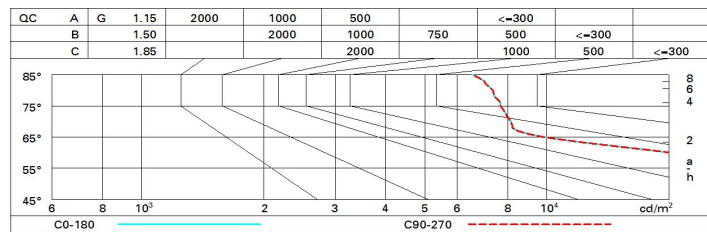
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	58	54	51	49	54	51	51	48	69
1.0	62	58	55	53	57	55	54	52	75
1.5	66	63	61	59	62	60	60	57	83
2.0	69	66	65	63	65	64	63	61	88
2.5	70	68	67	66	67	66	65	63	92
3.0	71	70	69	68	69	68	67	65	94
4.0	72	71	70	70	70	69	68	66	96
5.0	73	72	71	71	71	70	69	67	97

Luminance curve limit



UGR diagram

Corrected UGR values (at 2700 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
2H	2H	21.9	22.5	22.1	22.7	23.0	21.9	22.5	22.1	22.7	23.0
	3H	21.8	22.4	22.2	22.7	23.0	21.9	22.4	22.2	22.7	23.0
	4H	21.8	22.4	22.2	22.6	23.0	21.8	22.4	22.2	22.6	22.9
	6H	21.8	22.3	22.2	22.6	22.9	21.7	22.2	22.1	22.6	22.9
	8H	21.8	22.3	22.2	22.6	22.9	21.7	22.2	22.1	22.5	22.9
	12H	21.8	22.2	22.1	22.6	22.9	21.7	22.1	22.1	22.5	22.8
4H	2H	21.8	22.4	22.2	22.6	22.9	21.8	22.4	22.2	22.6	23.0
	3H	21.8	22.3	22.2	22.6	23.0	21.9	22.3	22.2	22.7	23.0
	4H	21.8	22.2	22.2	22.6	23.0	21.8	22.2	22.2	22.6	23.0
	6H	21.8	22.2	22.3	22.6	23.0	21.8	22.1	22.2	22.5	22.9
	8H	21.8	22.1	22.3	22.6	23.0	21.7	22.1	22.2	22.5	22.9
	12H	21.8	22.1	22.3	22.5	23.0	21.7	22.0	22.2	22.4	22.9
8H	4H	21.7	22.1	22.2	22.5	22.9	21.8	22.1	22.3	22.6	23.0
	6H	21.8	22.0	22.3	22.5	23.0	21.8	22.1	22.3	22.5	23.0
	8H	21.8	22.0	22.3	22.5	23.0	21.8	22.0	22.3	22.5	23.0
	12H	21.8	22.0	22.3	22.5	23.0	21.8	22.0	22.3	22.5	23.0
12H	4H	21.7	22.0	22.2	22.4	22.9	21.8	22.1	22.3	22.5	23.0
	6H	21.7	22.0	22.2	22.4	22.9	21.8	22.0	22.3	22.5	23.0
	8H	21.8	22.0	22.3	22.5	23.0	21.8	22.0	22.3	22.5	23.0
Variations with the observer position at spacing:											
S =		1.0H					2.4 / -2.2				
		1.5H					4.5 / -4.7				
		2.0H					6.3 / -6.0				

Laser Blade XS

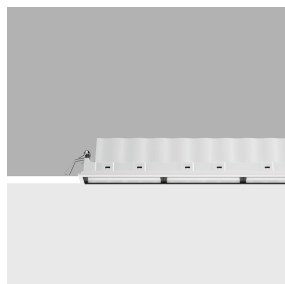
Design iGuzzini

iGuzzini

Last information update: February 2025

Product configuration: Q598

Q598: Frame 3x5 LED sections - Wall Washer



Product code

Q598: Frame 3x5 LED sections - Wall Washer

Technical description

Miniaturized recessed linear luminaire for LED lamps. Despite the ultracompact size of the product, the patented technology of the optic system guarantees an efficient and homogeneous effect on walls from top to bottom and avoids shadow zones near the ceiling. Main body with die-cast zamak radiant surface, version with perimeter surface frame. Flux enhancer - superpure aluminium reflector - asymmetrical textured PMMA screen - black polycarbonate internal perimeter frame. Supplied with DALI power supply unit connected to the luminaire.

