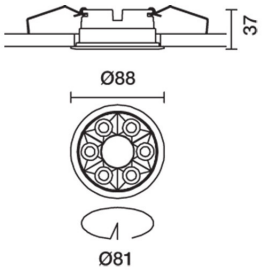
Blade R downlight

Design iGuzzini **iGuzzini**

Last information update: January 2025

Product configuration: QS15
QS15: Frame Ø 80 - Medium beam - LED



Product code
QS15: Frame Ø 80 - Medium beam - LED

Technical description
Ring luminaire with 6 optical elements for LED lamps - fixed optics. The optic system guarantees a high level of visual comfort and no glare. The body includes a radiant surface made of die-cast aluminium. Version includes a perimeter surface frame. High definition reflectors made of thermoplastic material vacuum-metallised with aluminium vapours, integrated in a set-back position in the anti-glare screen. Supplied with a power supply unit connected to the luminaire. Central cover available with separate item code.

Installation
Recessed with steel wire springs for false ceilings from 1 to 25 mm thick - Ø 80 installation hole.

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

* Colours on request

Weight (Kg)
0.3

Mounting
ceiling recessed

Wiring
On the power supply unit with terminal board included. Available in DALI versions.

Notes
Central cover to complete the luminaire to be ordered with a separate item code - available in a standard finish, it is designed to be painted with a customised finish.

Complies with EN60598-1 and pertinent regulations

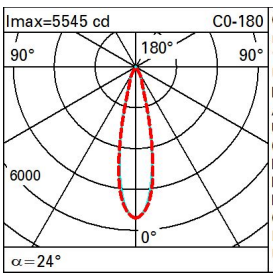
IP20 IP23 pending pending

Technical data

lm system:	1160
W system:	14.5
lm source:	1450
W source:	12
Luminous efficiency (lm/W, real value):	80
lm in emergency mode:	-
Total light flux at or above an angle of 90° [Lm]:	0
Light Output Ratio (L.O.R.) [%]:	80
Beam angle [°]:	24°
CRI (minimum):	80
Colour temperature [K]:	4000
MacAdam Step:	2

Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Voltage [Vin]:	230
Lamp code:	LED
Number of lamps for optical assembly:	1
ZVEI Code:	LED
Number of optical assemblies:	1
Power factor:	See installation instructions
Inrush current:	5 A / 220 µs
Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 81 luminaires B16A: 130 luminaires C10A: 135 luminaires C16A: 221 luminaires
Minimum dimming %:	1
Control:	DALI-2

Polar



CIE
nL 0.80
100-100-100-100-80
UGR <10-<10
DIN
A.61
UTE
0.80A+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 I L<1500 cd/mq @65°

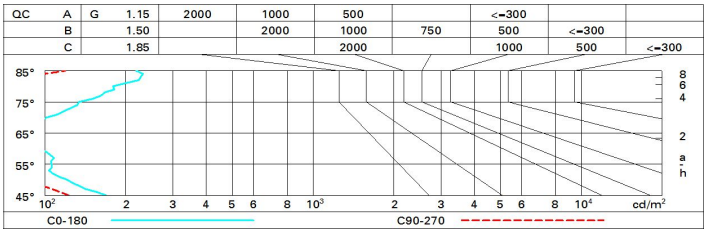
Lux

h	d1	d2	Em	Emax
2	0.9	0.9	1104	1386
4	1.7	1.7	276	347
6	2.6	2.6	123	154
8	3.4	3.4	69	87

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	77	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 1450 lm bare lamp luminous flux)

