

Laser Blade XL

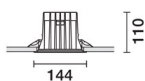
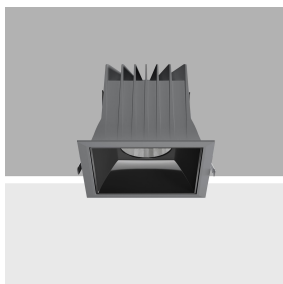
Design iGuzzini

iGuzzini

Last information update: December 2024

Product configuration: P776.74

P776.74: Fixed recessed luminaire - Neutral LED - DALI dimmable control gear - Wide Flood - Grey / Black



Product code

P776.74: Fixed recessed luminaire - Neutral LED - DALI dimmable control gear - Wide Flood - Grey / Black

Technical description

Recessed luminaire with fixed optic for Neutral White LED lamp. Passive heat dissipation system. Lamp body with die-cast aluminium radiant surface, version with perimeter surface frame. Metallised, thermoplastic, high definition Opti Beam optic, integrated in a set-back position in the anti-glare screen. Glass cover for LED lamp. The structure of the optic system produces light emission with controlled luminance ($UGR < 19$) to guarantee high visual comfort. Supplied with a dimmable DALI ballast connected to the luminaire.

Installation

Recessed with steel wire springs for false ceilings from 1 to 25 mm thick - preparation hole 125 x 125. Installation possible in a horizontal position.

Colour

Grey / Black (74)*

Weight (Kg)

0.86

* Colours on request

Mounting

ceiling recessed

Wiring

Quick-coupling connections on the ballast unit terminal block - Digital electronic cabling that allows dimming to be performed with DALI protocol or pushbutton systems (TOUCH DIM)

Notes

The product has a white finish (01) that maintains its $UGR < 19$ performance unaltered even when luminance values vary slightly.

Complies with EN60598-1 and pertinent regulations



IP20

IP44

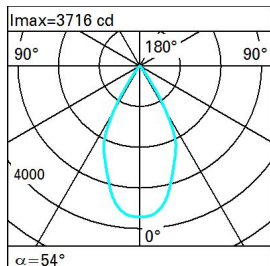
On the visible part of the product once installed



Technical data

Im system:	2430	CRI (minimum):	80
W system:	23.3	Colour temperature [K]:	4000
Im source:	3200	MacAdam Step:	2
W source:	21	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (Im/W, real value):	104.3	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.) [%]:	76	Number of optical assemblies:	1
Beam angle [°]:	54°	Control:	DALI-2

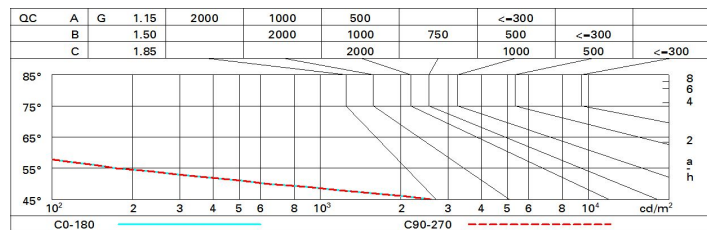
Polar

 Imax=3716 cd 90° 180° 90° 4000 0° α=54°	CIE				Lux			
	nL 0.76 99-100-100-100-76 UGR 13.6-13.6				h d Em Emax			
	DIN A.61 UTE 0.76A+0.00T F*1=992 F*1+F*2=1000 F*1+F*2+F*3=1000				2 2 682 929			
	CIBSE LG3 L<1500 cd/m² at 65° UGR<16 L<1500 cd/mq @65°				4 4 171 232			
					6 6.1 76 103			
					8 8.1 43 58			

