

# Lighting Tools Interior

Chapter 4  
Wall- and ceiling luminaires



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**Wall Luminaires**


Futurel® 5MS  
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Europlex® TC  
Mirror  
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Europlex® TC  
quarter sphere  
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CL Wall 10  
see section 10



CL Linear Wall  
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**Luminaires for Walls or Ceilings**


Europlex® TC  
round, convex  
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Europlex® TC  
round, flat  
Page 4.11



Europlex® TC  
round, flat  
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Europlex® TC  
square, flat  
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**Ceiling Luminaires**


Europlex®  
Page 4.16



EKU  
Page 4.22



CL Ceiling 10  
see section 10
























CL Linear Ceiling  
see section 10

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**Floorstanding Luminaires**


Futurel® 5MS  
see section 1



		Wall luminaires			Luminaires for walls or ceilings		
							
		Futurel® SMS Page 4.4	Europlex® TC Mirror Page 4.6	Europlex® TC quarter sphere Page 4.9	Europlex® TC convex Page 4.10	Europlex® TC round, flat Page 4.11	Europlex® TC Page 4.12
<b>Light source</b>							
	T16-R				40W/22+40W	40W/22+40W	55W
	TC-D			18W*	18/26W*		
	TC-DEL			18/26/32W	18/26W		
	TC-LEL	2x 55/80W	36W		18W	18W	18W
	TC-S				11W*	11W*	9/11W*
	TC-SEL				9/11W	11W	11W
	TC-TEL			26/32W			
	T16		14/24/39W				
	T26						
<b>Cover</b>	Glass		■	■			
	PMMA		■		■	■	■
<b>Protection rating</b>		IP20	IP44	IP40	IP44	IP44	IP65
<b>Insulation class</b>							

\* see [www.siteco.com](http://www.siteco.com) for this configuration and for luminaires with LLCG

Ceiling luminaires



Europlex® TC  
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Europlex®  
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Europlex®  
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18W			
9/11W*			
	18/36/58W	18/36/58W	18/36/58W
■	■	■	■
IP65	IP40/IP54	IP40/IP50	IP54
⏚	⏚	⏚	⏚



## Futurel® 5MS

The surface-mounted wall luminaires of the Futurel® 5MS family unite clear, striking forms with the patented ELDAICON® light control system. This creates homogenous distribution of light with a high, glare-free direct component. The balanced contrast creates a pleasant room atmosphere, and lighting that also fulfills standards for computer screen workstations. The luminaires of the Futurel® 5MS family adapt ideally both technically as well as optically to modern office environments with their light quality and high quality design.

- + uniform design for whole luminaire family of floorstanding and wall luminaires
- + timeless, slender design
- + for workplace oriented and zonal lighting solutions
- + glare-free direct component with use of transparent ELDAICON® microprismatic technology
- + energy efficiency with electronic ballasts and compact fluorescent lamps
- + glare value UGR < 16



### Housing

Housing of extruded aluminium, metallic grey coated (RAL 9006) | with translucent plastic profiles at both face ends, can be colour accented | ELDAICON® of PMMA

### Electrics

Luminaire wired ready for connection | with 3-pole terminal, max. 2.5mm<sup>2</sup> | with ECG | further electrical equipment on request

### Lighting technology

ELDAICON® technology: absolutely glare-free light control due to highly precise microprismatic structures

- with ELDAICON®, indirect/direct distribution, CAT2 (L ≤ 1000cd/m<sup>2</sup>) (incl. colour foils in colours: red, orange, green, blue, mocca)



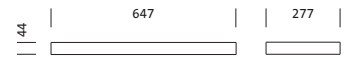
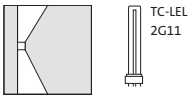
Floorstanding luminaires from this product family are specified in **section 1**



**Futurel® 5MS | with ELDAICON® | indirect/direct distribution**

Futurel® 5MS single luminaire for wall surface mounting | with ELDAICON®, indirect/direct distribution, CAT2 ( $L \leq 1000 \text{cd/m}^2$ ) | with ECG | housing of aluminium profile, metallic grey (RAL 9006) | translucent face ends, can be colour accented

Protection rating: IP20  
 Insulation class: I  
 (incl. colour foils for face ends in colours: red, orange, green, blue, mocca)

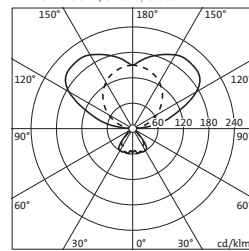


Lamps	Socket	Wt. (kg)	ECG Order No.
<b>metallic grey (RAL 9006), indirect/direct distribution</b>			
2x TC-LEL 55W	2G11	4.1	5MS43672UL0
2x TC-LEL 80W	2G11	4.1	5MS43677VL0

**5MS43672UL0**

2 x TC-LEL 55W/840  $\phi$  9600lm

$\eta_{\text{L8}}$  83.8%  $\phi_{\text{d}}$  14%  $\phi_{\text{r}}$  86%



**Luminance values (cd/m<sup>2</sup>)**

	--- C 0/180	--- C 90/270
L <sub>90</sub>	560	606
L <sub>70</sub>	758	643
L <sub>50</sub>	448	981



## Europlex® TC

The surface-mounted wall and ceiling luminaires of the Europlex® TC family with their IP 40 and IP44 protection ratings are suitable for a wide variety of applications. Various covers are available for the compact, diffuse distribution surface-mounted luminaires: convex, as quarter sphere or flat-circular. The opal diffuser optics of glass or PMMA create homogenous illumination and are fixed to the housing without visible catches to achieve an elegant overall appearance.