Riflect.: 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 crosswise					viewed endwise		
x	y										
2H	2H	3.6	5.7	4.0	6.0	6.4	4.9	7.0	5.2	7.3	7.6
	3H	3.5	5.1	3.8	5.4	5.7	4.7	6.3	5.1	6.6	7.0
	4H	3.4	4.7	3.8	5.1	5.4	4.7	6.0	5.0	6.3	6.7
	6H	3.4	4.4	3.8	4.7	5.1	4.6	5.6	5.0	6.0	6.3
	8H	3.3	4.4	3.7	4.7	5.1	4.6	5.6	5.0	5.9	6.3
	12H	3.3	4.3	3.7	4.7	5.1	4.5	5.5	4.9	5.9	6.3
4H	2H	3.4	4.7	3.8	5.1	5.4	4.7	6.0	5.0	6.3	6.7
	3H	3.3	4.3	3.7	4.7	5.0	4.5	5.5	4.9	5.9	6.3
	4H	3.1	4.2	3.6	4.6	5.0	4.4	5.4	4.8	5.8	6.2
	6H	2.8	4.5	3.3	4.9	5.4	4.0	5.7	4.5	6.1	6.6
	8H	2.7	4.5	3.2	5.0	5.5	3.9	5.8	4.4	6.2	6.7
	12H	2.6	4.5	3.1	5.0	5.5	3.8	5.7	4.3	6.2	6.7
8H	4H	2.7	4.5	3.2	5.0	5.5	3.9	5.8	4.4	6.2	6.7
	6H	2.6	4.3	3.1	4.8	5.3	3.8	5.6	4.3	6.0	6.6
	8H	2.6	4.1	3.1	4.6	5.2	3.8	5.3	4.3	5.8	6.4
	12H	2.7	3.7	3.3	4.2	4.8	3.9	4.9	4.4	5.4	6.0
12H	4H	2.6	4.5	3.1	5.0	5.5	3.8	5.7	4.3	6.2	6.7
	6H	2.5	4.1	3.1	4.6	5.1	3.8	5.3	4.3	5.8	6.4
	8H	2.7	3.7	3.2	4.2	4.7	3.9	4.9	4.5	5.4	6.0

Variations with the observer position at spacing:

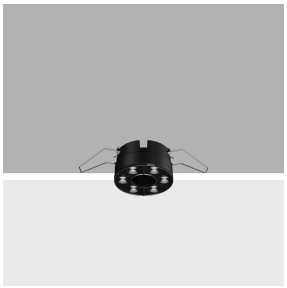
S =			
	1.0H	6.6 / -12.8	6.7 / -17.1
	1.5H	9.4 / -13.0	9.5 / -17.3
	2.0H	11.4 / -13.0	11.5 / -17.5

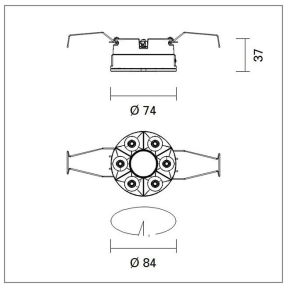
Blade R downlight

Design iGuzzini **iGuzzini**

Last information update: January 2025

Product configuration: QS74
QS74: MInimal Ø 84 - Medium beam - LED





Product code
QS74: MInimal Ø 84 - Medium beam - LED

Technical description
Ring luminaire with 6 optical elements for LED lamps - fixed optics. The optic system guarantees a high level of visual comfort and no glare. The body includes a radiant surface made of die-cast aluminium. Minimal (frameless) version for flush with ceiling installation. For recessed installation in a false ceiling a specific adapter is required that is available with a separate item code. High definition reflectors made of thermoplastic material vacuum-metallised with aluminium vapours, integrated in a set-back position in the anti-glare screen. Supplied with a power supply unit connected to the luminaire. Central cover available with separate item code.

Installation
Recessed with steel wire springs for false ceilings from 12,5 to 25 mm thick - Ø 84 installation hole.

Colour
White (01) | Black (04) | Gold (14)* | Burnished chrome (E6)*

Weight (Kg)
0.3

* Colours on request

Mounting
ceiling recessed

Wiring
On the power supply unit with terminal board included. Available in DALI electronic versions.

Notes
Central cover to complete the luminaire to be ordered with a separate item code - available in a standard finish, it is designed to be painted with a customised finish.

