

Last information update: March 2025

Product configuration: QM02

QM02: Ø887mm - neutral white - Microprismatic - DALI

**Product code**

QM02: Ø887mm - neutral white - Microprismatic - DALI

Technical description

Round luminaire for ceiling-mounted installation with option of recessed or pendant installation via an accessory to be ordered separately. Direct emission designed to use neutral white 4000K LED lamps. The optical assembly consists of an extruded painted aluminium frame, a satin finish methacrylate diffuser screen for UGR<19 3000cd/m2 light emission and a sheet metal rear closing base. The driver is housed in the upper part of the product.

Installation

Ceiling-mounted. Recessed or pendant-mounted using an accessory to be ordered separately.

Colour

White (01) | Black (04)

Weight (Kg)

14.1

Mounting

wall surface|ceiling surface

Wiring

Product complete with electronic components. The electrical cables used are made of a "halogen free" material. (This means that the cables do not contain any halogen materials that in the event of a fire do not emit toxic or corrosive gases and only a small quantity of opaque fumes).

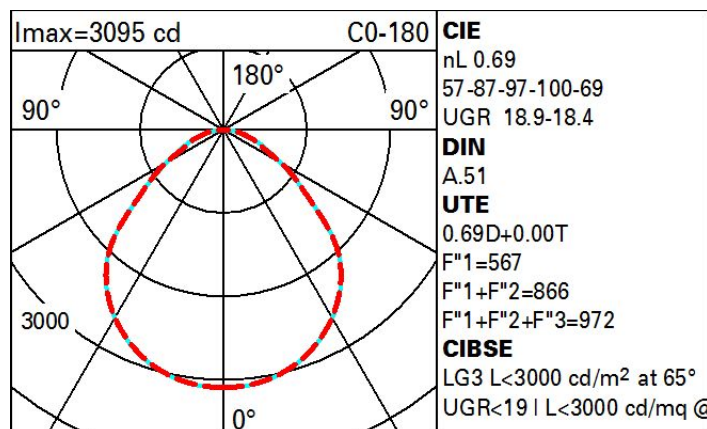
Notes

TPb rated

Complies with EN60598-1 and pertinent regulations

**Technical data**

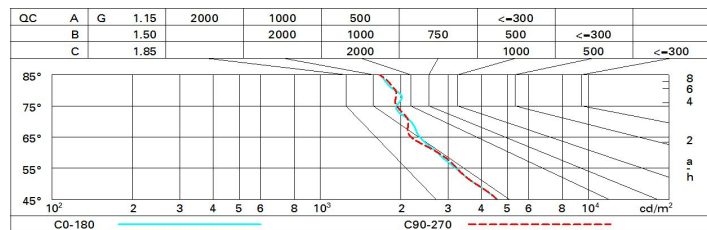
Im system:	7279	Colour temperature [K]:	4000
W system:	60.2	MacAdam Step:	3
Im source:	10550	Life Time LED 1:	50,000h - L80 - B10 (Ta 25°C)
W source:	56	Lamp code:	LED
Luminous efficiency (Im/W, real value):	120.9	Number of lamps for optical assembly:	1
Im in emergency mode:	-	ZVEI Code:	LED
Total light 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	48	42	37	34	41	37	36	32	46
1.0	53	47	42	39	46	42	41	37	54
1.5	60	55	51	48	53	50	49	45	66
2.0	63	59	56	54	58	55	55	51	74
2.5	66	62	60	57	61	59	58	54	79
3.0	67	65	62	60	63	61	60	57	82
4.0	69	67	65	63	65	64	63	60	86
5.0	70	68	67	65	67	65	64	61	89

Luminance curve limit



UGR diagram

Corrected UGR values (at 10550 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	16.3	17.4	16.7	17.7	17.9	16.4	17.4	16.7	17.7	18.0
	3H	17.2	18.1	17.5	18.4	18.7	16.7	17.6	17.0	17.9	18.2
	4H	17.5	18.4	17.9	18.7	19.1	16.7	17.6	17.1	17.9	18.3
	6H	17.9	18.7	18.2	19.0	19.4	16.7	17.6	17.1	17.9	18.2
	8H	18.0	18.8	18.4	19.1	19.5	16.7	17.5	17.1	17.9	18.2
	12H	18.1	18.8	18.5	19.2	19.6	16.7	17.5	17.1	17.8	18.2
4H	2H	16.7	17.6	17.1	17.9	18.2	17.5	18.4	17.9	18.7	19.1
	3H	17.8	18.5	18.1	18.9	19.2	18.0	18.8	18.4	19.1	19.5
	4H	18.2	18.9	18.6	19.3	19.7	18.2	18.9	18.6	19.3	19.7
	6H	18.7	19.3	19.1	19.7	20.1	18.4	19.0	18.8	19.4	19.8
	8H	18.9	19.4	19.3	19.8	20.3	18.4	19.0	18.9	19.4	19.8
	12H	19.0	19.5	19.4	19.9	20.4	18.4	18.9	18.9	19.4	19.8
8H	4H	18.4	18.9	18.8	19.4	19.8	18.9	19.4	19.3	19.8	20.3
	6H	19.0	19.4	19.5	19.9	20.4	19.1	19.6	19.6	20.0	20.5
	8H	19.2	19.6	19.7	20.1	20.6	19.3	19.7	19.8	20.1	20.6
	12H	19.4	19.8	19.9	20.3	20.8	19.4	19.7	19.9	20.2	20.7
12H	4H	18.4	18.9	18.9	19.3	19.8	19.0	19.5	19.4	19.9	20.4
	6H	19.0	19.4	19.5	19.9	20.4	19.3	19.7	19.8	20.2	20.7
	8H	19.3	19.7	19.8	20.1	20.7	19.5	19.8	20.0	20.3	20.8
Variations with the observer position at spacing:											
S =	1.0H	0.3 / -0.3					0.3 / -0.3				
	1.5H	0.5 / -0.8					0.5 / -0.8				
	2.0H	1.0 / -1.1					1.0 / -1.1				

Product configuration: QL80

Product code

Technical description

Installation

Colour

White (01) | Black (04)

Weight (Kg)

20

Mounting

wall surface/ceiling surface

Wiring

Product complete with electronic components. The electrical cables used are made of a "halogen free" material. (This means that the cables do not contain any halogen materials that in the event of a fire do not emit toxic or corrosive gases and only a small quantity of opaque fumes).

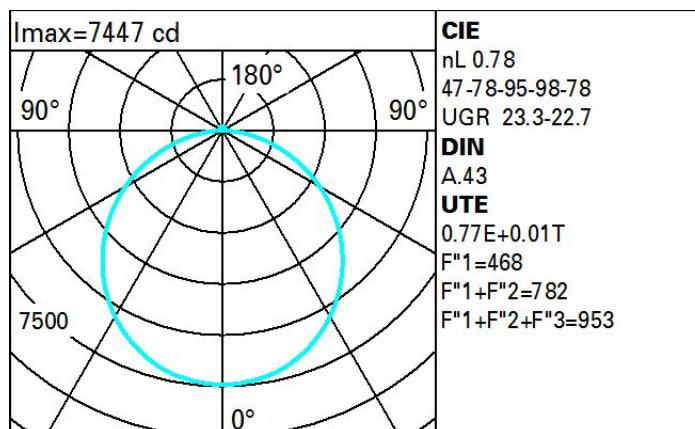
Complies with EN60598-1 and pertinent regulations



Technical data

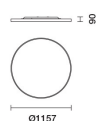
Im system:	21762	Colour temperature [K]:	3000
W system:	167.6	MacAdam Step:	3
Im source:	27900	Life Time LED 1:	50,000h - L90 - B10 (Ta 25°C)
W source:	156	Lamp code:	LED
Luminous efficiency (Im/W, real value):	129.8	Number of lamps for optical assembly:	1
Im in emergency mode:	-	ZVEI Code:	LED
Total light flux at or above an angle of 90° [Lm]:	353	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	78	Control:	DALI-2
CRI (minimum):	80		

Polar



Product configuration: QL98

QL98: Ø1157mm - warm white - Microprismatic - DALI



Product code

QL98: Ø1157mm - warm white - Microprismatic - DALI

Technical description

Round luminaire for ceiling-mounted installation with option of recessed or pendant installation via an accessory to be ordered separately. Up/down emission designed to use warm white 3000K LED lamps. The optical assembly consists of an extruded painted aluminium frame, a satin finish methacrylate diffuser screen for UGR<19 3000cd/m2 light emission and a sheet metal rear closing base. The driver is housed in the upper part of the product.

Installation

Installation: Ceiling-mounted. Recessed or pendant-mounted using an accessory to be ordered separately.

Colour

White (01) | Black (04)

Weight (Kg)

23.7

Mounting

mounting
wall surface ceiling surface

Wiring

Product complete with electronic components. The electrical cables used are made of a "halogen free" material. (This means that the cables do not contain any halogen materials that in the event of a fire do not emit toxic or corrosive gases and only a small quantity of opaque fumes).