Installation

Recessed with steel wire springs for false ceilings from 1 to 25 mm thick - preparation hole 24 x 276.

Colour

Black / Black (43) | Black / White (47) | Grey / Black (74)*

Weight (Kg)

0.75

* Colours on request

Mounting

ceiling recessed

Wiring

On the power supply unit with terminal board included.

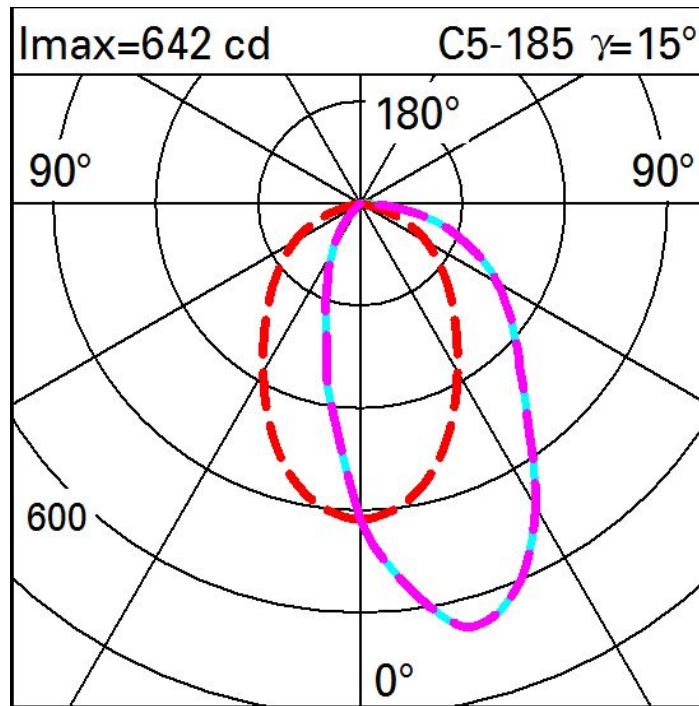
Complies with EN60598-1 and pertinent regulations



Technical data

lm system:	855	Colour temperature [K]:	2700
W system:	28.4	MacAdam Step:	2
lm source:	2250	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
W source:	25	Voltage [Vin]:	230
Luminous efficiency (lm/W, real value):	30.1	Lamp code:	LED
lm 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.) [%]:	38	Number of optical assemblies:	1
CRI (minimum):	90	Control:	DALI-2

Polar



Illuminances

Lux													Wall distance = 1m	
3														
	2	4	12	33	89	146	89	33	12	4	2			
2	4	8	18	42	86	121	86	42	18	8	4			
	5	10	19	37	64	80	64	37	19	10	5			
1	5	9	16	29	44	53	44	29	16	9	5			
	5	8	13	21	29	33	29	21	13	8	5			
0														
	m	-2	-1	0	1	2	3							

Laser Blade XS

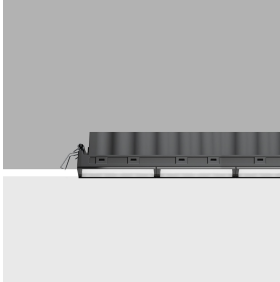
Design iGuzzini

iGuzzini

Last information update: February 2025

Product configuration: RB24

RB24: Minimal section 15 LEDs - Wall Washer



Product code

RB24: Minimal section 15 LEDs - Wall Washer

Technical description

Linear recessed miniaturised luminaire for LED lamps, specialised for vertical wall lighting. Despite the ultracompact size of the product, the patented technology of the optic system guarantees an efficient and homogeneous effect on walls from top to bottom and avoids shadow zones near the ceiling. Main body with die-cast aluminium radiant surface, minimal (frameless) version for mounting flush with the ceiling. For recessed installation in a false ceiling a specific adapter is required that is available with a separate item code. Flux enhancer - superpure aluminium reflector - asymmetrical textured PMMA screen - black polycarbonate internal perimeter frame. Supplied with a dimmable DALI power supply unit connected to the luminaire.

Installation

The luminaire is recessed in the specific adapter (QJ93) by means of a steel wire spring, previously installed on the ceiling that can be 12.5 / 15 / 20 mm thick. A special protective sheath allows finishing operations on the plasterboard to be simplified and speeded up.