- + for a variety of uses, also for ancillary and special areas
- + pleasant room atmosphere and homogeneous illumination due to diffuse light distribution
- + energy efficiency with electronic ballasts and compact fluorescent lamps
- + compact construction with high-grade materials and high protection class

### Europlex® TC mirror luminaire

Flat housing of extruded aluminium, end caps of plastic, chrome or white to choice | opal cover of glass or PMMA | cover flush with housing on all sides without visible catches

### Europlex® TC quarter sphere

Flat sheet steel housing, white | glass enclosure as quarter sphere, opal | protruding enclosure without visible catches | according to version with wall shield of sheet steel, white, or with wall shield of matt anodised aluminium, or without wall shield

### Europlex® TC circular, cambered

#### Europlex® TC circular, flat

Flat sheet steel housing, white | cambered or flat cover of PMMA, opal | protruding cover without visible catches | according to version with wall shield of white sheet steel or matt anodised aluminium, or without wall shield

### Europlex® TC circular or square, flat with chamfered edge

Housing of white PC, with visible edge | flat, chamfered cover of opal PMMA | cover flush with housing, without visible catches

### Electrics

Luminaire wired ready for connection with 3-pole terminal, max. 1.5mm<sup>2</sup>

### Lighting technology

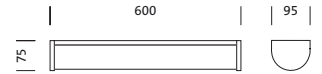
Opal cover, diffuse distribution for uniform illumination



**Europlex® TC mirror | with opal glass cover**

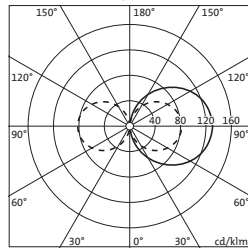
Europlex® TC mirror luminaire for wall surface mounting | with opal cover, diffuse distribution | with ECG | housing of extruded aluminium; end cap optionally chrome or white; cover of glass

Protection rating: IP44  
Insulation class: I



Lamps	Socket	Wt. (kg)	ECC Order No.
<b>design end cap, white</b>			
1x T16 14W	G5	1.7	5MD85471M1
1x T16 24W	G5	1.8	5MD85471Y1
1x TC-LEL 36W	2G11	2.2	5MD85471W1
<b>design end cap, chrome-plated</b>			
1x T16 14W	G5	1.8	5MD85471M3
1x T16 24W	G5	1.8	5MD85471Y3
1x TC-LEL 36W	2G11	1.8	5MD85471W3

5MD85471Y3  
1 x T16 24W/840  $\phi$  1750 lm  $\eta_{lm}$  72.3%

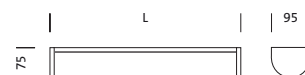




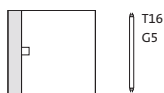
**Europlex® TC mirror | with opal PMMA cover**

Europlex® TC mirror luminaire for wall surface mounting | with opal cover, diffuse distribution | with ECG | housing of extruded aluminium; end cap chrome or white; cover of PMMA

Protection rating: IP44  
Insulation class: I

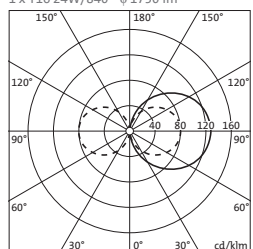


	L
1xT16 14W	600
1xT16 24W	600
1xT16 39W	1000



Lamps	Socket	Wt. (kg)	ECC Order No.
<b>design end cap, white</b>			
1x T16 14W	G5	1.4	5MD81471M1
1x T16 24W	G5	1.3	5MD81471Y1
1x T16 39W	G5	2.3	5MD82471K1
<b>design end cap, chrome-plated</b>			
1x T16 14W	G5	1.5	5MD81471M3
1x T16 24W	G5	1.3	5MD81471Y3
1x T16 39W	G5	2.1	5MD82471K3

5MD81471Y3  
1 x T16 24W/840  $\phi$  1750 lm  $\eta_{lm}$  70.9%



**Europlex® TC mirror luminaire Spare Parts**



**Optical enclosure**  
**glass or PMMA**  
for Europlex® TC mirror luminaire

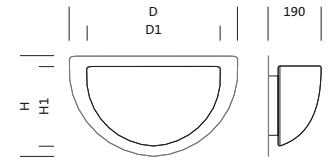
Type	for series	L (mm)	Wt. (kg)	Order No.
Optical enclosure-glass	5MD85...	600	1.0	5MD859010W
Optical enclosure-PMMA	5MD81...	600	0.4	5MD819010W
Optical enclosure-PMMA	5MD82...	1000	0.8	5MD829020W



**Europlex® TC quarter sphere | with opal cover**

Europlex® TC for wall surface mounting | with opal cover, diffuse distribution | with ECG | housing of sheet steel, white; cover of glass; according to version with wall shield of sheet steel, white; with wall shield of matt anodised aluminium, or without wall shield

Protection rating: IP40  
Insulation class: I



	D	D1	H	H1
TC-DEL 18W		350		178
TC-DEL 18W	410	350	250	178
TC-DEL/TC-TEL 26/32W	410	350	250	178

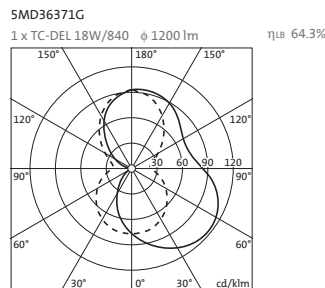


Lamps	Socket	Wt. (kg)	ECG Multiwatt Order No.
<b>with wall shield, aluminium, natural</b>			
1x TC-DEL/TC-TEL 26/32W	G/GX24q-3	1.9	5MD36371V2

<b>with wall shield, sheet steel, coated white</b>			
1x TC-DEL/TC-TEL 26/32W	G/GX24q-3	3.5	5MD36371V1

Lamps	Socket	Wt. (kg)	ECG Order No.
<b>with wall shield, sheet steel, coated white</b>			
2x TC-DEL 18W	G24q-2	1.9	5MD36372G1

<b>without wall shield</b>			
1x TC-DEL 18W	G24q-2	2.7	5MD36371G
2x TC-DEL 18W	G24q-2	3.2	5MD36372G

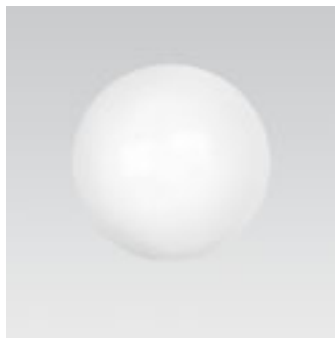


**Europlex® TC quarter sphere Spare Parts**



**Optical enclosure**  
**Glass**  
for Europlex® TC quarter sphere

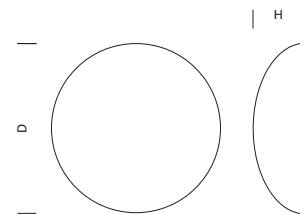
Type	for series	Wt. (kg)	Order No.
Optical enclosure	5MD363...	2.4	5MD369020W