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	68	65	62	60	64	62	62	59	78
1.0	71	68	66	64	67	65	65	63	82
1.5	75	73	71	69	72	70	69	67	88
2.0	77	76	74	73	75	73	72	70	93
2.5	79	77	76	76	76	75	75	73	96
3.0	80	79	78	77	78	77	76	74	98
4.0	81	80	80	79	79	78	77	75	99
5.0	81	81	80	80	79	79	78	76	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 3200 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		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
		viewed crosswise					viewed endwise				
2H	2H	14.2	14.8	14.5	15.0	15.3	14.2	14.8	14.5	15.0	15.3
	3H	14.1	14.6	14.4	14.9	15.2	14.1	14.6	14.4	14.9	15.2
	4H	14.0	14.5	14.3	14.8	15.1	14.0	14.5	14.3	14.8	15.1
	6H	13.9	14.4	14.3	14.7	15.0	13.9	14.4	14.3	14.7	15.0
	8H	13.9	14.3	14.3	14.7	15.0	13.9	14.3	14.3	14.7	15.0
	12H	13.9	14.3	14.2	14.6	15.0	13.9	14.3	14.2	14.6	15.0
4H	2H	14.0	14.5	14.3	14.8	15.1	14.0	14.5	14.3	14.8	15.1
	3H	13.9	14.3	14.2	14.6	15.0	13.9	14.3	14.2	14.6	15.0
	4H	13.8	14.1	14.2	14.5	14.9	13.8	14.1	14.2	14.5	14.9
	6H	13.7	14.0	14.1	14.4	14.8	13.7	14.0	14.1	14.4	14.8
	8H	13.6	13.9	14.1	14.3	14.8	13.6	13.9	14.1	14.3	14.8
	12H	13.6	13.9	14.0	14.3	14.7	13.6	13.9	14.0	14.3	14.7
8H	4H	13.6	13.9	14.1	14.3	14.8	13.6	13.9	14.1	14.3	14.8
	6H	13.5	13.8	14.0	14.2	14.7	13.5	13.8	14.0	14.2	14.7
	8H	13.5	13.7	14.0	14.2	14.7	13.5	13.7	14.0	14.2	14.7
	12H	13.4	13.6	13.9	14.1	14.6	13.4	13.6	13.9	14.1	14.6
12H	4H	13.6	13.9	14.0	14.3	14.7	13.6	13.9	14.0	14.3	14.7
	6H	13.5	13.7	14.0	14.2	14.7	13.5	13.7	14.0	14.2	14.7
	8H	13.4	13.6	13.9	14.1	14.6	13.4	13.6	13.9	14.1	14.6
Variations with the observer position at spacing:											
S =	1.0H	6.4 / -27.7					6.4 / -27.7				
	1.5H	9.2 / -31.6					9.2 / -31.6				
	2.0H	11.2 / -32.7					11.2 / -32.7				

Laser Blade XL

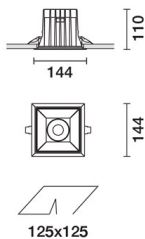
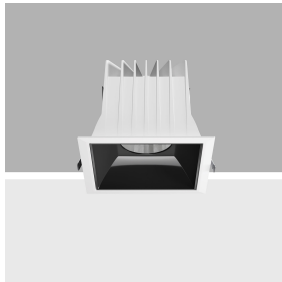
Design iGuzzini

iGuzzini

Last information update: December 2024

Product configuration: P777.47

P777.47: Fixed recessed luminaire - Warm LED - DALI dimmable control gear - Medium - Black / White



Product code

P777.47: Fixed recessed luminaire - Warm LED - DALI dimmable control gear - Medium - Black / White

Technical description

Fixed optic, recessed luminaire for a Warm White LED lamp with a high color rendering index. Passive heat dissipation system. Lamp body with die-cast aluminium radiant surface, version with perimeter surface frame. Metallised, thermoplastic, high definition Opti Beam optic, integrated in a set-back position in the anti-glare screen. Glass cover for LED lamp. The structure of the optic system produces light emission with controlled luminance (UGR < 19) to guarantee high visual comfort. Supplied with a dimmable DALI ballast connected to the luminaire.

Installation

Recessed with steel wire springs for false ceilings from 1 to 25 mm thick - preparation hole 125 x 125. Installation possible in a horizontal position.

Colour

Black / White (47)

Weight (Kg)

0.86

Mounting

ceiling recessed

Wiring

Quick-coupling connections on the ballast unit terminal block - Digital electronic cabling that allows dimming to be performed with DALI protocol or pushbutton systems (TOUCH DIM)

Notes

The product has a white finish (01) that maintains its UGR < 19 performance unaltered even when luminance values vary slightly.