Complies with EN60598-1 and pertinent regulations

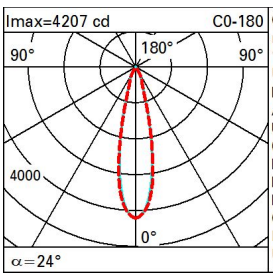
IP20 IP23 pending pending

Technical data

lm system:	880
W system:	14.5
lm source:	1100
W source:	12
Luminous efficiency (lm/W, real value):	60.7
lm in emergency mode:	-
Total light flux at or above an angle of 90° [Lm]:	0
Light Output Ratio (L.O.R.) [%]:	80
Beam angle [°]:	24°
CRI (minimum):	90
Colour temperature [K]:	3000
MacAdam Step:	2

Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Voltage [Vin]:	230
Lamp code:	LED
Number of lamps for optical assembly:	1
ZVEI Code:	LED
Number of optical assemblies:	1
Power factor:	See installation instructions
Inrush current:	5 A / 220 µs
Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 81 luminaires B16A: 130 luminaires C10A: 135 luminaires C16A: 221 luminaires
Minimum dimming %:	1
Control:	DALI-2

Polar



CIE
nL 0.80
100-100-100-100-80
UGR <10-<10
DIN
A.61
UTE
0.80A+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 I L<1500 cd/mq @65°

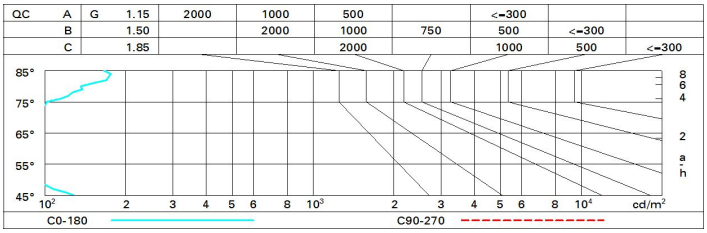
Lux

h	d1	d2	Em	Emax
2	0.9	0.9	837	1052
4	1.7	1.7	209	263
6	2.6	2.6	93	117
8	3.4	3.4	52	66

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	77	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 1100 lm bare lamp luminous flux)

Riflect.: 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 crosswise					viewed endwise		
x	y										
2H	2H	2.7	4.7	3.0	5.1	5.4	3.9	6.0	4.3	6.3	6.7
	3H	2.5	4.1	2.9	4.4	4.8	3.8	5.3	4.1	5.7	6.0
	4H	2.5	3.8	2.8	4.1	4.5	3.7	5.0	4.1	5.3	5.7
	6H	2.4	3.4	2.8	3.8	4.1	3.6	4.7	4.0	5.0	5.4
	8H	2.4	3.4	2.8	3.8	4.1	3.6	4.6	4.0	5.0	5.3
	12H	2.3	3.4	2.7	3.7	4.1	3.5	4.6	4.0	4.9	5.3
4H	2H	2.4	3.8	2.8	4.1	4.4	3.7	5.0	4.1	5.3	5.7
	3H	2.3	3.3	2.7	3.7	4.1	3.5	4.6	4.0	4.9	5.3
	4H	2.2	3.2	2.6	3.6	4.0	3.4	4.4	3.9	4.8	5.2
	6H	1.8	3.5	2.3	4.0	4.4	3.1	4.7	3.6	5.2	5.7
	8H	1.7	3.6	2.2	4.1	4.6	2.9	4.8	3.4	5.3	5.8
	12H	1.6	3.6	2.1	4.1	4.6	2.8	4.8	3.3	5.3	5.8
8H	4H	1.7	3.6	2.2	4.0	4.5	2.9	4.8	3.4	5.3	5.8
	6H	1.6	3.4	2.1	3.9	4.4	2.8	4.6	3.3	5.1	5.6
	8H	1.6	3.2	2.1	3.7	4.2	2.8	4.4	3.3	4.9	5.4
	12H	1.8	2.8	2.3	3.3	3.8	3.0	4.0	3.5	4.5	5.0
12H	4H	1.6	3.5	2.1	4.0	4.5	2.8	4.8	3.3	5.3	5.8
	6H	1.6	3.1	2.1	3.6	4.2	2.8	4.4	3.3	4.9	5.4
	8H	1.8	2.8	2.3	3.3	3.8	3.0	4.0	3.5	4.5	5.0

Variations with the observer position at spacing:

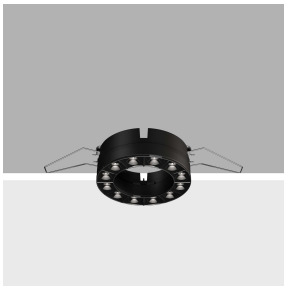
S =	1.0H	6.6 / -12.8	6.7 / -17.1
	1.5H	9.4 / -13.0	9.5 / -17.3
	2.0H	11.4 / -13.0	11.5 / -17.5