Colour

Black (04)

Weight (Kg)

0.59

Mounting

ceiling recessed

Wiring

On the power supply unit with terminal board included.

Notes

The special steel wire spring provided is required to facilitate the eventual extraction of the recessed body once it has been inserted.

Complies with EN60598-1 and pertinent regulations



IP20

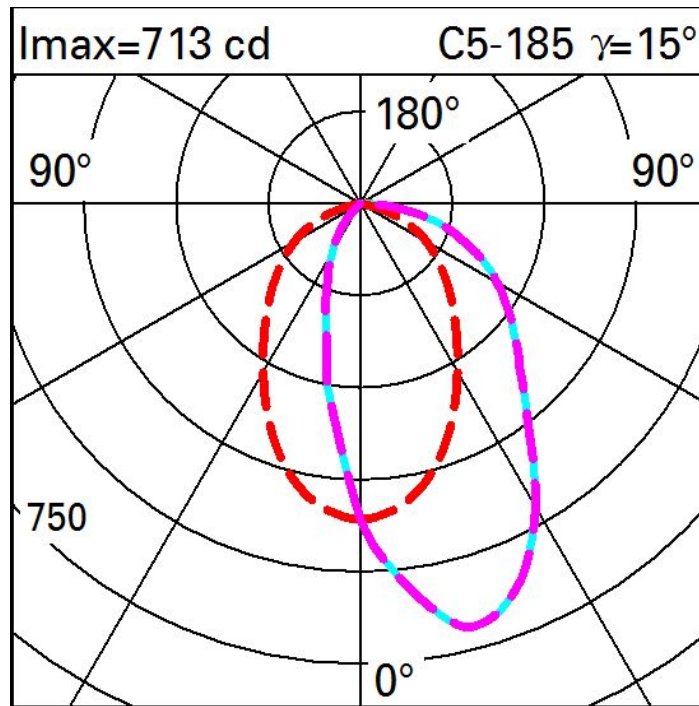
IP43



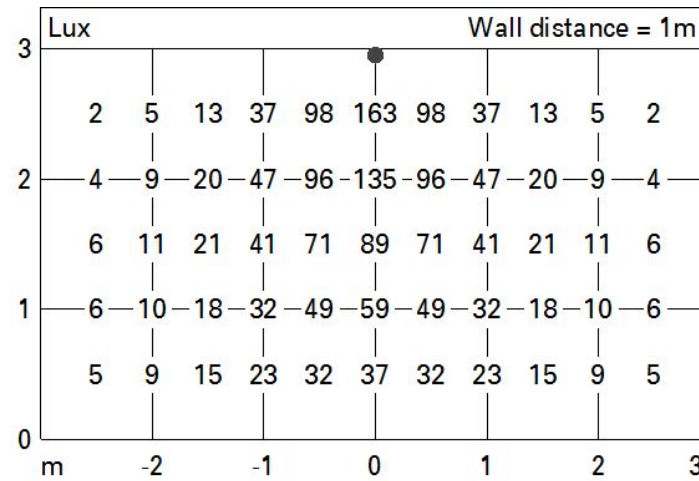
Technical data

Im system:	950	Colour temperature [K]:	3500
W system:	28.4	MacAdam Step:	2
Im source:	2500	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
W source:	25	Voltage [Vin]:	230
Luminous efficiency (Im/W, real value):	33.5	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.) [%]:	38	Number of optical assemblies:	1
CRI (minimum):	90	Control:	DALI-2

Polar



Illuminances



Laser Blade XS

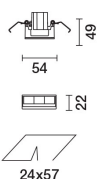
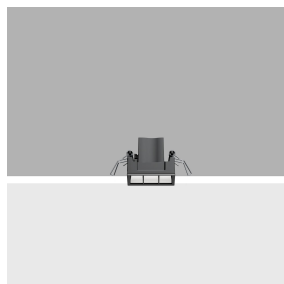
Design iGuzzini

iGuzzini

Last information update: November 2024

Product configuration: QJ70

QJ70: Recessed Minimal section 3 LEDs - remote Driver - Wall Washer Longitudinal Glare Control



Product code

QJ70: Recessed Minimal section 3 LEDs - remote Driver - Wall Washer Longitudinal Glare Control

Technical description

Linear recessed miniaturised luminaire for LED lamps, specialised for vertical wall lighting. Despite the ultracompact size of the product, the patented technology of the optic system guarantees an efficient and homogeneous effect on walls from top to bottom and avoids shadow zones near the ceiling. The black polycarbonate perimeter frame is designed to significantly reduce the effect of longitudinal glare. Main body with die-cast zamak radiant surface, minimal (frameless) version for mounting flush with the ceiling. For recessed installation in a false ceiling a specific adapter is required that is available with a separate item code. Flux enhancer - superpure aluminium reflector - asymmetrical textured PMMA screen. Ballast not included, available with separate code.