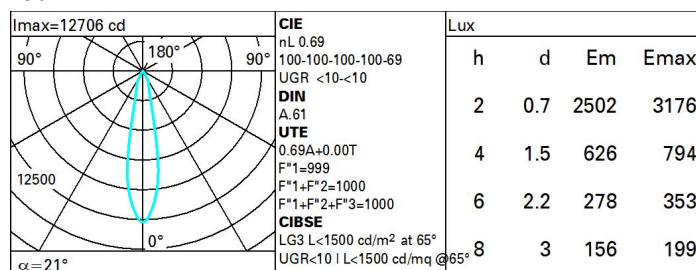
Complies with EN60598-1 and pertinent regulations



Technical data

Im system:	2381	CRI (minimum):	90
W system:	32.1	Colour temperature [K]:	3000
Im source:	3450	MacAdam Step:	2
W source:	28	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (Im/W, real value):	74.2	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.) [%]:	69	Number of optical assemblies:	1
Beam angle [°]:	22°	Control:	DALI-2

Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	62	59	57	55	59	57	56	54	78
1.0	65	62	60	59	62	60	59	57	83
1.5	68	66	64	63	65	64	63	61	89
2.0	70	69	68	66	68	67	66	64	93
2.5	72	70	70	69	70	69	68	66	96
3.0	73	72	71	70	71	70	69	67	98
4.0	73	73	72	72	72	71	70	69	99
5.0	74	73	73	73	72	72	71	69	100

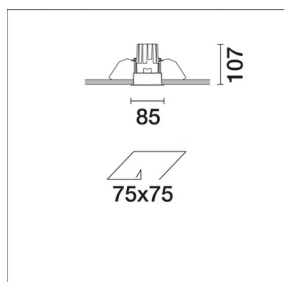
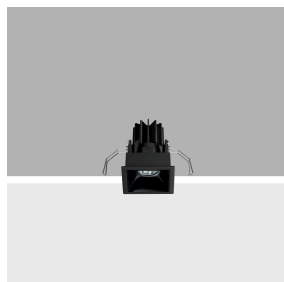
UGR diagram

Corrected UGR values (at 3450 lm bare lamp luminous flux)											
Riflect.: ceil/cav walls work pl. Room dim x y		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
		viewed crosswise					viewed endwise				
2H	2H	0.4	8.5	0.8	8.8	9.1	0.4	8.5	0.8	8.8	9.1
	3H	0.3	7.8	0.7	8.1	8.5	0.3	7.8	0.7	8.1	8.5
	4H	0.2	7.5	0.6	7.8	8.2	0.2	7.5	0.6	7.8	8.2
	6H	0.2	7.2	0.6	7.5	7.9	0.2	7.2	0.6	7.5	7.9
	8H	0.1	7.2	0.5	7.5	7.9	0.1	7.2	0.5	7.5	7.9
	12H	0.1	7.1	0.5	7.5	7.9	0.1	7.1	0.5	7.5	7.9
4H	2H	0.2	7.5	0.6	7.8	8.2	0.2	7.5	0.6	7.8	8.2
	3H	0.1	7.1	0.5	7.5	7.9	0.1	7.1	0.5	7.5	7.9
	4H	5.9	7.0	0.3	7.4	7.8	5.9	7.0	0.3	7.4	7.8
	6H	5.6	7.3	0.1	7.7	8.2	5.6	7.3	0.1	7.7	8.2
	8H	5.5	7.3	0.0	7.8	8.3	5.5	7.3	0.0	7.8	8.3
	12H	5.4	7.3	5.9	7.8	8.3	5.4	7.3	5.9	7.8	8.3
8H	4H	5.5	7.3	0.0	7.8	8.3	5.5	7.3	0.0	7.8	8.3
	6H	5.4	7.1	5.9	7.6	8.1	5.4	7.1	5.9	7.6	8.1
	8H	5.3	6.8	5.9	7.3	7.9	5.3	6.8	5.9	7.3	7.9
	12H	5.5	6.4	0.0	6.9	7.4	5.5	6.4	0.0	6.9	7.4
12H	4H	5.4	7.3	5.9	7.8	8.3	5.4	7.3	5.9	7.8	8.3
	6H	5.3	6.8	5.9	7.3	7.9	5.3	6.8	5.9	7.3	7.9
	8H	5.5	6.4	0.0	6.9	7.4	5.5	6.4	0.0	6.9	7.4
Variations with the observer position at spacing:											
S =	1.0H	7.0 / -23.7					7.0 / -23.7				
	1.5H	9.8 / -24.0					9.8 / -24.0				
	2.0H	11.8 / -24.3					11.8 / -24.3				