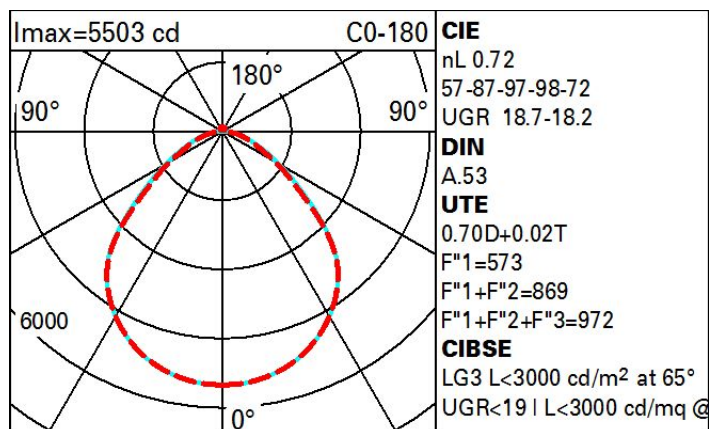
Complies with EN60598-1 and pertinent regulations



Technical data

Im system:	13104	Colour temperature [K]:	3000
W system:	103.9	MacAdam Step:	3
Im source:	18200	Life Time LED 1:	50,000h - L90 - B10 (Ta 25°C)
W source:	95	Lamp code:	LED
Luminous efficiency (Im/W, real value):	126.1	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]:	282	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	72	Control:	DALI-2
CRI (minimum):	80		

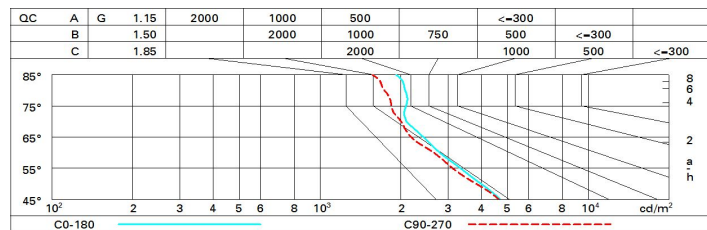
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	50	43	39	35	42	38	37	33	47
1.0	55	49	44	40	47	43	43	38	54
1.5	62	57	53	50	55	52	51	47	66
2.0	66	62	58	56	60	57	56	52	74
2.5	68	65	62	60	63	61	60	56	79
3.0	70	67	64	62	65	63	62	58	83
4.0	72	69	67	66	67	66	64	61	87
5.0	73	71	69	68	69	67	66	63	89

Luminance curve limit



UGR diagram

Corrected UGR values (at 18200 lm bare lamp luminous flux)											
Reflect.: ceiling 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	16.2	17.3	16.6	17.6	17.9	16.2	17.2	16.5	17.5	17.8
	3H	17.0	18.0	17.4	18.3	18.6	16.5	17.4	16.8	17.7	18.1
	4H	17.4	18.3	17.8	18.6	19.0	16.5	17.4	16.9	17.7	18.1
	6H	17.8	18.6	18.2	18.9	19.3	16.5	17.3	16.9	17.7	18.1
	8H	17.9	18.7	18.3	19.1	19.5	16.5	17.3	16.9	17.7	18.1
	12H	18.0	18.8	18.5	19.2	19.6	16.5	17.2	16.9	17.6	18.0
4H	2H	16.6	17.4	17.0	17.8	18.1	17.3	18.2	17.7	18.5	18.9
	3H	17.6	18.3	18.0	18.7	19.1	17.8	18.5	18.2	18.9	19.3
	4H	18.0	18.7	18.5	19.1	19.6	18.0	18.6	18.4	19.0	19.5
	6H	18.5	19.1	19.0	19.5	20.0	18.1	18.7	18.6	19.1	19.6
	8H	18.7	19.3	19.2	19.7	20.2	18.2	18.7	18.6	19.1	19.6
	12H	18.9	19.4	19.4	19.8	20.3	18.2	18.6	18.7	19.1	19.6
8H	4H	18.2	18.7	18.7	19.2	19.7	18.6	19.1	19.1	19.6	20.0
	6H	18.8	19.3	19.3	19.7	20.3	18.9	19.3	19.4	19.8	20.3
	8H	19.1	19.5	19.6	20.0	20.5	19.0	19.4	19.5	19.9	20.4
	12H	19.3	19.6	19.9	20.2	20.7	19.1	19.4	19.6	20.0	20.5
12H	4H	18.2	18.7	18.7	19.2	19.7	18.7	19.2	19.2	19.6	20.1
	6H	18.9	19.2	19.4	19.7	20.3	19.0	19.4	19.6	19.9	20.5
	8H	19.2	19.5	19.7	20.0	20.6	19.2	19.5	19.8	20.1	20.6
Variations with the observer position at spacing:											
S =	1.0H	0.3 / -0.3					0.3 / -0.3				
	1.5H	0.5 / -0.8					0.5 / -0.9				
	2.0H	1.0 / -1.1					1.1 / -1.2				

Product configuration: QL65

QL65: Ø597mm - warm white - Opal - DALI



QL65: Ø597mm - warm white - Opal - DALI

Round luminaire for ceiling-mounted installation with option of recessed or pendant installation via an accessory to be ordered separately. Direct emission designed to use warm white 3000K LED lamps. The optical assembly consists of an extruded painted aluminium frame, a satin finish methacrylate diffuser screen for general light emission and a sheet metal rear closing base. The driver is housed in the upper part of the product.

Ceiling-mounted. Recessed or pendant-mounted using an accessory to be ordered separately.

White (01) | Black (04)

6.5

wall surface|ceiling surface

Product complete with electronic components. The electrical cables used are made of a "halogen free" material. (This means that the cables do not contain any halogen materials that in the event of a fire do not emit toxic or corrosive gases and only a small quantity of opaque fumes).

Complies with EN60598-1 and pertinent regulations



Im system:	5282	Colour temperature [K]:	3000
W system:	43.1	MacAdam Step:	3
Im source:	6950	Life Time LED 1:	50,000h - L90 - B10 (Ta 25°C)
W source:	39	Lamp code:	LED
Luminous efficiency (lm/W, real value):	122.6	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.) [%]:	76	Control:	DALI-2
CRI (minimum):	80		

Imax=1855 cd

90° 180° 90°

2000

0°

CIE
nL 0.76
47-79-96-100-76
UGR 23.2-22.7

DIN
A.41

UTE
0.76E+0.00T
F"1=471
F"1+F"2=787
F"1+F"2+F"3=956

Last information update: November 2024

Product configuration: QL84
QL84: Ø597mm - Tunable White - Microprismatic - DALI



Product code

QL84: Ø597mm - Tunable White - Microprismatic - DALI

Technical description

Round luminaire for ceiling-mounted installation with option of recessed or pendant installation via an accessory to be ordered separately. Direct emission designed to use Tunable White 2700K÷6500K LED lamps. The optical assembly consists of an extruded painted aluminium frame, a satin finish methacrylate diffuser screen for UGR<19 3000cd/m2 light emission and a sheet metal rear closing base. The DALI DT8 driver is housed in the upper part of the product.

Installation

Ceiling-mounted. Recessed or pendant-mounted using an accessory to be ordered separately.

Colour

White (01) | Black (04)

Weight (Kg)

7.5

Mounting

wall surface|ceiling surface

Wiring

Product complete with electronic components. The electrical cables used are made of a “halogen free” material. (This means that the cables do not contain any halogen materials that in the event of a fire do not emit toxic or corrosive gases and only a small quantity of opaque fumes).

Notes

TPb rated

Complies with EN60598-1 and pertinent regulations



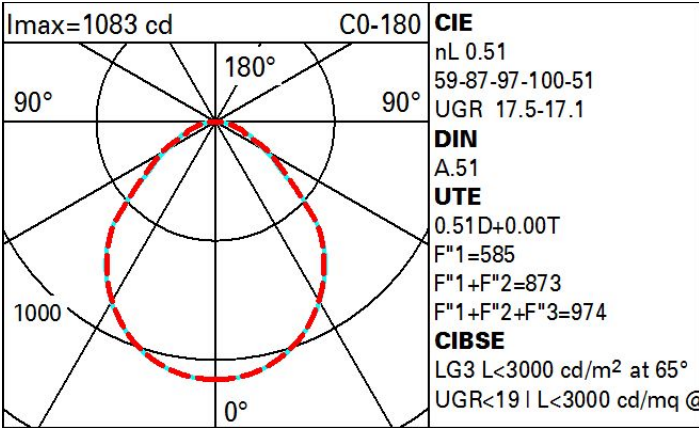
for optical assembly



Technical data

Im system:	2372	CRI (minimum):	90
W system:	29.9	Colour temperature [K]:	Tunable white 2700 - 6500
Im source:	4650	Life Time LED 1:	50,000h - L90 - B10 (Ta 25°C)
W source:	25	Lamp code:	LED
Luminous efficiency (Im/W, real value):	79.3	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.) [%]:	51	Control:	DALI-2