Blade R downlight

Design iGuzzini **iGuzzini**

Last information update: June 2024

Product configuration: QW66
QW66: MInimal Ø 129 - Wide Flood beam - LED



Product code
QW66: MInimal Ø 129 - Wide Flood beam - LED

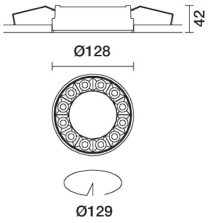
Technical description
Ring luminaire with 12 optical elements for LED lamps - fixed optics. The optic system guarantees a high level of visual comfort and no glare. The body includes a radiant surface made of die-cast aluminium. Minimal (frameless) version for flush with ceiling installation. For recessed installation in a false ceiling a specific adapter is required that is available with a separate item code. High definition reflectors made of thermoplastic material vacuum-metallised with aluminium vapours, integrated in a set-back position in the anti-glare screen. Supplied with a power supply unit connected to the luminaire.

Installation
Recessed with steel wire springs for false ceilings from 12,5 to 25 mm thick - Ø 129 installation hole.

Colour
White (01) | Black (04) | Gold (14)* | Burnished chrome (E6)*

Weight (Kg)
0.54

* Colours on request



Mounting
ceiling recessed

Wiring
On the power supply unit with terminal board included. Available in DALI electronic versions.

Complies with EN60598-1 and pertinent regulations

IP20 IP23 On the visible part of the product once installed

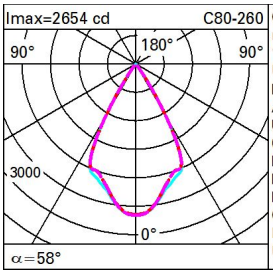
pending pending

Technical data

lm system:	1870
W system:	26.8
lm source:	2200
W source:	24
Luminous efficiency (lm/W, real value):	69.8
lm in emergency mode:	-
Total light flux at or above an angle of 90° [Lm]:	0
Light Output Ratio (L.O.R.) [%]:	85
Beam angle [°]:	58°
CRI (minimum):	90
Colour temperature [K]:	3500
MacAdam Step:	2

Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Voltage [Vin]:	230
Lamp code:	LED
Number of lamps for optical assembly:	1
ZVEI Code:	LED
Number of optical assemblies:	1
Power factor:	See installation instructions
Inrush current:	21 A / 139 µs
Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 15 luminaires B16A: 24 luminaires C10A: 24 luminaires C16A: 40 luminaires
Minimum dimming %:	1
Overvoltage protection:	2kV Common mode & 1kV Differential mode
Control:	DALI-2

Polar



CIE
nL 0.85
100-100-100-100-85
UGR 11.6-11.8
DIN
A.61
UTE
0.85A+0.00T
F"1=997
F"1+F"2=1000
F"1+F"2+F"3=1000
CIBSE
LG3 L<1500 cd/m² at 65°
UGR<16 | L<1500 cd/mq @65°

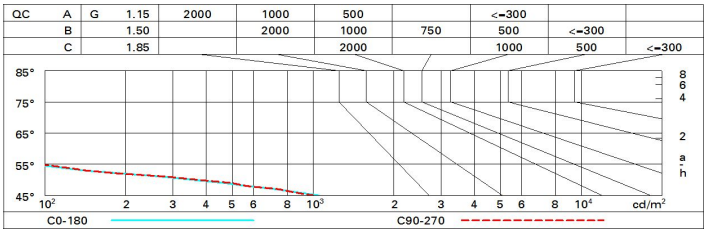
Lux

h	d1	d2	Em	Emax
2	2.2	2.2	491	662
4	4.4	4.4	123	166
6	6.7	6.7	55	74
8	8.9	8.9	31	41

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	77	73	70	68	72	70	69	67	78
1.0	80	77	74	72	76	73	73	70	83
1.5	84	81	79	78	80	79	78	75	89
2.0	87	85	83	82	84	82	81	79	93
2.5	88	87	86	85	86	85	84	81	96
3.0	89	88	87	87	87	86	85	83	98
4.0	90	90	89	89	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 2200 lm bare lamp luminous flux)