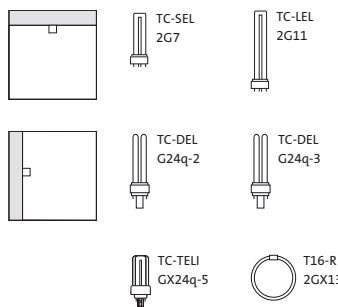
**Europlex® TC with cambered cover | opal**

Europlex® TC for wall or ceiling surface mounting | with cambered opal cover, diffuse distribution | with ECG | housing of sheet steel, white; cover of PMMA

Protection rating: IP44  
Insulation class: I

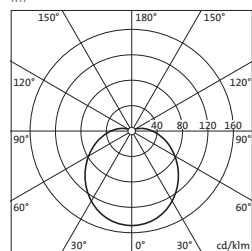


	D	H
1xTC-DEL 18W	270	110
1xT16-R 22+40W	390	110
1xT16-R 22+40W	500	120
1xT16-R 40W	390	110
1xT16-R 40W	500	120
1xTC-TELI 57W	390	110
1xTC-TELI 57W	500	120
2xTC-SEL 11W	390	110
2xTC-LEL 18W	390	110
2xTC-DEL 26W	390	110
2xTC-DEL 26W	500	120



Lamps	Socket	Lamps 2	Socket 2	D (mm)	Wt. (kg)	ECG Order No.
2x TC-SEL 11W	2G7			390	2.0	5MD12472S
2x TC-LEL 18W	2G11			390	1.8	5MD12372T
1x TC-DEL 18W	G24q-2			270	0.6	5MD11371G
2x TC-DEL 26W	G24q-3			390	1.7	5MD12472H
2x TC-DEL 26W	G24q-3			500	2.7	5MD13472H
1x TC-TELI (I = Amalgam) 57W	GX24q-5			500	2.0	5MD13471P
1x T16-R 40W	2GX13			390	1.6	5MD12471D
1x T16-R 40W	2GX13	1x T16-R 22W	2GX13	390	2.5	5MD12475D
1x T16-R 40W	2GX13			500	2.6	5MD13471D
1x T16-R 40W	2GX13	1x T16-R 22W	2GX13	500	2.4	5MD13475D

5MD13471P  
1 x TC-TELI 57W/840 (Amalgam)  $\phi$  4300  $\eta_{lm}$  58.3%  
lm

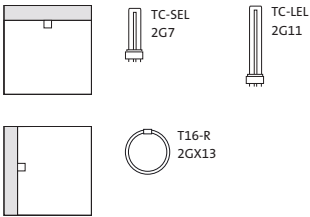
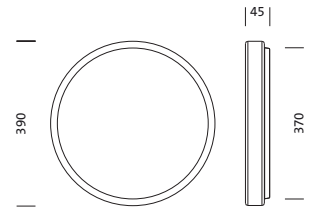




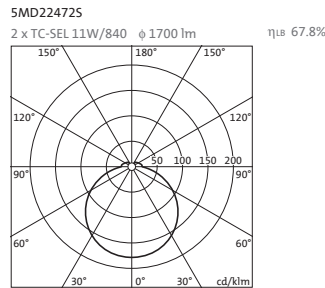
**Europlex® TC with flat cover | opal**

Europlex® TC for wall or ceiling surface mounting | with flat opal cover, diffuse distribution | with ECG | housing of sheet steel, white; cover of PMMA

Protection rating: IP44  
Insulation class: I



Lamps	Socket	Lamps 2	Socket 2	Wt. (kg)	ECG Order No.
2x TC-SEL 11W	2G7			1.6	5MD22472S
2x TC-LEL 18W	2G11			1.9	5MD22372T
1x T16-R 40W	2GX13			1.6	5MD22471D
1x T16-R 40W	2GX13	1x T16-R 22W	2GX13	1.9	5MD22475D



**Europlex® TC Accessories/Spare Parts**



**Decorative ring**  
white or aluminium, matt anodised

for series	D (mm)	Wt. (kg)	Order No.
<b>Decorative ring, aluminium, matt</b>			
5MD11... (luminaire with D= 270mm)	325	0.2	5MD1990102
5MD12... (luminaire with D= 390mm)	445	0.2	5MD1990202
5MD13... (luminaire with D= 500mm)	556	0.2	5MD1990302
<b>Decorative ring, white</b>			
5MD11... (luminaire with D= 270mm)	325	0.2	5MD1990101
5MD12... (luminaire with D= 390mm)	445	0.2	5MD1990201
5MD13... (luminaire with D= 500mm)	556	0.2	5MD1990301



**Optical enclosure**  
PMMA  
for Europlex® TC cambered and Europlex® TC flat

Type	for series	D (mm)	Wt. (kg)	Order No.
Optical enclosure	5MD11...	270	0.3	5MD119010W
Optical enclosure	5MD12...	390	0.7	5MD119020W
Optical enclosure	5MD13...	500	1.1	5MD119030W
Optical enclosure	5MD22...	390	0.8	5MD229020W

## Europlex® TC, IP65

The diffuser luminaires of the Europlex® TC family are suitable for use in damp and wet areas as well as covered outdoor areas with their high quality construction and IP65 protection rating. A flat square and a flat round PMMA enclosure are available for the compact, diffuse distribution surface-mounted luminaire.

The opal diffuser optics create a homogenous illumination and are fixed to the housing without visible catches.