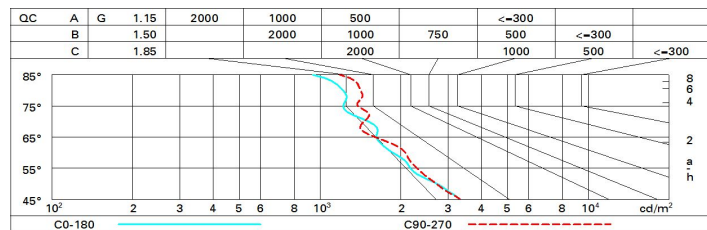
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	36	31	28	25	31	28	27	24	48
1.0	39	35	32	29	34	31	31	28	55
1.5	44	41	38	36	40	37	37	34	67
2.0	47	44	42	40	43	41	41	38	75
2.5	49	46	44	43	45	44	43	41	80
3.0	50	48	46	45	47	45	45	42	83
4.0	51	50	48	47	49	47	47	44	87
5.0	52	51	49	48	50	49	48	46	89

Luminance curve limit



UGR diagram

Corrected UGR values (at 4050 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
2H	2H	15.1	16.2	15.4	16.4	16.7	15.0	16.1	15.3	16.3	16.6
	3H	15.9	16.9	16.3	17.2	17.5	15.3	16.2	15.7	16.5	16.8
	4H	16.3	17.1	16.6	17.4	17.8	15.4	16.3	15.8	16.6	16.9
	6H	16.5	17.3	16.9	17.7	18.0	15.4	16.2	15.8	16.5	16.9
	8H	16.6	17.4	17.0	17.7	18.1	15.4	16.2	15.8	16.5	16.9
	12H	16.7	17.4	17.1	17.8	18.1	15.4	16.1	15.8	16.5	16.8
4H	2H	15.5	16.3	15.8	16.7	17.0	16.2	17.1	16.6	17.4	17.7
	3H	16.5	17.2	16.9	17.6	17.9	16.7	17.5	17.1	17.8	18.2
	4H	16.9	17.6	17.3	18.0	18.4	16.9	17.6	17.3	17.9	18.3
	6H	17.4	17.9	17.8	18.3	18.8	17.0	17.6	17.5	18.0	18.4
	8H	17.5	18.0	17.9	18.4	18.9	17.1	17.6	17.5	18.0	18.5
	12H	17.6	18.0	18.0	18.5	18.9	17.1	17.6	17.5	18.0	18.5
8H	4H	17.1	17.6	17.6	18.1	18.5	17.5	18.1	18.0	18.5	18.9
	6H	17.7	18.1	18.1	18.6	19.0	17.8	18.2	18.3	18.7	19.2
	8H	17.9	18.3	18.4	18.7	19.2	17.9	18.3	18.4	18.7	19.2
	12H	18.0	18.4	18.5	18.8	19.4	18.0	18.3	18.5	18.8	19.3
12H	4H	17.1	17.6	17.6	18.0	18.5	17.7	18.1	18.1	18.6	19.0
	6H	17.7	18.1	18.2	18.6	19.1	17.9	18.3	18.4	18.8	19.3
	8H	18.0	18.3	18.5	18.8	19.3	18.1	18.4	18.6	18.9	19.4
Variations with the observer position at spacing:											
S =		1.0H					0.3 / -0.3				
		1.5H					0.5 / -0.9				
		2.0H					1.1 / -1.1				

Product configuration: QL90

QL90: Ø1157mm - Tunable White - Microprismatic - DALI



Product code

QL90: Ø1157mm - Tunable White - Microprismatic - DALI

Technical description

Round luminaire for ceiling-mounted installation with option of recessed or pendant installation via an accessory to be ordered separately. Direct emission designed to use Tunable White 2700K+6500KLED lamps. The optical assembly consists of an extruded painted aluminium frame, a satin finish methacrylate diffuser screen for UGR<19 3000cd/m2 light emission and a sheet metal rear closing base. The DALI DT8 driver is housed in the upper part of the product.

Installation

Ceiling-mounted. Recessed or pendant-mounted using an accessory to be ordered separately.

Colour

White (01) | Black (04)

Weight (Kg)

23.7

Mounting

mounting
wall surface ceiling surface

Wiring

Product complete with electronic components. The electrical cables used are made of a "halogen free" material. (This means that the cables do not contain any halogen materials that in the event of a fire do not emit toxic or corrosive gases and only a small quantity of opaque fumes).

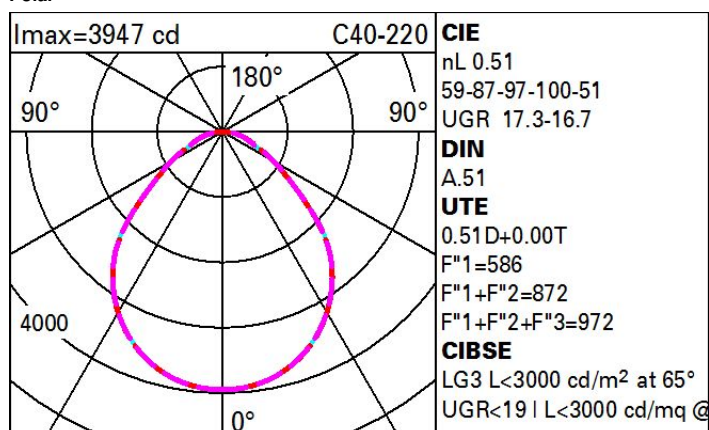
Complies with EN60598-1 and pertinent regulations



Technical data

Im system:	8670	CRI (minimum):	90
W system:	107.2	Colour temperature [K]:	Tunable white 2700 - 6500
Im source:	17000	Life Time LED 1:	50,000h - L90 - B10 (Ta 25°C)
W source:	96	Lamp code:	LED
Luminous efficiency (Im/W, real value):	80.9	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.) [%]:	51	Control:	DALI-2

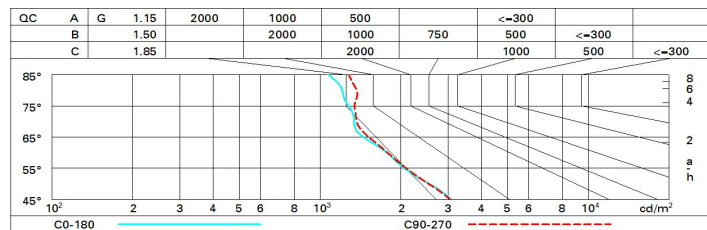
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	36	31	28	25	31	28	27	24	48
1.0	39	35	32	29	34	31	31	28	55
1.5	44	41	38	36	40	37	37	34	67
2.0	47	44	42	40	43	41	41	38	75
2.5	49	46	44	43	45	44	43	41	80
3.0	50	48	46	45	47	45	45	42	83
4.0	51	49	48	47	48	47	46	44	87
5.0	52	51	49	48	49	48	48	46	89

Luminance curve limit



UGR diagram

Corrected UGR values (at 17000 lm bare lamp luminous flux)											
Riflect.: ceil/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	14.8	15.8	15.1	16.1	16.4	14.7	15.8	15.0	16.0	16.3
	3H	15.6	16.5	15.9	16.8	17.1	15.0	15.9	15.4	16.2	16.5
	4H	15.9	16.8	16.3	17.1	17.4	15.1	16.0	15.4	16.3	16.6
	6H	16.2	17.0	16.6	17.4	17.7	15.1	15.9	15.5	16.2	16.6
	8H	16.4	17.1	16.7	17.5	17.8	15.1	15.9	15.5	16.2	16.6
	12H	16.4	17.2	16.8	17.5	17.9	15.1	15.8	15.5	16.2	16.5
4H	2H	15.2	16.0	15.5	16.3	16.6	15.9	16.8	16.3	17.1	17.4
	3H	16.1	16.9	16.5	17.2	17.6	16.4	17.1	16.8	17.5	17.8
	4H	16.6	17.3	17.0	17.7	18.1	16.6	17.2	17.0	17.6	18.0
	6H	17.1	17.7	17.5	18.1	18.5	16.7	17.3	17.1	17.7	18.1
	8H	17.3	17.8	17.7	18.2	18.7	16.7	17.3	17.2	17.7	18.1
	12H	17.4	17.9	17.8	18.3	18.8	16.8	17.2	17.2	17.7	18.1
8H	4H	16.8	17.4	17.3	17.8	18.2	17.3	17.8	17.7	18.2	18.7
	6H	17.4	17.9	17.9	18.3	18.8	17.5	18.0	18.0	18.4	18.9
	8H	17.7	18.1	18.2	18.6	19.1	17.6	18.0	18.1	18.5	19.0
	12H	17.9	18.3	18.4	18.7	19.3	17.7	18.1	18.2	18.6	19.1
12H	4H	16.8	17.3	17.3	17.7	18.2	17.4	17.9	17.9	18.3	18.8
	6H	17.5	17.9	18.0	18.3	18.8	17.7	18.1	18.2	18.6	19.1
	8H	17.8	18.1	18.3	18.6	19.2	17.9	18.2	18.4	18.7	19.2
Variations with the observer position at spacing:											
S =	1.0H	0.3 / -0.3					0.3 / -0.3				
	1.5H	0.4 / -0.8					0.5 / -0.8				
	2.0H	1.1 / -1.2					1.1 / -1.1				

Product configuration: EN16

Product code

Technical description

Installation

Colour

Weight (Kg)