Riflect.: 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 crosswise					viewed endwise		
x	y										
2H	2H	12.2	12.8	12.5	13.0	13.2	12.4	12.9	12.6	13.2	13.4
	3H	12.1	12.6	12.4	12.9	13.1	12.2	12.8	12.5	13.0	13.3
	4H	12.0	12.5	12.3	12.8	13.1	12.2	12.6	12.5	12.9	13.2
	6H	11.9	12.4	12.3	12.7	13.0	12.1	12.5	12.4	12.8	13.2
	8H	11.9	12.3	12.2	12.6	13.0	12.0	12.5	12.4	12.8	13.1
	12H	11.8	12.2	12.2	12.6	12.9	12.0	12.4	12.4	12.8	13.1
4H	2H	12.0	12.5	12.3	12.8	13.1	12.2	12.6	12.5	12.9	13.2
	3H	11.8	12.2	12.2	12.6	12.9	12.0	12.4	12.4	12.8	13.1
	4H	11.7	12.1	12.1	12.5	12.9	11.9	12.3	12.3	12.6	13.0
	6H	11.7	12.0	12.1	12.4	12.8	11.8	12.1	12.2	12.5	13.0
	8H	11.6	11.9	12.0	12.3	12.7	11.8	12.1	12.2	12.5	12.9
	12H	11.6	11.8	12.0	12.3	12.7	11.7	12.0	12.2	12.4	12.9
8H	4H	11.6	11.9	12.0	12.3	12.7	11.8	12.1	12.2	12.5	12.9
	6H	11.5	11.8	12.0	12.2	12.7	11.7	11.9	12.1	12.4	12.8
	8H	11.5	11.7	11.9	12.1	12.6	11.6	11.8	12.1	12.3	12.8
	12H	11.4	11.6	11.9	12.1	12.6	11.6	11.8	12.1	12.2	12.8
12H	4H	11.6	11.8	12.0	12.3	12.7	11.7	12.0	12.2	12.4	12.9
	6H	11.5	11.7	11.9	12.1	12.6	11.6	11.8	12.1	12.3	12.8
	8H	11.4	11.6	11.9	12.1	12.6	11.6	11.8	12.1	12.2	12.8

Variations with the observer position at spacing:

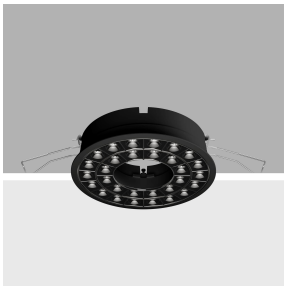
S =			
	1.0H	6.8 / -31.1	6.8 / -31.1
	1.5H	9.6 / -40.3	9.6 / -42.0
	2.0H	11.6 / -51.6	11.6 / -48.9

Blade R downlight

Design iGuzzini **iGuzzini**

Last information update: October 2024

Product configuration: QS53
QS53: Frame Ø 170 - Flood beam - LED



Product code
QS53: Frame Ø 170 - Flood beam - LED

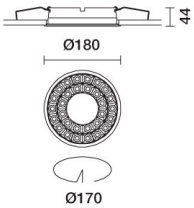
Technical description
Ring luminaire with 18+12 optical elements for LED lamps - fixed optics. The optic system guarantees a high level of visual comfort and no glare. The body includes a radiant surface made of die-cast aluminium. The 18 LED and 12 LED optical assemblies include control gear and separate on/off switches. High definition reflectors made of thermoplastic material vacuum-metallised with aluminium vapours, integrated in a set-back position in the anti-glare screen. Supplied with a power supply unit connected to the luminaire.

Installation
Recessed with steel wire springs for false ceilings from 1 to 25 mm thick - Ø 170 installation hole.

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

* Colours on request

Weight (Kg)
1.25



Mounting
ceiling recessed

Wiring
On the power supply unit with terminal board included. Available in DALI versions.