### Housing

Housing of white PC | flat, chamfered enclosure of opal PMMA | housing with visible edge, enclosure flush with housing, without visible catches

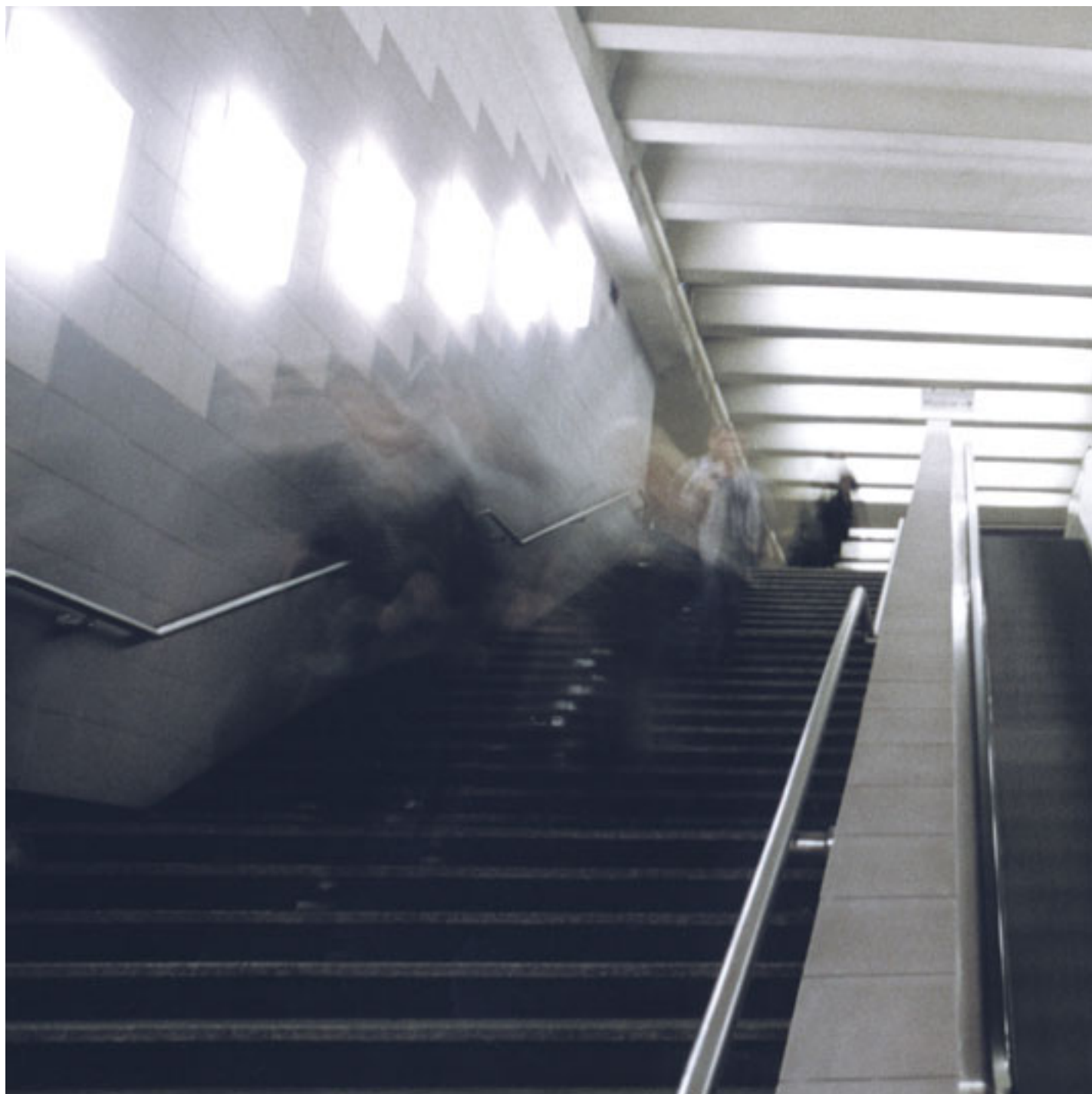
### Lighting technology

Opal, flat cover, diffuse distribution for homogeneous illumination

### Electrics

Luminaires wired ready for connection | with 3-pole connection terminal, max. 1.5mm<sup>2</sup>





- + for a variety of uses in dry and damp ancillary and special areas
- + pleasant room atmosphere and homogeneous illumination due to diffuse light distribution
- + energy efficiency with electronic ballasts and compact fluorescent lamps
- + compact construction with high-grade materials and high protection class
- + minimised construction height allows use in compact spaces

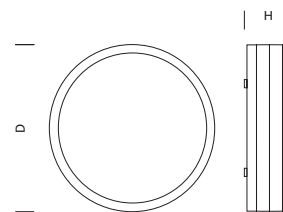




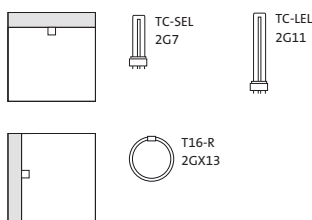
**Europlex® TC, round, with flat chamfered cover | opal**

Europlex® TC for wall or ceiling surface mounting | with flat opal cover, diffuse distribution | with ECG | housing of PC, white; cover of PMMA

Protection rating: IP65  
Insulation class: I

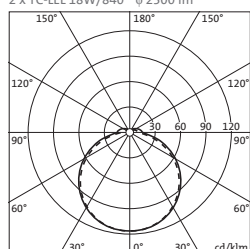


	D	H
TC-SEL 11W	360	83
TC-LEL 18W	360	83
T16-R 55W	360	83



Lamps	Socket	Wt. (kg)	ECG Order No.
<b>IP65</b>			
2x TC-SEL 11W	2G7	1.6	5LS23472SR
2x TC-LEL 18W	2G11	1.6	5LS23472TR
1x T16-R 55W	2GX13	1.7	5LS23471TR

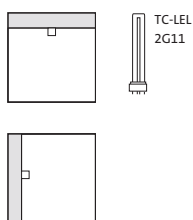
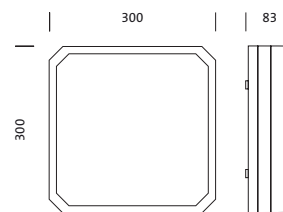
5LS23472TR  
2 x TC-LEL 18W/840  $\phi$  2300 lm  $\eta_{L8}$  43.8%



**Europlex® TC, square, with flat chamfered cover | opal**

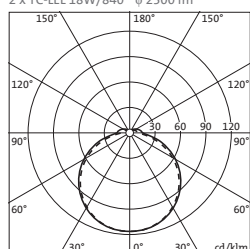
Europlex® TC for wall or ceiling surface mounting | with flat opal cover, diffuse distribution | with ECG | housing of PC, white; cover of PMMA

Protection rating: IP65  
Insulation class: I



Lamps	Socket	Wt. (kg)	ECG Order No.
<b>IP65</b>			
2x TC-LEL 18W	2G11	1.5	5LS23472TQ