Last information update: October 2024

Product configuration: P950.43

P950.43: Fixed, Recessed luminaire - Warm LED - Incorporated DALI dimmable power supply - Medium optic Beam - Black/Black

**Product code**

P950.43: Fixed, Recessed luminaire - Warm LED - Incorporated DALI dimmable power supply - Medium optic Beam - Black/Black

Technical description

Fixed optic, recessed luminaire for a warm white LED lamp with a high color rendering index. Passive heat dissipation system. Lamp body with die-cast aluminium radiant surface, version with perimeter surface frame. Metallised, thermoplastic, high definition optic, integrated in a rear position in the anti-glare screen. Glass cover for LED lamp. The structure of the optical system produces light emission with controlled luminance (UGR < 19). Equipped with a dimmable DALI ballast connected to the luminaire.

Installation

recessed with steel wire springs for false ceilings from 1 to 30 mm thick - preparation hole 75 x 75. Installation permitted in either a horizontal or vertical position.

Colour

Black / Black (43)

Weight (Kg)

0.5

Mounting

wall recessed|ceiling recessed

Wiring

on the control gears box with quick-coupling connections. Digital electronic cabling that allows dimming to be performed with DALI protocol or a pushbutton switch (DIM SWITCH).

Notes

The product with its white finish (01) includes an optic ring for limiting luminance; a feature that renders a performance of UGR < 19 and determines slight variations in the opening of the optic (32°) and yield (0.73).

Complies with EN60598-1 and pertinent regulations

**Technical data**

Im system:	816	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W system:	10.6	Voltage [Vin]:	230
Im source:	1150	Lamp code:	LED
W source:	8.3	Number of lamps for optical assembly:	1
Luminous efficiency (Im/W, real value):	77	ZVEI Code:	LED
Im in emergency mode:	-	Number of optical assemblies:	1
Total light flux at or above an angle of 90° [Lm]:	0	Power factor:	See installation instructions
Light Output Ratio (L.O.R.) [%]:	71	Inrush current:	16 A / 220 µs
Beam angle [°]:	24°	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 15 luminaires B16A: 24 luminaires C10A: 24 luminaires C16A: 40 luminaires
CRI (minimum):	90	Overvoltage protection:	2kV Common mode & 1kV Differential mode
Colour temperature [K]:	3000	Control:	DALI-2
MacAdam Step:	2		

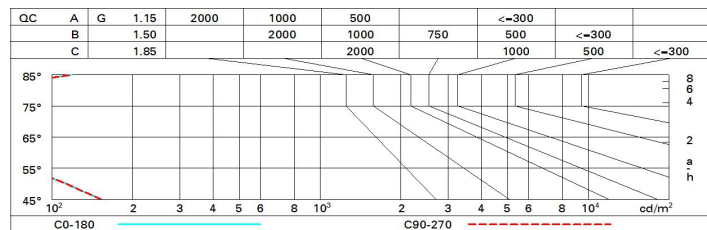
Polar

Imax=3194 cd		CIE		Lux			
				h	d	Em	Emax
90°	180°	nL 0.71	100-100-100-100-71	2	0.9	643	799
		UGR <10-<10	DIN A.61	4	1.7	161	200
		UTE 0.71A+0.00T	F*1=999	6	2.6	71	89
		F*1+F*2=1000	F*1+F*2+F*3=1000	8	3.4	40	50
		CIBSE LG3 L<1500 cd/m² at 65°	UGR<10 L<1500 cd/mq @ 65°				
α=24°							