Complies with EN60598-1 and pertinent regulations

IP20 IP23 On the visible part of the product once installed

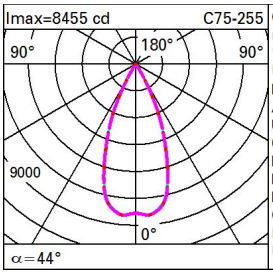
pending

Technical data

lm system:	4026
W system:	56.2
lm source:	4850
W source:	51
Luminous efficiency (lm/W, real value):	71.6
lm in emergency mode:	-
Total light flux at or above an angle of 90° [Lm]:	0
Light Output Ratio (L.O.R.) [%]:	83
Beam angle [°]:	44°
CRI (minimum):	90
Colour temperature [K]:	3000
MacAdam Step:	2

Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Voltage [Vin]:	230
Lamp code:	LED
Number of lamps for optical assembly:	1
ZVEI Code:	LED
Number of optical assemblies:	1
Power factor:	See installation instructions
Inrush current:	21 A / 139 µs
Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 15 luminaires B16A: 24 luminaires C10A: 24 luminaires C16A: 40 luminaires
Minimum dimming %:	1
Overvoltage protection:	2kV Common mode & 1kV Differential mode
Control:	DALI-2

Polar



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°

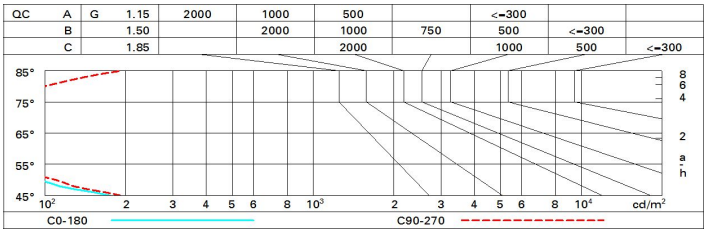
Lux

h	d1	d2	Em	Emax
2	1.6	1.6	1683	2094
4	3.2	3.2	421	524
6	4.8	4.8	187	233
8	6.5	6.5	105	131

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	75	71	69	66	71	68	68	65	78
1.0	78	75	72	71	74	72	71	69	83
1.5	82	80	78	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 4850 lm bare lamp luminous flux)

Riflect.: 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 crosswise					viewed endwise		
x	y										
2H	2H	1.8	2.3	2.0	2.6	2.8	1.7	2.3	2.0	2.5	2.8
	3H	1.6	2.1	1.9	2.4	2.7	1.6	2.1	1.9	2.4	2.7
	4H	1.5	2.0	1.9	2.3	2.6	1.5	2.0	1.9	2.3	2.6
	6H	1.5	1.9	1.8	2.2	2.5	1.5	1.9	1.8	2.2	2.5
	8H	1.4	1.9	1.8	2.2	2.5	1.4	1.9	1.8	2.2	2.5
	12H	1.4	1.8	1.8	2.1	2.5	1.4	1.8	1.8	2.1	2.5
4H	2H	1.5	2.0	1.9	2.3	2.6	1.5	2.0	1.9	2.3	2.6
	3H	1.4	1.8	1.8	2.1	2.5	1.4	1.8	1.8	2.1	2.5
	4H	1.3	1.7	1.7	2.0	2.4	1.3	1.7	1.7	2.0	2.4
	6H	1.2	1.5	1.6	1.9	2.3	1.2	1.5	1.6	1.9	2.3
	8H	1.2	1.5	1.6	1.9	2.3	1.2	1.5	1.6	1.9	2.3
	12H	1.1	1.4	1.6	1.8	2.3	1.1	1.4	1.6	1.8	2.3
8H	4H	1.2	1.5	1.6	1.9	2.3	1.2	1.5	1.6	1.9	2.3
	6H	1.1	1.3	1.5	1.8	2.2	1.1	1.3	1.6	1.8	2.2
	8H	1.0	1.2	1.5	1.7	2.2	1.0	1.2	1.5	1.7	2.2
	12H	1.0	1.1	1.5	1.6	2.1	1.0	1.2	1.5	1.6	2.2
12H	4H	1.1	1.4	1.6	1.8	2.3	1.1	1.4	1.6	1.8	2.3
	6H	1.0	1.2	1.5	1.7	2.2	1.1	1.3	1.5	1.7	2.2
	8H	1.0	1.1	1.5	1.6	2.1	1.0	1.2	1.5	1.7	2.2

Variations with the observer position at spacing:

S =			
	1.0H	6.9 / -21.5	6.9 / -14.1
	1.5H	9.7 / -23.4	9.7 / -14.5
	2.0H	11.7 / -24.2	11.7 / -14.8