5LS23472TQ  
2 x TC-LEL 18W/840  $\phi$  2300 lm  $\eta_{L8}$  43.8%



## Europlex® TC Spare Parts

**Optical enclosure**

PMMA, for round Europlex® TC with flat, chamfered cover

Type	for series	D (mm)	Wt. (kg)	Order No.
Optical enclosure	5LS234... R	360	0.4	5LS23402TWR

**Optical enclosure**

PMMA, for square Europlex® TC with flat, chamfered cover

Type	for series	L x B (mm)	Wt. (kg)	Order No.
Optical enclosure	5LS234... Q	300 x 300	0.3	5LS23402TWQ



## Europlex®

Diffuser luminaires from the Europlex® family are suitable for a wide range of applications with their high protection ratings and various lamping possibilities. Some luminaire types even satisfy the stringent conditions for earthquake resistance such as required for nuclear power plants. The following light distribution patterns can be achieved with the various covers and specular reflectors: wide distribution with ceiling illumination, both symmetric or asymmetric (with prismatic cover) or diffuse distribution with ceiling illumination with the opal cover. The flat upper luminaire housing component is constructed with torsionally rigid sheet steel, giving the Europlex® luminaires a high degree of stability even when suspended.

- + specific versions with certification for earthquake resistance, therefore suitable for e.g. nuclear power plants and civil defence buildings
- + high-grade diffuser and sealing for protection against dust
- + high inherent stability even with suspended installation
- + luminaires have same contours for varying components
- + with attractive diffusers for homogeneous room illumination and a pleasant ambience
- + easy mounting with simple fixing of cover via twist-lock catches



### Housing

Flat housing of torsionally rigid sheet steel, pure white (similar to RAL 9010), with plastic end caps, white | enclosure of impact-resistant, non-yellowing PMMA, cast from one piece and completely recyclable | enclosure fixing via twist-lock catches

### Electrics

Luminaire wired ready for connection | with 3-pole terminal, max. 2.5mm<sup>2</sup> | cable entry suitable for cables with diameter D ≤ 10.5mm (luminaires with narrow housing) or D ≤ 12mm (luminaires with wide housing) | for continuous row mounting, through-wiring above luminaire via sheathed cable (e.g. NYM)

### Lighting technology

Prismatic cover with outer prism optics for direct wide distribution

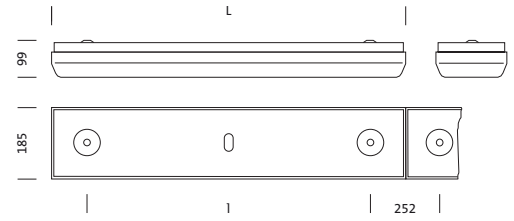
- with highly specular aluminium reflector, symmetric distribution
- with highly specular aluminium reflector, asymmetric distribution
- without reflector, direct wide distribution with ceiling illumination
- opal cover, diffuse distribution with ceiling illumination



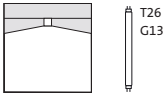
**Europlex® with prismatic cover | with reflector | direct symmetric distribution**

Europlex® diffuser luminaire for ceiling surface mounting or suspended mounting | with aluminium reflector, highly specular, direct symmetrical wide distribution; with prismatic cover | with ECG | housing of sheet steel; end caps of plastic; housing and end caps pure white (similar to RAL 9010); cover of PMMA

Protection rating: IP50  
Insulation class: I



	L	I
36W	1270	1020
58W	1570	1320

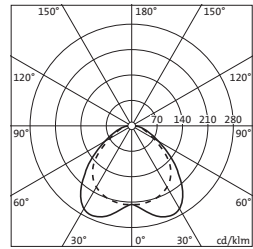


Lamps	Socket	Wt. (kg)	ECG Order No.
<b>IP50</b>			
1x T26 36W	G13	3.3	5LJ23571CX3
1x T26 58W	G13	3.9	5LJ23571EX3
2x T26 36W	G13	3.5	5LJ23572CX3
2x T26 58W	G13	3.8	5LJ23572EX3

**5LJ23572CX3**

2 x T26 36W/840  $\phi$  6400 lm

$\eta_{ls}$  71.7%  $\phi$  96%  $\phi$  4%



**Luminaire values (cd/m<sup>2</sup>)**

	C 0/180	C 90/270
L <sub>80</sub>	1363	2641
L <sub>70</sub>	1888	2778
L <sub>50</sub>	2224	3034

UGR 19.6 19.7  
X 4H Y 8H  $\rho$  70/50/20 S 0.25H

**No. of luminaires in room**

Reflection factors 70/50/20

Em(lx)	100	200	500			
Lh(m)	2.5	3.0	2.5	3.0	2.5	3.0
20 m <sup>2</sup>	0.7	0.8	1.3	1.5	3.4	3.8
30 m <sup>2</sup>	1.0	1.1	2.0	2.3	4.9	5.7
40 m <sup>2</sup>	1.3	1.4	2.6	2.9	6.4	7.1
50 m <sup>2</sup>	1.5	1.7	3.1	3.4	7.7	8.5
75 m <sup>2</sup>	2.2	2.4	4.4	4.9	11	12
100 m <sup>2</sup>	2.9	3.1	5.8	6.2	15	16
500 m <sup>2</sup>	13	14	27	27	67	69

**Factors of other lamp configurations**

1x36W 1.8	1x58W 1.2
2x58W 0.7	

Maintenance factor 0.8

Rh = Lh

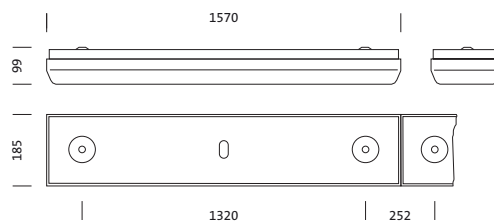
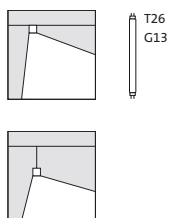




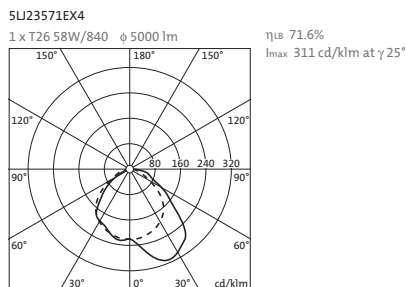
**Europlex® with prismatic cover | with reflector | direct asymmetric distribution**