Mounting

Wiring

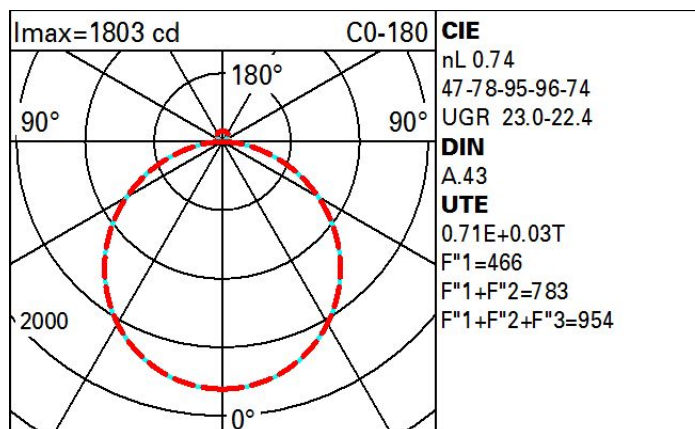
Complies with EN60598-1 and pertinent regulations



Technical data

Im system:	5439	Colour temperature [K]:	4000
W system:	43.1	MacAdam Step:	3
Im source:	7350	Life Time LED 1:	50,000h - L90 - B10 (Ta 25°C)
W source:	39	Lamp code:	LED
Luminous efficiency (Im/W, real value):	126.2	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]:	222	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	74	Control:	DALI-2
CRI (minimum):	80		

Polar



Last information update: October 2024

Product configuration: 6793+9400.15+9401.15

6793: Diffused light luminaire - Warm LED - DALI dimmable electronic control gear
9400.15: Pair of plastic brackets for ceiling/wall application - plastic material for ceiling/wall application - Grey
9401.15: 5-pole power supply strip - Grey



Product code

6793: Diffused light luminaire - Warm LED - DALI dimmable electronic control gear

Technical description

Diffused light luminaire, designed to use LED lamps. Anti UV-treated, polycarbonate, external body and end caps with a ribbed finish to contain any dazzle from direct light. The double cable gland provided allows max 15.5 mm Ø electric cables to be used. The end caps can be released using the stainless steel clips, so scheduled maintenance is tool-free. Complete with pass-through wiring for continuous line installations.

Installation

Horizontal or vertical, single or double pendant / surface (wall and ceiling) installation. For these various types of installation use the optional kits supplied.

Colour

Clear transparent (24)

Weight (Kg)

2.95

Mounting

wall surface|ceiling surface|ceiling pendant

Wiring

DALI dimmable electronic control gear integrated in the luminaire. Mains connection made with quick coupling terminal blocks.

Complies with EN60598-1 and pertinent regulations



Accessory code

9400.15: Pair of plastic brackets for ceiling/wall application - plastic material for ceiling/wall application - Grey

Colour

Grey (15)

Weight (Kg)

0.07

Complies with EN60598-1 and pertinent regulations



Accessory code

9401.15: 5-pole power supply strip - Grey

Colour

Grey (15)

Weight (Kg)

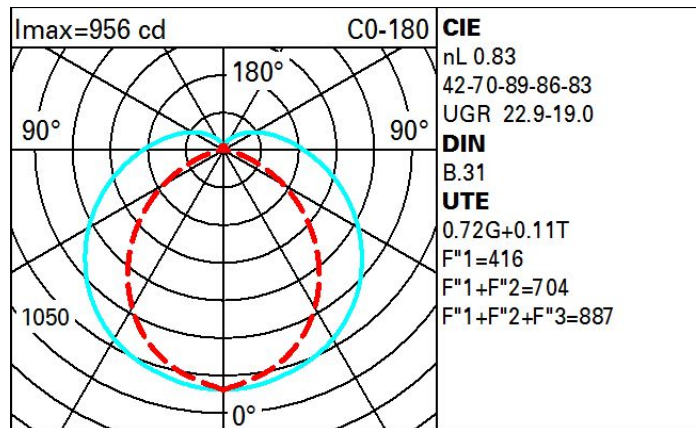
1.07

Complies with EN60598-1 and pertinent regulations

Technical data

Im system:	3486	Lamp code:	LED
W system:	29	Number of lamps for optical assembly:	1
Im source:	4200	ZVEI Code:	LED
W source:	26	Number of optical assemblies:	1
Luminous efficiency (Im/W, real value):	120.2	Intervall temperatura ambiente:	from -20°C to 35°C.
Im in emergency mode:	-	Power factor:	See installation instructions
Total light flux at or above an angle of 90° [Lm]:	481	Inrush current:	53 A / 200 µs
Light Output Ratio (L.O.R.) [%]:	83	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 8 luminaires B16A: 13 luminaires C10A: 13 luminaires C16A: 22 luminaires
CRI (minimum):	80	Minimum dimming %:	1
Colour temperature [K]:	3000	Overvoltage protection:	2kV Common mode & 1kV Differential mode
MacAdam Step:	3	Control:	DALI-2
Life Time LED 1:	50,000h - L80 - B10 (Ta 25°C)		

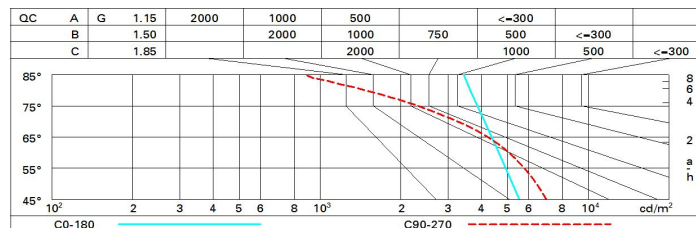
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	50	41	34	30	38	33	31	25	35
1.0	55	46	40	35	44	38	37	30	41
1.5	63	56	50	45	53	48	45	38	53
2.0	68	62	57	52	58	54	51	44	62
2.5	71	66	61	57	62	58	55	48	67
3.0	73	69	64	61	65	61	58	51	72
4.0	76	72	69	66	68	65	62	55	77
5.0	78	74	71	69	70	68	64	58	80

Luminance curve limit



UGR diagram

Corrected UGR values (at 4200 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	0.30
		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30	0.30
		0.20	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	17.5	18.6	18.1	19.1	19.7	16.1	17.1	16.6	17.7	18.2	18.2
	3H	19.5	20.5	20.0	21.0	21.6	16.6	17.6	17.2	18.1	18.7	18.7
	4H	20.4	21.3	21.0	21.9	22.5	16.9	17.8	17.4	18.3	19.0	19.0
	6H	21.3	22.2	21.9	22.7	23.4	17.0	17.9	17.6	18.4	19.1	19.1
	8H	21.8	22.6	22.3	23.2	23.8	17.1	17.9	17.7	18.5	19.1	19.1
	12H	22.2	23.0	22.8	23.6	24.2	17.1	17.8	17.7	18.4	19.1	19.1
4H	2H	18.0	18.9	18.6	19.5	20.1	17.2	18.1	17.7	18.6	19.3	19.3
	3H	20.2	20.9	20.8	21.5	22.2	17.9	18.7	18.6	19.3	20.0	20.0
	4H	21.2	21.9	21.9	22.6	23.3	18.4	19.1	19.0	19.7	20.4	20.4
	6H	22.3	23.0	23.0	23.6	24.3	18.8	19.5	19.5	20.1	20.8	20.8
	8H	22.9	23.4	23.5	24.1	24.8	19.0	19.6	19.7	20.2	21.0	21.0
	12H	23.4	23.9	24.0	24.6	25.3	19.1	19.7	19.8	20.3	21.1	21.1
8H	4H	21.5	22.0	22.1	22.7	23.4	18.6	19.2	19.3	19.8	20.6	20.6
	6H	22.8	23.2	23.4	23.9	24.7	19.2	19.7	19.9	20.4	21.2	21.2
	8H	23.4	23.8	24.1	24.5	25.3	19.6	20.1	20.3	20.7	21.5	21.5
	12H	24.1	24.5	24.8	25.2	26.0	20.0	20.4	20.7	21.1	21.9	21.9
12H	4H	21.4	22.0	22.1	22.6	23.4	18.6	19.1	19.3	19.8	20.5	20.5
	6H	22.8	23.2	23.5	23.9	24.7	19.3	19.7	20.0	20.4	21.2	21.2
	8H	23.5	23.9	24.2	24.6	25.4	19.7	20.1	20.4	20.8	21.6	21.6
Variations with the observer position at spacing:												
S =		1.0H	0.1 / -0.1		0.1 / -0.1							
		1.5H	0.2 / -0.2		0.2 / -0.4							
		2.0H	0.2 / -0.3		0.5 / -0.7							

Last information update: October 2024

Product configuration: 6796+9400.15+9401.15

6796: Diffused light luminaire - Warm LED - Electronic Control Gear - Emergency
9400.15: Pair of plastic brackets for ceiling/wall application - plastic material for ceiling/wall application - Grey
9401.15: 5-pole power supply strip - Grey



Product code

6796: Diffused light luminaire - Warm LED - Electronic Control Gear - Emergency

Technical description

Diffused light luminaire, designed to use LED lamps. Anti UV-treated, polycarbonate, external body and end caps with a ribbed finish to contain any dazzle from direct light. The double cable gland provided allows max 15.5 mm Ø electric cables to be used. The end caps can be released using the stainless steel clips, so scheduled maintenance is tool-free. Includes an emergency lighting option - 3 hours autonomy.