Installation

The luminaire is recessed in the specific adapter (QJ88) by means of a steel wire spring, previously installed on the ceiling that can be 12,5 / 15 / 20 mm thick. A special protective sheath allows finishing operations on the plasterboard to be simplified and speeded up.

Colour

Black (04)

Weight (Kg)

0.1

Mounting

ceiling recessed

Wiring

Constant current ballasts to be ordered separately: ON-OFF - code no. MXF9 (min 1 / max 2); dimmable DALI - code no. BZM4 (min 1 / max 6) - check the instruction sheet for the operating current / lengths and compatible cross-sections of the cables to be used.

Notes

The special steel wire spring provided is required to facilitate the eventual extraction of the recessed body once it has been inserted.

Complies with EN60598-1 and pertinent regulations



IP20

IP43

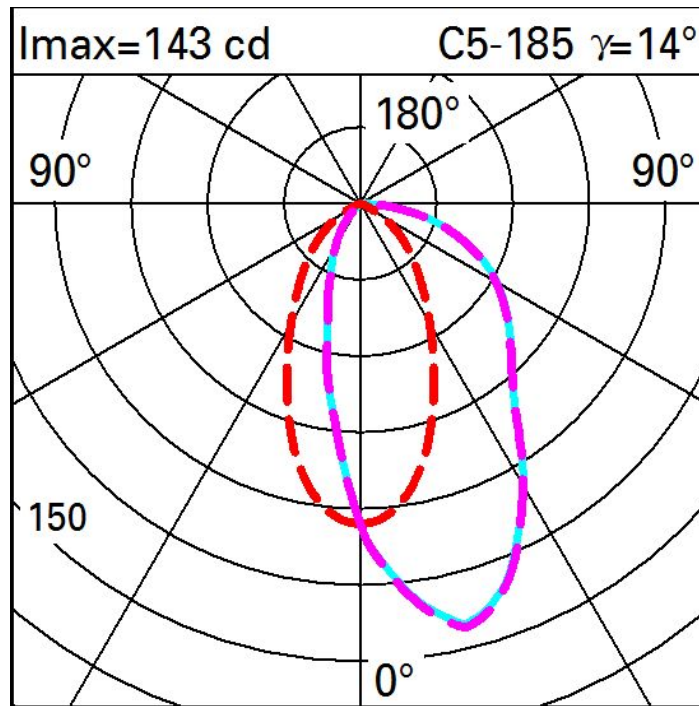
On the visible part of
the product once installed



Technical data

Im system:	148	Colour temperature [K]:	2700
W system:	5.9	MacAdam Step:	2
Im source:	530	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
W source:	5.9	Lamp code:	LED
Luminous efficiency (Im/W, real value):	25.2	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.) [%]:	28	LED current [mA]:	700
CRI (minimum):	90		

Polar

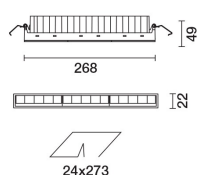


Illuminances

Lux													Wall distance = 1m	
3														
	0.1	0.2	0.8	4	16	33	16	4	0.8	0.2	0.1			
2	0.2	0.7	2	6	16	26	16	6	2	0.7	0.2			
	0.5	1	3	6	12	17	12	6	3	1	0.5			
1	0.6	1	2	5	9	11	9	5	2	1	0.6			
	0.6	1	2	4	6	7	6	4	2	1	0.6			
0														
	m	-2	-1	0	1	2	3							

Product configuration: QJ85

QJ85: Recessed Minimal section 15 LEDs - Tunable White - Wall Washer Longitudinal Glare Control



Product code

QJ85: Recessed Minimal section 15 LEDs - Tunable White - Wall Washer Longitudinal Glare Control