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	64	61	59	57	60	58	58	56	78
1.0	67	64	62	60	63	61	61	59	83
1.5	70	68	66	65	67	66	65	63	89
2.0	72	71	69	68	70	69	68	66	93
2.5	74	73	72	71	71	71	70	68	96
3.0	75	74	73	72	73	72	71	69	98
4.0	75	75	74	74	74	73	72	71	99
5.0	76	76	75	75	74	74	73	71	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 1100 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	5.4	7.5	5.8	7.8	8.2	5.4	7.5	5.8	7.8	8.2
	3H	5.3	6.9	5.6	7.2	7.6	5.3	6.9	5.6	7.2	7.6
	4H	5.2	6.6	5.6	6.9	7.3	5.2	6.6	5.6	6.9	7.3
	6H	5.1	6.3	5.5	6.6	7.0	5.1	6.3	5.5	6.6	7.0
	8H	5.1	6.2	5.5	6.6	6.9	5.1	6.2	5.5	6.6	6.9
	12H	5.1	6.1	5.5	6.5	6.9	5.1	6.1	5.5	6.5	6.9
4H	2H	5.2	6.6	5.6	6.9	7.3	5.2	6.6	5.6	6.9	7.3
	3H	5.1	6.1	5.5	6.5	6.9	5.1	6.1	5.5	6.5	6.9
	4H	4.9	6.0	5.4	6.4	6.8	4.9	6.0	5.4	6.4	6.8
	6H	4.6	6.3	5.1	6.7	7.2	4.6	6.3	5.1	6.7	7.2
	8H	4.5	6.3	5.0	6.8	7.3	4.5	6.3	5.0	6.8	7.3
	12H	4.4	6.3	4.9	6.8	7.3	4.4	6.3	4.9	6.8	7.3
8H	4H	4.5	6.3	5.0	6.8	7.3	4.5	6.3	5.0	6.8	7.3
	6H	4.3	6.1	4.9	6.6	7.1	4.3	6.1	4.9	6.6	7.1
	8H	4.3	5.9	4.8	6.4	6.9	4.3	5.9	4.8	6.4	6.9
	12H	4.5	5.5	5.0	6.0	6.5	4.5	5.5	5.0	6.0	6.5
12H	4H	4.4	6.3	4.9	6.8	7.3	4.4	6.3	4.9	6.8	7.3
	6H	4.3	5.9	4.8	6.4	6.9	4.3	5.9	4.8	6.4	6.9
	8H	4.5	5.5	5.0	6.0	6.5	4.5	5.5	5.0	6.0	6.5
Variations with the observer position at spacing:											
S =	1.0H	6.8 / -19.1					6.8 / -19.1				
	1.5H	9.6 / -19.6					9.6 / -19.6				
	2.0H	11.6 / -19.9					11.6 / -19.9				

Laser Blade L

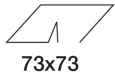
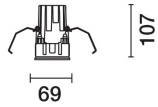
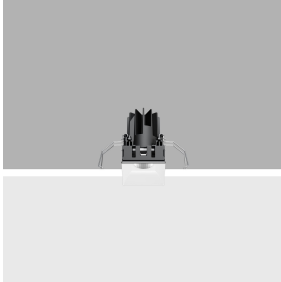
Design iGuzzini

iGuzzini

Last information update: October 2024

Product configuration: QK03.01

QK03.01: Minimal 1 cell - Flood beam - LED - White



Product code

QK03.01: Minimal 1 cell - Flood beam - LED - White

Technical description

Fixed optic, recessed luminaire for high efficiency, LED lamp. Passive heat dissipation system. Lamp body with die-cast aluminium radiant surface, flush with ceiling version (frameless). For recessed installation in a false ceiling a specific adapter is required that is available with a separate item code. Metallised, thermoplastic, high definition optic, integrated in a rear position in the anti-glare screen. Glass cover for LED lamp. The structure of the optic system produces controlled luminance emission to guarantee high visual comfort. Supplied with a dimmable DALI electronic ballast connected to the luminaire.

Installation

The luminaire is recessed in the specific adapter (QK49) by means of a steel wire spring, previously installed on the ceiling that can be between 12.5 and 25 mm thick. Installation possible in a horizontal or vertical position.