Europlex® diffuser luminaire for ceiling surface mounting or suspended mounting | with aluminium reflector, highly specular, direct asymmetrical distribution, with prismatic cover | with ECG | housing of sheet steel; end caps of plastic; housing and end caps pure white (similar to RAL 9010); cover of PMMA

Protection rating: IP50  
Insulation class: I



Lamps	Socket	Wt. (kg)	ECG Order No.
IP50 1x T26 58W	G13	4.0	5LJ23571EX4



**No. of luminaires in room**  
Reflection factors 70/50/20

Em(lx)	100	200	500			
Lh(m)	2.5	3.0	2.5	3.0	2.5	3.0
20 m²	0.9	1.0	1.7	2.0	4.3	5.0
30 m²	1.3	1.5	2.6	2.9	6.4	7.3
40 m²	1.7	1.8	3.3	3.7	8.3	9.2
50 m²	2.0	2.2	4.0	4.4	10.0	11
75 m²	2.9	3.1	5.8	6.2	14	16
100 m²	3.8	4.0	7.5	8.1	19	20
500 m²	17	18	34	36	86	89

Maintenance factor 0.8 Rh = Lh

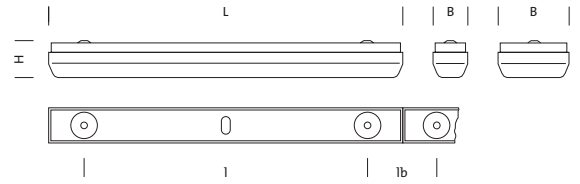


**Europlex® with prismatic cover | wide distribution with ceiling illumination**

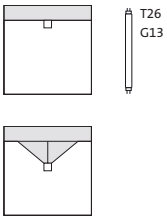
Europlex® diffuser luminaire for ceiling surface mounting or suspended mounting | wide distribution with ceiling illumination, with prismatic cover | with ECG | housing of sheet steel; end caps of plastic; housing and end caps pure white (similar to RAL 9010); cover of PMMA

Protection rating: IP40 or IP50 (according to construction)

Insulation class: I



	L	l	lb	B	H
1 x 18W	660	475	187	92	99
1 x 36W	1270	1020	252	92	99
1 x 58W	1570	1320	252	92	99
1 x 36W	1270	1020	252	185	99
1 x 58W	1570	1320	252	185	99
2 x 18W	660	475	187	185	99
2 x 36W	1270	1020	252	185	99
2 x 58W	1570	1320	252	185	99
4 x 18W	670	520	152	670	92

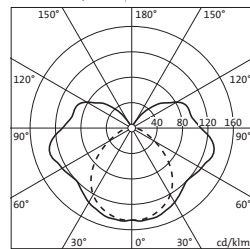


Lamps	Socket	B (mm)	Wt. (kg)	ECG Order No.
<b>IP40</b>				
1x T26 36W	G13	92	2.1	5LJ23971C
1x T26 58W	G13	92	2.5	5LJ23971E
2x T26 36W	G13	185	3.2	5LJ23972C
2x T26 58W	G13	185	3.7	5LJ23972E
<b>IP50</b>				
1x T26 18W	G13	92	1.2	5LJ23571A
1x T26 36W	G13	92	2.1	5LJ23571C
1x T26 36W	G13	185	3.2	5LJ23571CX1
1x T26 58W	G13	92	2.4	5LJ23571E
1x T26 58W	G13	185	3.6	5LJ23571EX1
2x T26 18W	G13	185	1.7	5LJ23572AX1
2x T26 36W	G13	185	3.2	5LJ23572CX1
2x T26 58W	G13	185	3.9	5LJ23572EX1
4x T26 18W	G13	670	4.9	5LJ23574A

**5LJ23571E**

1 x T26 58W/840  $\phi$  5000 lm

$\eta_{\text{us}}$  81.8%  $\phi$  73%  $\phi$  27%



**Luminance values (cd/m²)**

	C 0/180	C 90/270
L <sub>80</sub>	4867	2051
L <sub>70</sub>	4393	2092
L <sub>50</sub>	4011	2320

UGR 23.9 17.2  
X 4H Y 8H  $\rho$  70/50/20 S 0.25H

**No. of luminaires in room**

Reflection factors 70/50/20

Em(lx)	100	200	500
Lh(m)	2.5	3.0	2.5
20 m²	1.1	1.3	2.5
30 m²	1.5	1.7	3.0
40 m²	1.9	2.1	3.8
50 m²	2.3	2.5	4.6
75 m²	3.2	3.5	6.3
100 m²	4.1	4.4	8.2
500 m²	17	18	35

**Factors of other lamp configurations**

1x36W	1.5	1x58W	1.0
2x36W	0.8	2x58W	0.6
4x18W	1.0		

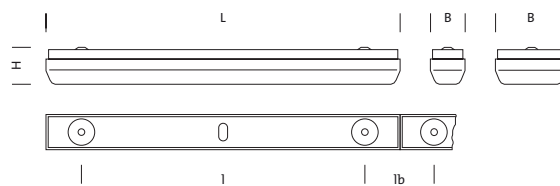
Maintenance factor 0.8 Rh = Lh + 0.5 m



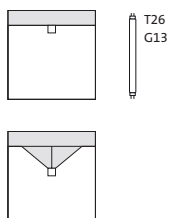
**Europlex® with opal cover | diffuse distribution with ceiling illumination**

Europlex® diffuser luminaire for ceiling surface mounting or suspended mounting | diffuse distribution, with opal cover | with ECG | housing of sheet steel; end caps of plastic; housing and end caps pure white (similar to RAL 9010); cover of PMMA

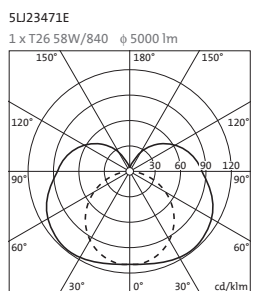
Protection rating: IP40 or IP50 (according to construction)  
Insulation class: I