Technical description

Minimal linear recessed miniaturised luminaire. Using LED lamps with a high colour rendering index and a different colour temperature allows dynamic light modulation to be obtained. The variation is achieved by mixing an emission of 8 x 2700K LEDs and 7 x 5700K LEDs. Despite the disparity of lamps that use extreme channels - 2700K and 5700K - the intensity of the flux emitted remains the same. Moreover, even when products of different sizes are used, the colour temperature remains constant and uniform. Despite the ultracompact size of the product, the patented technology of the optic system guarantees an efficient and homogeneous effect on walls from top to bottom and avoids shadow zones near the ceiling. The black polycarbonate perimeter frame is designed to significantly reduce the effect of longitudinal glare. Main body with die-cast aluminium radiant surface, minimal (frameless) version for mounting flush with the ceiling. For recessed installation in a false ceiling a specific adapter is required that is available with a separate item code. Flux enhancer - superpure aluminium reflector - asymmetrical textured PMMA screen. The product is designed to be used together with codes 6170 + M630 to obtain a solution suitable for small to medium systems that can be programmed with a DALI protocol via a simple and intuitive user touch-panel. Other management systems are also available with a separate code for larger systems that require the intervention of a specialised technician to programme them: the MH97 + MH93 + MI02 group offers a DALI / KNX programmable solution, and the MH97 + MH93 + M618 group allows the system management to be extended to remote devices like tablet and smartphones too.

Installation

The luminaire is recessed in the specific adapter (QJ93) by means of a steel wire spring, previously installed on the ceiling that can be 12.5 / 15 / 20 mm thick. A special protective sheath allows finishing operations on the plasterboard to be simplified and speeded up.

Colour	Weight (Kg)
Black (04)	0.72

Mounting

ceiling recessed

Wiring

DAI control gear units included. Different management systems are available with a separate code. For technical details, properties and connection procedures see the instruction sheet.

Notes

The special steel wire spring provided is required to facilitate the eventual extraction of the recessed body once it has been inserted.

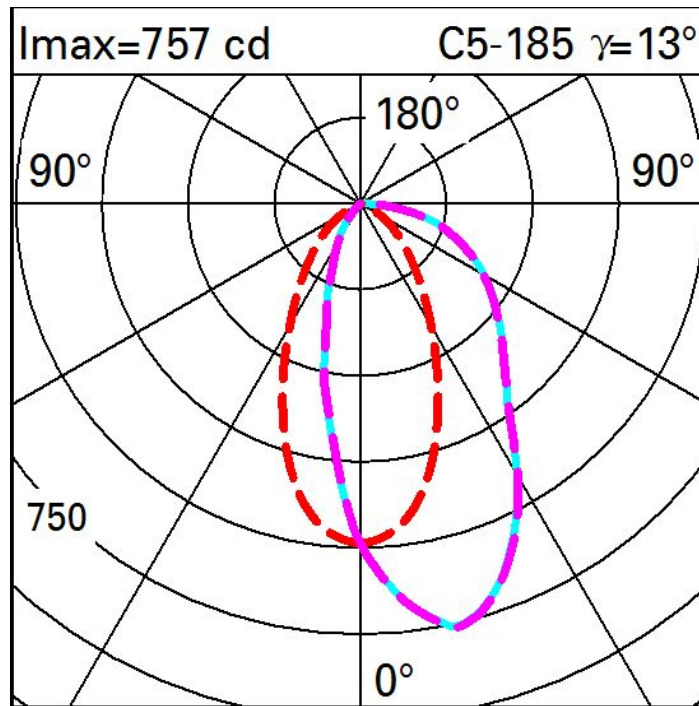
Complies with EN60598-1 and pertinent regulations



Technical data

lm system:	768	CRI (minimum):	90
W system:	28.4	Colour temperature [K]:	Tunable white 2700 - 5700
lm source:	2400	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
W source:	24	Lamp code:	LED
Luminous efficiency (lm/W, real value):	27	Number of lamps for optical assembly:	1
lm 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.) [%]:	32	Control:	DALI-2

Polar



Illuminances

Lux												Wall distance = 1m	
3													
	0.5	1	4	20	79	157	79	20	4	1	0.5		
2	1	4	11	31	80	129	80	31	11	4	1		
	2	5	12	29	61	83	61	29	12	5	2		
1	3	6	12	25	45	57	45	25	12	6	3		
	3	6	11	20	31	37	31	20	11	6	3		
0													
	m	-2	-1	0	1	2	3						