Colour

White (01)

Weight (Kg)

0.48

Mounting

wall recessed|ceiling recessed

Wiring

Quick-coupling connections on the ballast unit. Digital electronic cabling that allows dimming to be performed with DALI protocol or a pushbutton switch (read the indications on the instruction sheet carefully).

Notes

The product with its white finish (01) includes an optic ring for limiting luminance; a feature that renders optimal performance and determines slight variations in the opening of the optic and yield.

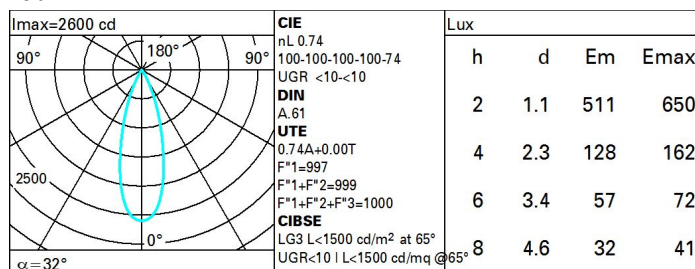
Complies with EN60598-1 and pertinent regulations



Technical data

Im system:	850	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W system:	10.6	Voltage [Vin]:	230
Im source:	1150	Lamp code:	LED
W source:	8.3	Number of lamps for optical assembly:	1
Luminous efficiency (lm/W, real value):	80.2	ZVEI Code:	LED
Im in emergency mode:	-	Number of optical assemblies:	1
Total light flux at or above an angle of 90° [Lm]:	0	Power factor:	See installation instructions
Light Output Ratio (L.O.R.) [%]:	74	Inrush current:	16 A / 220 µs
Beam angle [°]:	32°	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 15 luminaires B16A: 24 luminaires C10A: 24 luminaires C16A: 40 luminaires
CRI (minimum):	90	Overvoltage protection:	2kV Common mode & 1kV Differential mode
Colour temperature [K]:	3000	Control:	DALI-2
MacAdam Step:	2		

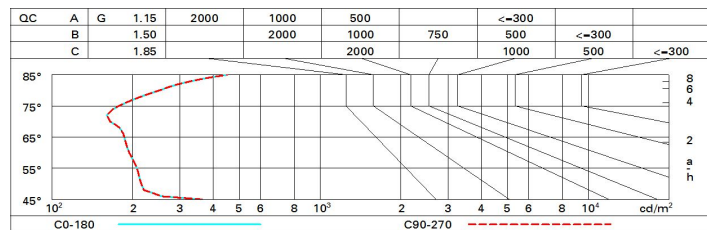
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	67	63	61	59	63	61	60	58	78
1.0	70	67	64	63	66	64	64	61	83
1.5	73	71	69	67	70	68	68	65	89
2.0	75	74	72	71	73	71	71	69	93
2.5	77	76	75	74	74	74	73	71	96
3.0	78	77	76	75	76	75	74	72	98
4.0	79	78	78	77	77	76	75	73	99
5.0	79	79	78	78	77	77	76	74	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				
2H	2H	5.5	6.0	5.7	6.2	6.5	5.5	6.0	5.7	6.2	6.5
	3H	5.3	5.8	5.6	6.1	6.4	5.3	5.8	5.6	6.1	6.4
	4H	5.3	5.7	5.6	6.0	6.3	5.3	5.7	5.6	6.0	6.3
	6H	5.2	5.6	5.6	5.9	6.3	5.2	5.6	5.5	5.9	6.2
	8H	5.2	5.6	5.5	5.9	6.2	5.1	5.5	5.5	5.9	6.2
	12H	5.2	5.5	5.5	5.9	6.2	5.1	5.5	5.5	5.8	6.2
4H	2H	5.3	5.7	5.6	6.0	6.3	5.3	5.7	5.6	6.0	6.3
	3H	5.1	5.5	5.5	5.8	6.2	5.1	5.5	5.5	5.8	6.2
	4H	5.0	5.4	5.4	5.7	6.1	5.0	5.4	5.4	5.7	6.1
	6H	5.0	5.3	5.4	5.7	6.1	5.0	5.3	5.4	5.7	6.1
	8H	4.9	5.2	5.4	5.6	6.1	4.9	5.2	5.4	5.6	6.0
	12H	4.9	5.2	5.4	5.6	6.1	4.9	5.1	5.3	5.5	6.0
8H	4H	4.9	5.2	5.4	5.6	6.0	4.9	5.2	5.4	5.6	6.1
	6H	4.9	5.1	5.3	5.5	6.0	4.9	5.1	5.3	5.5	6.0
	8H	4.8	5.0	5.3	5.5	6.0	4.8	5.0	5.3	5.5	6.0
	12H	4.8	5.0	5.3	5.5	6.0	4.8	5.0	5.3	5.4	6.0
12H	4H	4.9	5.1	5.3	5.5	6.0	4.9	5.2	5.4	5.6	6.1
	6H	4.8	5.0	5.3	5.5	6.0	4.9	5.1	5.3	5.5	6.0
	8H	4.8	5.0	5.3	5.4	6.0	4.8	5.0	5.3	5.5	6.0
Variations with the observer position at spacing:											
S =	1.0H	6.4 / -9.8					6.4 / -9.8				
	1.5H	9.2 / -10.0					9.2 / -10.0				
	2.0H	11.1 / -10.2					11.1 / -10.2				