	L	l	lb	B	H
1 x 18W	660	475	187	92	99
1 x 36W	1270	1020	252	92	99
1 x 58W	1570	1320	252	92	99
2 x 18W	660	475	187	185	99
2 x 36W	1270	1020	252	185	99
2 x 58W	1570	1320	252	185	99
4 x 18W	670	520	152	670	92



Lamps	Socket	B (mm)	Wt. (kg)	ECG Order No.
<b>IP40</b>				
1x T26 36W	G13	92	2.1	5LJ23871C
1x T26 58W	G13	92	2.6	5LJ23871E
2x T26 36W	G13	185	3.2	5LJ23872C
2x T26 58W	G13	185	2.0	5LJ23872E
<b>IP50</b>				
1x T26 18W	G13	92	1.2	5LJ23471A
1x T26 36W	G13	92	2.1	5LJ23471C
1x T26 58W	G13	92	2.7	5LJ23471E
2x T26 18W	G13	185	1.8	5LJ23472A
2x T26 36W	G13	185	3.3	5LJ23472C
2x T26 58W	G13	185	4.0	5LJ23472E
4x T26 18W	G13	670	5.0	5LJ23474A



**No. of luminaires in room**  
Reflection factors 70/50/20

Em(x)	100	200	500
Lh(m)	2.5 3.0 2.5 3.0 2.5 3.0		
20 m <sup>2</sup>	1.2 1.4 2.4 2.9 6.1 7.2		
30 m <sup>2</sup>	1.7 1.9 3.4 3.9 8.5 9.7		
40 m <sup>2</sup>	2.1 2.4 4.3 4.8 11 12		
50 m <sup>2</sup>	2.5 2.9 5.1 5.7 13 14		
75 m <sup>2</sup>	3.6 3.9 7.1 7.8 18 20		
100 m <sup>2</sup>	4.6 5.0 9.2 10.0 23 25		
500 m <sup>2</sup>	19 20 39 40 97 101		

**Factors of other lamp configurations**  
1x36W 1.5 2x36W 0.8  
2x58W 0.6  
Maintenance factor 0.8 Rh = Lh + 0.5 m

## Europlex® Electrical Accessories



**Supplementary terminal**  
for luminaire installation

Type	Order No.
2x max. 2.5mm <sup>2</sup> (L2, L3)	5LY9114

- for 5-pole luminaire connection or 5-pole through-wiring: 1 piece required per luminaire
- through-wiring from luminaire to luminaire on upper side of luminaire with sheathed cable (e.g. NYM)

## Europlex® Mounting Accessories



**Universal luminaire suspension**  
for wire ( $\phi \leq 4.5\text{mm}$ )  
or chain (inner  $\phi \geq 7\text{mm}$ )  
Load capacity: 25kg

Type	Order No.
Suspension galvanised, partly V2A	5LY9086



**Chain, galvanised**  
inner link size 7 x 40mm  
Load capacity: 56kg

Type	Order No.
Chain, galvanised	5LY9005

- Chain: per metre



**Mounting set**  
For luminaire mounting to unwired  
DUS® trunking rail

Type	Order No.
Mounting set	5LY9142

- 2 pieces required per luminaire
- see section 6 for DUS® trunking rail and accessories
- through-wiring from luminaire to luminaire on upper side of luminaire with sheathed cable (e.g. NYM)



**Turnbuckle**  
for wire  
Load capacity: 45kg

Type	Order No.
Turnbuckle	5LY9140

## Europlex® Spare Parts



**Optical enclosure prismatic**  
for Europlex 5LJ235... | 5LJ239...  
surface-mounted luminaires | optical enclosure of PMMA with rounded edges | (also suitable for predecessor version 5LJ229... )

Type	for lamps	Order No.
Optical enclosure	1x T26 18W	5LJ23201AW
Optical enclosure	1x T26 36W*	5LJ23201CW
Optical enclosure	1x T26 58W*	5LJ23201EW
Optical enclosure	2x T26 18W	5LJ23202AW
Optical enclosure	2x T26 36W	5LJ23202CW
Optical enclosure	2x T26 58W	5LJ23202EW
Optical enclosure	4x T26 18W	5LJ23204AW

\*with luminaire with symm. or asymm. distribution reflector: use twin lamp optical enclosure



**Optical enclosure opal**  
For Europlex® surface-mounted luminaire 5LJ234... | 5LJ238...  
Optical enclosure of PMMA with rounded edges.  
(also suitable as replacement for predecessor type 5LJ224... | 228... )

Type	for lamps	Order No.
Optical enclosure	for 1x T26 18W	5LJ23101AW
Optical enclosure	for 1x T26 36W	5LJ23101CW
Optical enclosure	for 1x T26 58W	5LJ23101EW
Optical enclosure	for 2x T26 18W	5LJ23102AW
Optical enclosure	for 2x T26 36W	5LJ23102CW
Optical enclosure	for 2x T26 58W	5LJ23102EW
Optical enclosure	for 4x T26 18W	5LJ23104AW

## EKU

The recessed ceiling luminaires of the EKU family feature a robust, high quality construction. The high IP54 protection rating enables them to be used in damp rooms. The luminaire is optimised for T26 fluorescent lamps. It has direct wide light distribution via a prismatic cover of impact-resistant PMMA, mounted without tools.

- + high IP54 protection
- + for mounting in various ceiling systems with visible or concealed supporting profiles
- + transparent prismatic cover with optically effective prisms
- + opal cover for extremely wide light distribution



### Housing

Sheet steel housing, pure white (similar to RAL 9010) | PMMA optical enclosures with extruded aluminium frame, matt anodised | enclosures are fixed without tools and are securely positioned within housing via spring catches (can be removed with suction pad)

### Electrics

Luminaires wired ready for connection | with 3-pole terminal, max 2.5mm<sup>2</sup> | cable entry with M16 metric cable gland for cables with D= 5...10mm | double cable entry for through-wiring to next luminaire

### Lighting technology

- transparent prismatic cover with optically effective prisms
- opal cover, for extremely wide light distribution