Installation

Horizontal or vertical, single or double pendant / surface (wall and ceiling) installation. For these various types of installation use the optional kits supplied.

Colour
Clear transparent (24)

Weight (Kg)
3.65

Mounting

wall surface|ceiling surface|ceiling pendant

Wiring

Electronic control gear integrated in the luminaire. Mains connection made with quick coupling terminal blocks. Includes an emergency lighting option, complete with inverter and rechargeable battery unit. Permanent emergency light: 3 hours autonomy with a 24 hour recharge cycle.

Complies with EN60598-1 and pertinent regulations



Accessory code

9400.15: Pair of plastic brackets for ceiling/wall application - plastic material for ceiling/wall application - Grey

Colour
Grey (15)

Weight (Kg)
0.07

Complies with EN60598-1 and pertinent regulations



Accessory code

9401.15: 5-pole power supply strip - Grey

Colour
Grey (15)

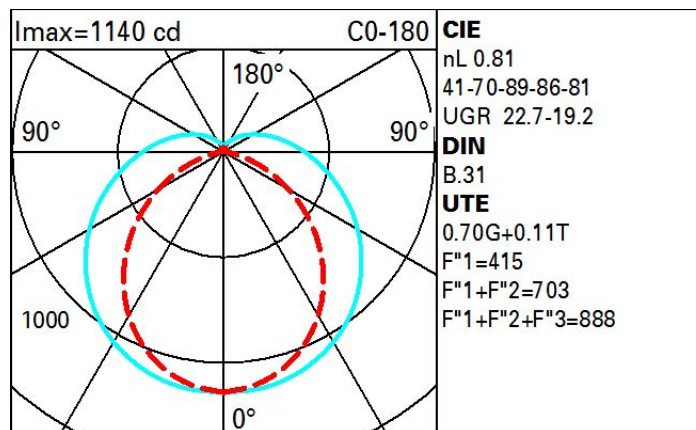
Weight (Kg)
1.07

Complies with EN60598-1 and pertinent regulations

Technical data

Im system:	4253	Colour temperature [K]:	3000
W system:	36.2	MacAdam Step:	3
Im source:	5250	Life Time LED 1:	50,000h - L80 - B10 (Ta 25°C)
W source:	32	Lamp code:	LED
Luminous efficiency (Im/W, real value):	117.5	Number of lamps for optical assembly:	1
Im in emergency mode:	430	ZVEI Code:	LED
Total light flux at or above an angle of 90° [Lm]:	590	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	81	Intervalllo temperatura ambiente:	from -20°C to 35°C.
CRI (minimum):	80		

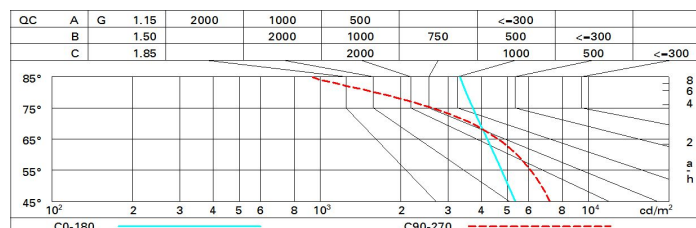
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	49	40	34	29	37	32	31	24	35
1.0	54	45	39	34	43	37	36	29	41
1.5	62	54	49	44	51	46	44	37	53
2.0	66	60	55	51	57	53	50	43	62
2.5	69	64	60	56	60	57	54	47	67
3.0	71	67	63	59	63	60	57	50	71
4.0	74	70	67	64	66	64	60	54	77
5.0	76	73	70	67	69	66	63	56	80

Luminance curve limit



UGR diagram

Corrected UGR values (at 5250 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	17.4	18.5	17.9	19.0	19.6	16.3	17.4	16.8	17.9	18.4
	3H	19.3	20.3	19.9	20.8	21.4	16.8	17.8	17.3	18.3	18.9
	4H	20.2	21.2	20.8	21.7	22.3	17.0	17.9	17.6	18.5	19.1
	6H	21.1	22.0	21.7	22.6	23.2	17.2	18.0	17.7	18.6	19.2
	8H	21.6	22.4	22.2	23.0	23.6	17.2	18.0	17.8	18.6	19.3
	12H	22.0	22.8	22.6	23.4	24.0	17.2	18.0	17.8	18.6	19.3
4H	2H	17.9	18.8	18.5	19.4	20.0	17.5	18.4	18.1	19.0	19.6
	3H	20.0	20.8	20.6	21.4	22.1	18.2	19.0	18.8	19.6	20.3
	4H	21.1	21.8	21.7	22.4	23.1	18.6	19.3	19.2	19.9	20.7
	6H	22.2	22.8	22.8	23.5	24.2	19.0	19.7	19.7	20.3	21.0
	8H	22.7	23.3	23.4	23.9	24.7	19.2	19.8	19.9	20.4	21.2
	12H	23.2	23.7	23.9	24.4	25.2	19.3	19.9	20.0	20.5	21.3
8H	4H	21.3	21.9	22.0	22.6	23.3	18.9	19.4	19.5	20.1	20.8
	6H	22.6	23.1	23.3	23.8	24.6	19.5	20.0	20.2	20.6	21.4
	8H	23.3	23.7	24.0	24.4	25.2	19.8	20.3	20.5	21.0	21.7
	12H	24.0	24.3	24.7	25.1	25.9	20.2	20.6	20.9	21.3	22.1
12H	4H	21.3	21.9	22.0	22.5	23.3	18.8	19.4	19.5	20.0	20.8
	6H	22.7	23.1	23.4	23.8	24.6	19.5	19.9	20.2	20.6	21.4
	8H	23.4	23.8	24.1	24.5	25.3	19.9	20.3	20.6	21.0	21.8
Variations with the observer position at spacing:											
S =		1.0H	0.1 / -0.1		0.1 / -0.1						
		1.5H	0.2 / -0.2		0.2 / -0.4						
		2.0H	0.2 / -0.3		0.5 / -0.7						

Product configuration: QM01

QM01: Ø597mm - warm white - Microprismatic - DALI



Product code

QM01: Ø597mm - warm white - Microprismatic - DALI

Technical description

Round luminaire for ceiling-mounted installation with option of recessed or pendant installation via an accessory to be ordered separately. Direct emission designed to use warm white 3000K LED lamps. The optical assembly consists of an extruded painted aluminium frame, a satin finish methacrylate diffuser screen for UGR<19 3000cd/m2 light emission and a sheet metal rear closing plate. The driver is housed in the upper part of the product.

Installation

Ceiling-mounted. Recessed or pendant-mounted using an accessory to be ordered separately.

Colour

White (01) | Black (04)

Weight (Kg)

7.5

Mounting

mounting
wall surface ceiling surface

Wiring

Product complete with electronic components. The electrical cables used are made of a "halogen free" material. (This means that the cables do not contain any halogen materials that in the event of a fire do not emit toxic or corrosive gases and only a small quantity of opaque fumes).

Notes

TPb rated

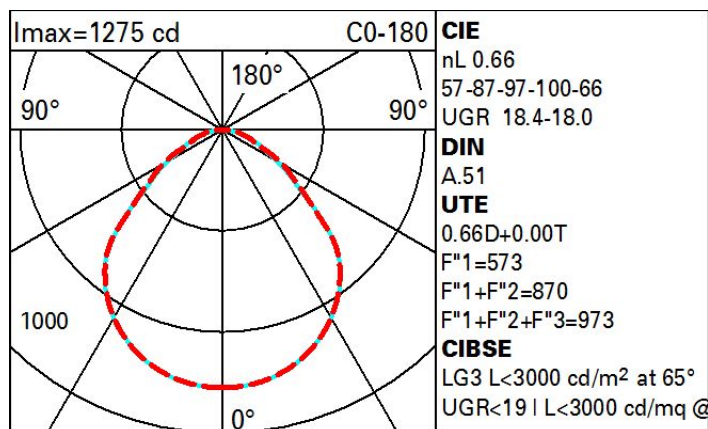
Complies with EN60598-1 and pertinent regulations



Technical data

Im system:	2970	Colour temperature [K]:	3000
W system:	29.4	MacAdam Step:	3
Im source:	4500	Life Time LED 1:	50,000h - L80 - B10 (Ta 25°C)
W source:	27	Lamp code:	LED
Luminous efficiency (lm/W, real value):	101	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.) [%]:	66	Control:	DALI-2
CRI (minimum):	90		

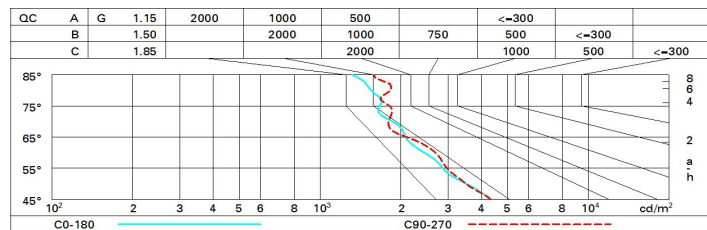
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	46	40	36	32	39	35	35	31	47
1.0	51	45	41	37	44	40	40	36	54
1.5	57	52	49	46	51	48	47	44	66
2.0	61	57	54	52	56	53	52	49	74
2.5	63	60	57	55	59	56	56	52	79
3.0	64	62	60	58	60	59	58	55	83
4.0	66	64	62	61	63	61	60	57	87
5.0	67	65	64	62	64	63	61	59	89