Laser Blade XL

Design iGuzzini

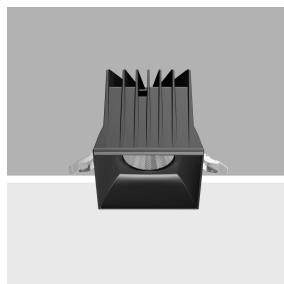
iGuzzini

Last information update: October 2024

Product configuration: QK56.04+QK71.01

QK56.04: Minimal - Medium beam - LED - Black

QK71.01: Minimal flange - for false ceilings between 12 mm and 25 mm thick - White



Product code

QK56.04: Minimal - Medium beam - LED - Black

Technical description

Recessed luminaire with fixed optic for an LED lamp. Passive heat dissipation system. Lamp body with die-cast aluminium radiant surface, flush with ceiling version (frameless). For recessed installation in a false ceiling a specific adapter is required that is available with a separate item code. Metallised, thermoplastic, high definition Opti Beam optic, integrated in a set-back position in the anti-glare screen. Glass cover for LED lamp. The structure of the optic system produces light emission with controlled luminance (UGR < 19) to guarantee high visual comfort. Supplied with a dimmable DALI ballast unit connected to the luminaire.

Installation

The luminaire is recessed in the specific adapter (QK71) by means of a steel wire spring, previously installed on the ceiling that can be between 12.5 and 25 mm thick. Installation possible in a horizontal position.

Weight (Kg)

0.7

Mounting

ceiling recessed

Wiring

Quick-coupling connections on the ballast unit. Digital electronic cabling that allows dimming to be performed with DALI protocol or a pushbutton switch (read the indications on the instruction sheet carefully).

Notes

The product has a white finish (01) that maintains its UGR < 19 performance unaltered even when luminance values vary slightly.

Complies with EN60598-1 and pertinent regulations



IP20

IP44

On the visible part of the product once installed



Accessory code

QK71.01: Minimal flange - for false ceilings between 12 mm and 25 mm thick - White

Technical description

Adapter for a compatible false ceiling between 12 mm and 25 mm thick. White painted metal frame for flush with ceiling installation - zinc-plated metal plates for fixing to false ceilings. Fixing screws included in package.

Installation

Preparation hole 125 x 125 mm. The flush with ceiling frame is fixed by positioning the plates according to the thickness of the false ceiling; use the template provided to avoid buckling the frame during installation - then perform the filling and finishing operations and, lastly, insert the recess case (separate item code) in the adapter.