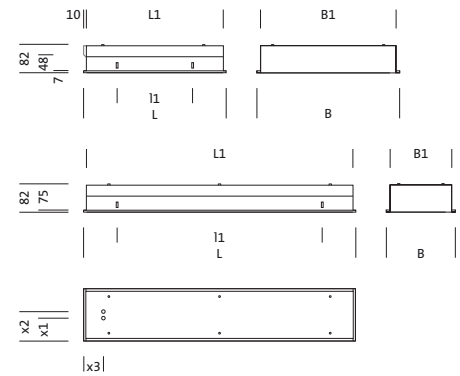
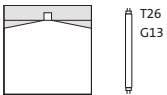




**EKU recessed luminaire IP54 | with prismatic cover**

EKU damp-proof luminaire for ceiling recessing | direct extremely wide distribution; with prismatic cover | with ECG | housing of sheet steel, white; cover of PMMA with frame of aluminium, matt anodised

Protection rating: IP54  
 Insulation class: I  
 Protection symbol: F

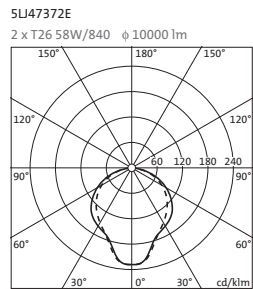


	L	L1	l1	B	B1	x1	x2	x3
2 x 36W	1248	1228	895	310	286	140	170	91
2 x 58W	1548	1528	1195	310	286	140	170	91
3 x 18W	623	603	415	623	599	198	228	40

Cover can be removed with suction pad



Lamps	Socket	Wt. (kg)	ECC Order No.
<b>for cut ceiling aperture</b>			
2x T26 36W	G13	7.8	5LJ47372C
2x T26 58W	G13	9.6	5LJ47372E
3x T26 18W	G13	7.5	5LJ47373A



**No. of luminaires in room**  
 Reflection factors 70/50/20

Em(lx)	100	200	500			
Lh(m)	2.5	3.0	2.5	3.0	2.5	3.0
20 m <sup>2</sup>	0.6	0.6	1.1	1.3	2.8	3.2
30 m <sup>2</sup>	0.8	0.9	1.6	1.9	4.1	4.6
40 m <sup>2</sup>	1.1	1.2	2.1	2.4	5.3	5.9
50 m <sup>2</sup>	1.3	1.4	2.5	2.8	6.4	7.0
75 m <sup>2</sup>	1.8	2.0	3.7	4.0	9.1	9.9
100 m <sup>2</sup>	2.4	2.5	4.7	5.1	12	13
500 m <sup>2</sup>	11	11	21	22	54	55

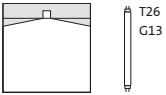
**Factors of other lamp configurations**  
 2x36W 1.5      3x18W 2.3  
 Maintenance factor 0.8      Rh = Lh



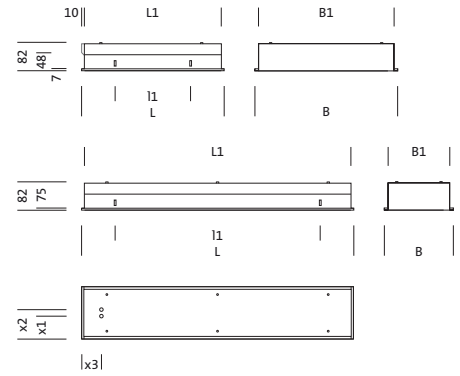
**EKU recessed luminaire IP54 | with opal cover**

EKU damp-proof luminaire for ceiling recessing | direct extremely wide distribution; with opal cover | with ECG | housing of sheet steel, white; cover of PMMA with frame of aluminium, matt anodised

Protection rating: IP54  
 Insulation class: I  
 Protection symbol: F

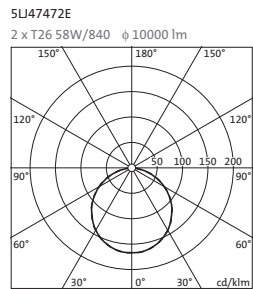


Cover can be removed with suction pad



	L	L1	l1	B	B1	x1	x2	x3
2 x 36W	1248	1228	895	310	286	140	170	91
2 x 58W	1548	1528	1195	310	286	140	170	91
3 x 18W	623	603	415	623	599	198	228	40

Lamps	Socket	Wt. (kg)	ECG Order No.
<b>for cut ceiling aperture</b>			
2x T26 36W	G13	8.0	5LJ47472C
2x T26 58W	G13	9.9	5LJ47472E
3x T26 18W	G13	7.4	5LJ47473A



**No. of luminaires in room**  
 Reflection factors 70/50/20

Em(lx)	100	200	500
Lh(m)	2.5	3.0	2.5
20 m <sup>2</sup>	0.6	0.7	1.3
30 m <sup>2</sup>	1.0	1.1	1.9
40 m <sup>2</sup>	1.2	1.4	2.4
50 m <sup>2</sup>	1.5	1.6	2.9
75 m <sup>2</sup>	2.1	2.3	4.2
100 m <sup>2</sup>	2.7	2.9	5.4
500 m <sup>2</sup>	12	13	25

**Factors of other lamp configurations**  
 2x36W 1.5 3x18W 2.4  
 Maintenance factor 0.8 Rh = Lh

## EKU Mounting Accessories

**Mounting bracket**

Levelling angle for mounting in ceilings with cutouts

Type	PU	Order No.
Mounting bracket	set of 4	5LJ47001

- 4 pieces required per luminaire
- Clamping range: ...21mm; 15mm...33mm; 44mm...74mm; according to position of support bracket.

**Suction pad**

rubber suction pad for opening of smooth covers (e.g. with flush-fitted installation to ceiling)

Type	Order No.
Suction pad	5LJ48400XJ

## EKU Spare Parts

**Optical enclosure  
prismatic**

Aluminium frame with bonded panel of PMMA

Type	for series/lamps	Order No.
Optical enclosure	5LJ473 . 2C	5LJ47302CW
Optical enclosure	5LJ473 . 2E	5LJ47302EW
Optical enclosure	5LJ473 . 3A	5LJ47303AW

**Optical enclosure  
opal**

Aluminium frame with bonded panel of PMMA

Type	for series/lamps	Order No.
Optical enclosure	5LJ474 . 2C	5LJ47402CW
Optical enclosure	5LJ474 . 2E	5LJ47402EW
Optical enclosure	5LJ474 . 3A	5LJ47403AW