Luminance curve limit



UGR diagram

Corrected UGR values (at 4500 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	16.1	17.1	16.4	17.4	17.6	16.0	17.1	16.3	17.3	17.6
	3H	16.9	17.8	17.2	18.1	18.4	16.3	17.2	16.6	17.5	17.8
	4H	17.2	18.1	17.5	18.4	18.7	16.4	17.2	16.7	17.5	17.9
	6H	17.5	18.3	17.8	18.6	19.0	16.4	17.2	16.7	17.5	17.8
	8H	17.6	18.4	18.0	18.7	19.1	16.3	17.1	16.7	17.5	17.8
	12H	17.6	18.4	18.0	18.7	19.1	16.3	17.1	16.7	17.4	17.8
4H	2H	16.4	17.3	16.8	17.6	17.9	17.2	18.1	17.5	18.4	18.7
	3H	17.4	18.2	17.8	18.5	18.9	17.6	18.4	18.0	18.7	19.1
	4H	17.9	18.5	18.3	18.9	19.3	17.8	18.5	18.2	18.9	19.3
	6H	18.3	18.9	18.7	19.3	19.7	18.0	18.5	18.4	18.9	19.4
	8H	18.4	19.0	18.9	19.4	19.9	18.0	18.5	18.4	19.0	19.4
	12H	18.5	19.0	19.0	19.5	19.9	18.0	18.5	18.5	18.9	19.4
8H	4H	18.0	18.6	18.5	19.0	19.5	18.5	19.0	18.9	19.4	19.9
	6H	18.6	19.1	19.1	19.5	20.0	18.7	19.2	19.2	19.6	20.1
	8H	18.9	19.3	19.4	19.7	20.2	18.8	19.2	19.3	19.7	20.2
	12H	19.0	19.4	19.6	19.9	20.4	18.9	19.2	19.4	19.7	20.3
12H	4H	18.0	18.5	18.5	19.0	19.4	18.6	19.1	19.1	19.5	20.0
	6H	18.7	19.1	19.2	19.5	20.0	18.9	19.3	19.4	19.8	20.3
	8H	19.0	19.3	19.5	19.8	20.3	19.0	19.4	19.5	19.9	20.4
Variations with the observer position at spacing:											
S =	1.0H	0.3 / -0.3					0.3 / -0.3				
	1.5H	0.5 / -0.9					0.6 / -0.8				
	2.0H	1.1 / -1.2					1.1 / -1.3				

Product configuration: QM02

QM02: Ø887mm - neutral white - Microprismatic - DALI



QM02: Ø887mm - neutral white - Microprismatic - DALI

Round luminaire for ceiling-mounted installation with option of recessed or pendant installation via an accessory to be ordered separately. Direct emission designed to use neutral white 4000K LED lamps. The optical assembly consists of an extruded painted aluminium frame, a satin finish methacrylate diffuser screen for UGR<19 3000cd/m2 light emission and a sheet metal rear closing base. The driver is housed in the upper part of the product.

Ceiling-mounted. Recessed or pendant-mounted using an accessory to be ordered separately.

Colour
White (01) | Black (04)

Weight (Kg)	14.1
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mounting
wall surface ceiling surface

Product complete with electronic components. The electrical cables used are made of a "halogen free" material. (This means that the cables do not contain any halogen materials that in the event of a fire do not emit toxic or corrosive gases and only a small quantity of opaque fumes).

TPb rated

Complies with EN60598-1 and pertinent regulations



Im system:	7279	Colour temperature [K]:	4000
W system:	60.2	MacAdam Step:	3
Im source:	10550	Life Time LED 1:	50,000h - L80 - B10 (Ta 25°C)
W source:	56	Lamp code:	LED
Luminous efficiency (Im/W, real value):	120.9	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		

Imax=3095 cd **C0-180**

CIE
 nL 0.69
 57-87-97-100-69
 UGR 18.9-18.4

DIN
 A.51

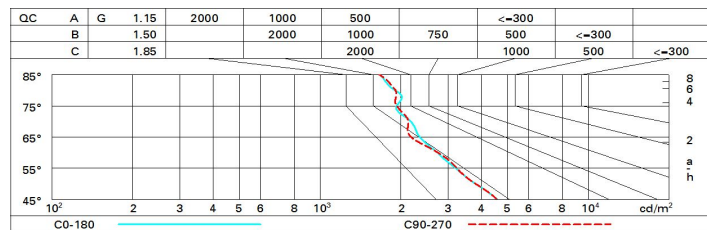
UTE
 0.69D+0.00T
 F"1=567
 F"1+F"2=866
 F"1+F"2+F"3=972

CIBSE
 LG3 L<3000 cd/m² at 65°
 UGR<19 | L<3000 cd/mq @

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	48	42	37	34	41	37	36	32	46
1.0	53	47	42	39	46	42	41	37	54
1.5	60	55	51	48	53	50	49	45	66
2.0	63	59	56	54	58	55	55	51	74
2.5	66	62	60	57	61	59	58	54	79
3.0	67	65	62	60	63	61	60	57	82
4.0	69	67	65	63	65	64	63	60	86
5.0	70	68	67	65	67	65	64	61	89

Luminance curve limit

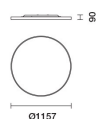


UGR diagram

Corrected UGR values (at 10550 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	16.3	17.4	16.7	17.7	17.9	16.4	17.4	16.7	17.7	18.0
	3H	17.2	18.1	17.5	18.4	18.7	16.7	17.6	17.0	17.9	18.2
	4H	17.5	18.4	17.9	18.7	19.1	16.7	17.6	17.1	17.9	18.3
	6H	17.9	18.7	18.2	19.0	19.4	16.7	17.6	17.1	17.9	18.2
	8H	18.0	18.8	18.4	19.1	19.5	16.7	17.5	17.1	17.9	18.2
	12H	18.1	18.8	18.5	19.2	19.6	16.7	17.5	17.1	17.8	18.2
4H	2H	16.7	17.6	17.1	17.9	18.2	17.5	18.4	17.9	18.7	19.1
	3H	17.8	18.5	18.1	18.9	19.2	18.0	18.8	18.4	19.1	19.5
	4H	18.2	18.9	18.6	19.3	19.7	18.2	18.9	18.6	19.3	19.7
	6H	18.7	19.3	19.1	19.7	20.1	18.4	19.0	18.8	19.4	19.8
	8H	18.9	19.4	19.3	19.8	20.3	18.4	19.0	18.9	19.4	19.8
	12H	19.0	19.5	19.4	19.9	20.4	18.4	18.9	18.9	19.4	19.8
8H	4H	18.4	18.9	18.8	19.4	19.8	18.9	19.4	19.3	19.8	20.3
	6H	19.0	19.4	19.5	19.9	20.4	19.1	19.6	19.6	20.0	20.5
	8H	19.2	19.6	19.7	20.1	20.6	19.3	19.7	19.8	20.1	20.6
	12H	19.4	19.8	19.9	20.3	20.8	19.4	19.7	19.9	20.2	20.7
12H	4H	18.4	18.9	18.9	19.3	19.8	19.0	19.5	19.4	19.9	20.4
	6H	19.0	19.4	19.5	19.9	20.4	19.3	19.7	19.8	20.2	20.7
	8H	19.3	19.7	19.8	20.1	20.7	19.5	19.8	20.0	20.3	20.8
Variations with the observer position at spacing:											
S =	1.0H	0.3 / -0.3					0.3 / -0.3				
	1.5H	0.5 / -0.8					0.5 / -0.8				
	2.0H	1.0 / -1.1					1.0 / -1.1				

Product configuration: QL79

QL79: Ø1157mm - Neutral White - Opal - DALI



QL79: Ø1157mm - Neutral White - Opal - DALI

Round luminaire for ceiling-mounted installation with option of recessed or pendant installation via an accessory to be ordered separately. Up/down emission designed to use Neutral White 4000K LED lamps. The optical assembly consists of an extruded painted aluminium frame, a satin finish methacrylate diffuser screen for general light emission and a sheet metal rear closing base. The driver is housed in the upper part of the product.

Ceiling-mounted. Recessed or pendant-mounted using an accessory to be ordered separately.

Weight (Kg)
20

wall surface|ceiling surface

Product complete with electronic components. The electrical cables used are made of a "halogen free" material. (This means that the cables do not contain any halogen materials that in the event of a fire do not emit toxic or corrosive gases and only a small quantity of opaque fumes).