Colour

White (01)

Weight (Kg)

0.15

Mounting

wall recessed|ceiling recessed

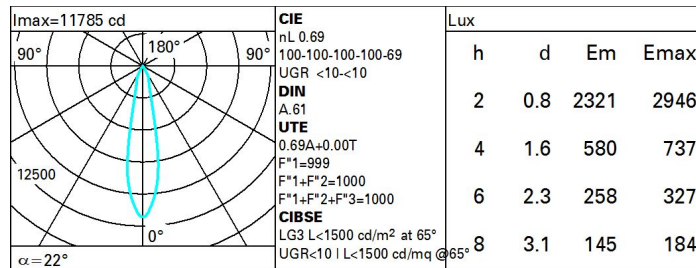
Complies with EN60598-1 and pertinent regulations



Technical data

Im system:	2208	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W system:	32	Lamp code:	LED
Im source:	3200	Number of lamps for optical assembly:	1
W source:	28	ZVEI Code:	LED
Luminous efficiency (lm/W, real value):	69	Number of optical assemblies:	1
Im in emergency mode:	-	Power factor:	See installation instructions
Total light flux at or above an angle of 90° [Lm]:	0	Inrush current:	18 A / 250 µs
Light Output Ratio (L.O.R.) [%]:	69	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 21 luminaires B16A: 34 luminaires C10A: 35 luminaires C16A: 57 luminaires
Beam angle [°]:	22°	Minimum dimming %:	1
CRI (minimum):	90	Overvoltage protection:	2kV Common mode & 1kV Differential mode
Colour temperature [K]:	2700	Dimming mode:	CCR
MacAdam Step:	2	Control:	DALI

Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	62	59	57	55	59	57	56	54	78
1.0	65	62	60	59	62	60	59	57	83
1.5	68	66	64	63	65	64	63	61	89
2.0	70	69	68	66	68	67	66	64	93
2.5	72	70	70	69	70	69	68	66	96
3.0	73	72	71	70	71	70	69	67	98
4.0	73	73	72	72	72	71	70	69	99
5.0	74	73	73	73	72	72	71	69	100

UGR diagram

Corrected UGR values (at 3200 lm bare lamp luminous flux)											
Reflect.:											
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					viewed				
x	y	crosswise					endwise				
2H	2H	6.2	8.2	6.5	8.5	8.9	6.2	8.2	6.5	8.5	8.9
	3H	6.0	7.5	6.4	7.9	8.2	6.0	7.5	6.4	7.9	8.2
	4H	6.0	7.2	6.3	7.6	7.9	6.0	7.2	6.3	7.6	7.9
	6H	5.9	6.9	6.3	7.3	7.6	5.9	6.9	6.3	7.3	7.6
	8H	5.9	6.9	6.3	7.3	7.6	5.9	6.9	6.3	7.3	7.6
	12H	5.8	6.9	6.2	7.2	7.6	5.8	6.9	6.2	7.2	7.6
4H	2H	6.0	7.2	6.3	7.6	7.9	6.0	7.2	6.3	7.6	7.9
	3H	5.8	6.9	6.2	7.2	7.6	5.8	6.9	6.2	7.2	7.6
	4H	5.7	6.8	6.1	7.1	7.6	5.7	6.8	6.1	7.1	7.6
	6H	5.3	7.0	5.8	7.4	7.9	5.3	7.0	5.8	7.4	7.9
	8H	5.2	7.0	5.7	7.5	8.0	5.2	7.0	5.7	7.5	8.0
	12H	5.1	7.0	5.6	7.5	8.0	5.1	7.0	5.6	7.5	8.0
8H	4H	5.2	7.0	5.7	7.5	8.0	5.2	7.0	5.7	7.5	8.0
	6H	5.1	6.8	5.6	7.3	7.8	5.1	6.8	5.6	7.3	7.8
	8H	5.1	6.6	5.6	7.1	7.6	5.1	6.6	5.6	7.1	7.6
	12H	5.3	6.2	5.8	6.7	7.2	5.3	6.2	5.8	6.6	7.2
12H	4H	5.1	7.0	5.6	7.5	8.0	5.1	7.0	5.6	7.5	8.0
	6H	5.1	6.6	5.6	7.1	7.6	5.1	6.6	5.6	7.1	7.6
	8H	5.3	6.2	5.8	6.6	7.2	5.3	6.2	5.8	6.7	7.2
Variations with the observer position at spacing:											
S =		1.0H	7.0 / -23.7				7.0 / -23.7				
		1.5H	9.8 / -24.0				9.8 / -24.0				
		2.0H	11.8 / -24.3				11.8 / -24.3				