Complies with EN60598-1 and pertinent regulations



Im system:	22854	Colour temperature [K]:	4000
W system:	167.6	MacAdam Step:	3
Im source:	29300	Life Time LED 1:	50,000h - L90 - B10 (Ta 25°C)
W source:	156	Lamp code:	LED
Luminous efficiency (lm/W, real value):	136.4	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]:	370	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	78	Control:	DALI-2
CRI (minimum):	80		

Imax=7821 cd

90° 180° 90°

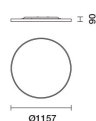
7500

0°

CIE
nL 0.78
47-78-95-98-78
UGR 23.5-22.9
DIN
A.43
UTE
0.77E+0.01T
F"1=468
F"1+F"2=782
F"1+F"2+F"3=953

Product configuration: QL98

QL98: Ø1157mm - warm white - Microprismatic - DALI



Product code

QL98: Ø1157mm - warm white - Microprismatic - DALI

Technical description

Round luminaire for ceiling-mounted installation with option of recessed or pendant installation via an accessory to be ordered separately. Up/down emission designed to use warm white 3000K LED lamps. The optical assembly consists of an extruded painted aluminium frame, a satin finish methacrylate diffuser screen for UGR<19 3000cd/m2 light emission and a sheet metal rear closing base. The driver is housed in the upper part of the product.

Installation

Installation: Ceiling-mounted. Recessed or pendant-mounted using an accessory to be ordered separately.

Colour

White (01) | Black (04)

Weight (Kg)

23.7

Mounting

mounting
wall surface ceiling surface

Wiring

Product complete with electronic components. The electrical cables used are made of a "halogen free" material. (This means that the cables do not contain any halogen materials that in the event of a fire do not emit toxic or corrosive gases and only a small quantity of opaque fumes).

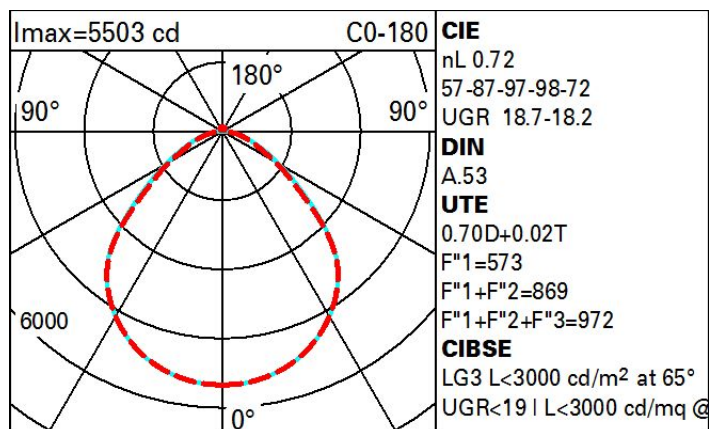
Complies with EN60598-1 and pertinent regulations



Technical data

Im system:	13104	Colour temperature [K]:	3000
W system:	103.9	MacAdam Step:	3
Im source:	18200	Life Time LED 1:	50,000h - L90 - B10 (Ta 25°C)
W source:	95	Lamp code:	LED
Luminous efficiency (Im/W, real value):	126.1	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]:	282	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	72	Control:	DALI-2
CRI (minimum):	80		

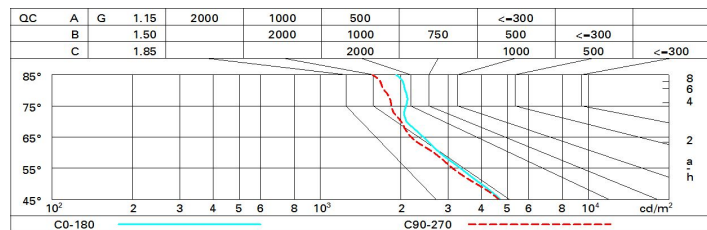
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	50	43	39	35	42	38	37	33	47
1.0	55	49	44	40	47	43	43	38	54
1.5	62	57	53	50	55	52	51	47	66
2.0	66	62	58	56	60	57	56	52	74
2.5	68	65	62	60	63	61	60	56	79
3.0	70	67	64	62	65	63	62	58	83
4.0	72	69	67	66	67	66	64	61	87
5.0	73	71	69	68	69	67	66	63	89

Luminance curve limit



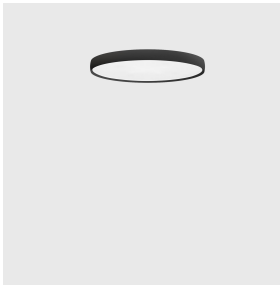
UGR diagram

Corrected UGR values (at 18200 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	16.2	17.3	16.6	17.6	17.9	16.2	17.2	16.5	17.5	17.8
	3H	17.0	18.0	17.4	18.3	18.6	16.5	17.4	16.8	17.7	18.1
	4H	17.4	18.3	17.8	18.6	19.0	16.5	17.4	16.9	17.7	18.1
	6H	17.8	18.6	18.2	18.9	19.3	16.5	17.3	16.9	17.7	18.1
	8H	17.9	18.7	18.3	19.1	19.5	16.5	17.3	16.9	17.7	18.1
	12H	18.0	18.8	18.5	19.2	19.6	16.5	17.2	16.9	17.6	18.0
4H	2H	16.6	17.4	17.0	17.8	18.1	17.3	18.2	17.7	18.5	18.9
	3H	17.6	18.3	18.0	18.7	19.1	17.8	18.5	18.2	18.9	19.3
	4H	18.0	18.7	18.5	19.1	19.6	18.0	18.6	18.4	19.0	19.5
	6H	18.5	19.1	19.0	19.5	20.0	18.1	18.7	18.6	19.1	19.6
	8H	18.7	19.3	19.2	19.7	20.2	18.2	18.7	18.6	19.1	19.6
	12H	18.9	19.4	19.4	19.8	20.3	18.2	18.6	18.7	19.1	19.6
8H	4H	18.2	18.7	18.7	19.2	19.7	18.6	19.1	19.1	19.6	20.0
	6H	18.8	19.3	19.3	19.7	20.3	18.9	19.3	19.4	19.8	20.3
	8H	19.1	19.5	19.6	20.0	20.5	19.0	19.4	19.5	19.9	20.4
	12H	19.3	19.6	19.9	20.2	20.7	19.1	19.4	19.6	20.0	20.5
12H	4H	18.2	18.7	18.7	19.2	19.7	18.7	19.2	19.2	19.6	20.1
	6H	18.9	19.2	19.4	19.7	20.3	19.0	19.4	19.6	19.9	20.5
	8H	19.2	19.5	19.7	20.0	20.6	19.2	19.5	19.8	20.1	20.6
Variations with the observer position at spacing:											
S =	1.0H	0.3 / -0.3					0.3 / -0.3				
	1.5H	0.5 / -0.8					0.5 / -0.9				
	2.0H	1.0 / -1.1					1.1 / -1.2				

Last information update: March 2025

Product configuration: QL65

QL65: Ø597mm - warm white - Opal - DALI

**Product code**

QL65: Ø597mm - warm white - Opal - DALI

Technical description

Round luminaire for ceiling-mounted installation with option of recessed or pendant installation via an accessory to be ordered separately. Direct emission designed to use warm white 3000K LED lamps. The optical assembly consists of an extruded painted aluminium frame, a satin finish methacrylate diffuser screen for general light emission and a sheet metal rear closing base. The driver is housed in the upper part of the product.

Installation

Ceiling-mounted. Recessed or pendant-mounted using an accessory to be ordered separately.

Colour

White (01) | Black (04)

Weight (Kg)

6.5

Mounting

wall surface/ceiling surface

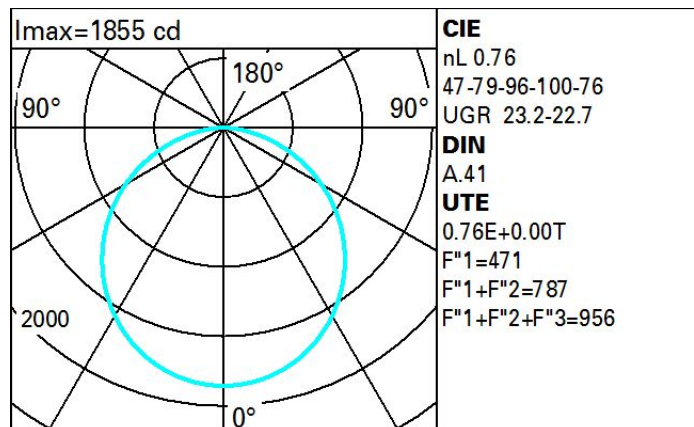
Wiring

Product complete with electronic components. The electrical cables used are made of a "halogen free" material. (This means that the cables do not contain any halogen materials that in the event of a fire do not emit toxic or corrosive gases and only a small quantity of opaque fumes).

Complies with EN60598-1 and pertinent regulations

**Technical data**

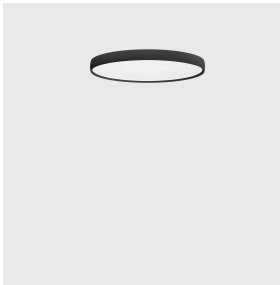
lm system:	5282	Colour temperature [K]:	3000
W system:	43.1	MacAdam Step:	3
lm source:	6950	Life Time LED 1:	50,000h - L90 - B10 (Ta 25°C)
W source:	39	Lamp code:	LED
Luminous efficiency (lm/W, real value):	122.6	Number of lamps for optical assembly:	1
lm in emergency mode:	-	ZVEI Code:	LED
Total light flux at or above an angle of 90° [Lm]:	0	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	76	Control:	DALI-2
CRI (minimum):	80		

Polar

Last information update: March 2025

Product configuration: QL65

QL65: Ø597mm - warm white - Opal - DALI

**Product code**

QL65: Ø597mm - warm white - Opal - DALI

Technical description

Round luminaire for ceiling-mounted installation with option of recessed or pendant installation via an accessory to be ordered separately. Direct emission designed to use warm white 3000K LED lamps. The optical assembly consists of an extruded painted aluminium frame, a satin finish methacrylate diffuser screen for general light emission and a sheet metal rear closing base. The driver is housed in the upper part of the product.

Installation

Ceiling-mounted. Recessed or pendant-mounted using an accessory to be ordered separately.

Colour

White (01) | Black (04)

Weight (Kg)

6.5

Mounting

wall surface/ceiling surface

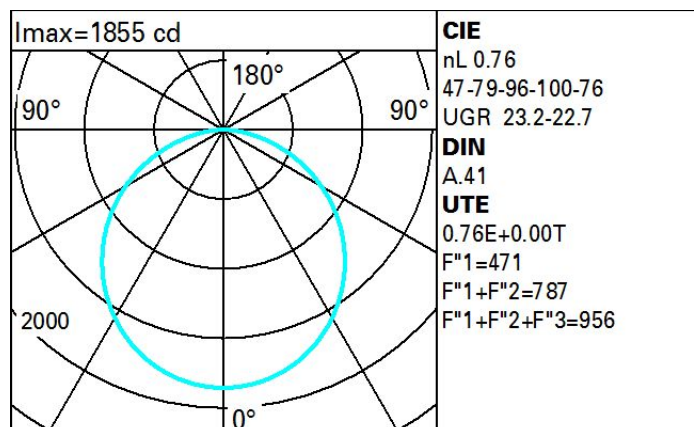
Wiring

Product complete with electronic components. The electrical cables used are made of a "halogen free" material. (This means that the cables do not contain any halogen materials that in the event of a fire do not emit toxic or corrosive gases and only a small quantity of opaque fumes).

Complies with EN60598-1 and pertinent regulations

**Technical data**

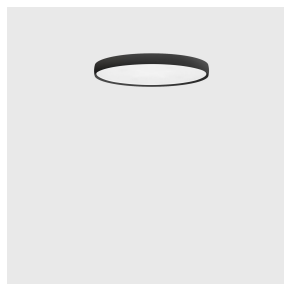
lm system:	5282	Colour temperature [K]:	3000
W system:	43.1	MacAdam Step:	3
lm source:	6950	Life Time LED 1:	50,000h - L90 - B10 (Ta 25°C)
W source:	39	Lamp code:	LED
Luminous efficiency (lm/W, real value):	122.6	Number of lamps for optical assembly:	1
lm in emergency mode:	-	ZVEI Code:	LED
Total light flux at or above an angle of 90° [Lm]:	0	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	76	Control:	DALI-2
CRI (minimum):	80		

Polar

Last information update: March 2025

Product configuration: QM01

QM01: Ø597mm - warm white - Microprismatic - DALI

**Product code**

QM01: Ø597mm - warm white - Microprismatic - DALI

Technical description

Round luminaire for ceiling-mounted installation with option of recessed or pendant installation via an accessory to be ordered separately. Direct emission designed to use warm white 3000K LED lamps. The optical assembly consists of an extruded painted aluminium frame, a satin finish methacrylate diffuser screen for UGR<19 3000cd/m2 light emission and a sheet metal rear closing base. The driver is housed in the upper part of the product.

Installation

Ceiling-mounted. Recessed or pendant-mounted using an accessory to be ordered separately.

Colour

White (01) | Black (04)

Weight (Kg)

7.5

Mounting

wall surface|ceiling surface

Wiring

Product complete with electronic components. The electrical cables used are made of a "halogen free" material. (This means that the cables do not contain any halogen materials that in the event of a fire do not emit toxic or corrosive gases and only a small quantity of opaque fumes).

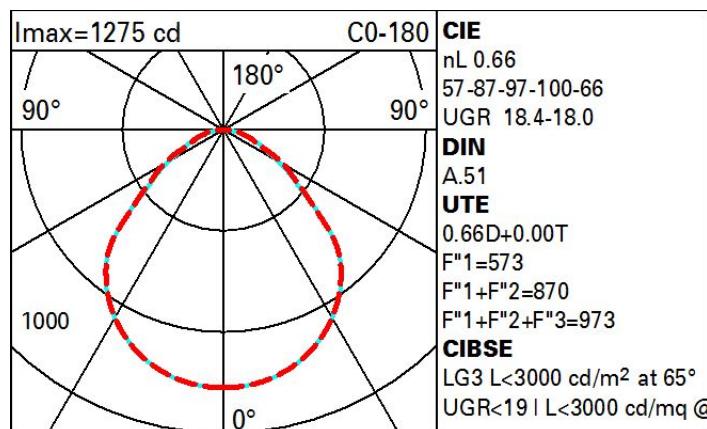
Notes

TPb rated

Complies with EN60598-1 and pertinent regulations

**Technical data**

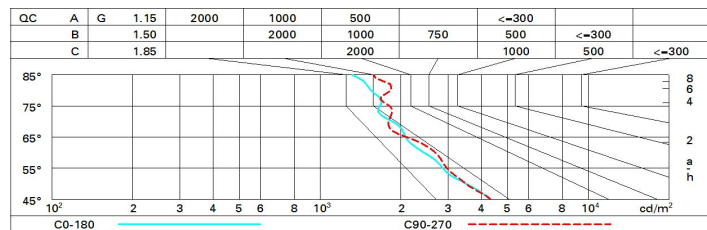
lm system:	2970	Colour temperature [K]:	3000
W system:	29.4	MacAdam Step:	3
lm source:	4500	Life Time LED 1:	50,000h - L80 - B10 (Ta 25°C)
W source:	27	Lamp code:	LED
Luminous efficiency (lm/W, 101 real value):		Number of lamps for optical assembly:	1
lm in emergency mode:	-	ZVEI Code:	LED
Total light flux at or above an angle of 90° [Lm]:	0	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	66	Control:	DALI-2
CRI (minimum):	90		

Polar

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	46	40	36	32	39	35	35	31	47
1.0	51	45	41	37	44	40	40	36	54
1.5	57	52	49	46	51	48	47	44	66
2.0	61	57	54	52	56	53	52	49	74
2.5	63	60	57	55	59	56	56	52	79
3.0	64	62	60	58	60	59	58	55	83
4.0	66	64	62	61	63	61	60	57	87
5.0	67	65	64	62	64	63	61	59	89

Luminance curve limit



UGR diagram

Corrected UGR values (at 4500 lm bare lamp luminous flux)											
Reflect.:											
ceiling/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	16.1	17.1	16.4	17.4	17.6	16.0	17.1	16.3	17.3	17.6
	3H	16.9	17.8	17.2	18.1	18.4	16.3	17.2	16.6	17.5	17.8
	4H	17.2	18.1	17.5	18.4	18.7	16.4	17.2	16.7	17.5	17.9
	6H	17.5	18.3	17.8	18.6	19.0	16.4	17.2	16.7	17.5	17.8
	8H	17.6	18.4	18.0	18.7	19.1	16.3	17.1	16.7	17.5	17.8
	12H	17.6	18.4	18.0	18.7	19.1	16.3	17.1	16.7	17.4	17.8
4H	2H	16.4	17.3	16.8	17.6	17.9	17.2	18.1	17.5	18.4	18.7
	3H	17.4	18.2	17.8	18.5	18.9	17.6	18.4	18.0	18.7	19.1
	4H	17.9	18.5	18.3	18.9	19.3	17.8	18.5	18.2	18.9	19.3
	6H	18.3	18.9	18.7	19.3	19.7	18.0	18.5	18.4	18.9	19.4
	8H	18.4	19.0	18.9	19.4	19.9	18.0	18.5	18.4	19.0	19.4
	12H	18.5	19.0	19.0	19.5	19.9	18.0	18.5	18.5	18.9	19.4
8H	4H	18.0	18.6	18.5	19.0	19.5	18.5	19.0	18.9	19.4	19.9
	6H	18.6	19.1	19.1	19.5	20.0	18.7	19.2	19.2	19.6	20.1
	8H	18.9	19.3	19.4	19.7	20.2	18.8	19.2	19.3	19.7	20.2
	12H	19.0	19.4	19.6	19.9	20.4	18.9	19.2	19.4	19.7	20.3
12H	4H	18.0	18.5	18.5	19.0	19.4	18.6	19.1	19.1	19.5	20.0
	6H	18.7	19.1	19.2	19.5	20.0	18.9	19.3	19.4	19.8	20.3
	8H	19.0	19.3	19.5	19.8	20.3	19.0	19.4	19.5	19.9	20.4
Variations with the observer position at spacing:											
S =	1.0H	0.3 / -0.3					0.3 / -0.3				
	1.5H	0.5 / -0.9					0.6 / -0.8				
	2.0H	1.1 / -1.2					1.1 / -1.3				