

Schede LED a tensione di rete
Mains voltage LED boards



Legenda | Legend

Durata di vita della sorgente luminosa / *Lifetime of the light source*

Classe efficienza energetica / *Energy efficiency class*

Tensione di rete 220~240Vac / *220~240Vac main voltage*

Tensione di rete 110~120Vac / *110~120Vac main voltage*

Angolo fascio luminoso / *Beam angle*

Modulo LED da incorporare / *Built-in lighting module*

Solo per applicazioni interne / *Only for indoor applications*

Solo per applicazioni esterne / *Only for outdoor applications*

Dimmerabile / *Dimmable*

Schede LED per singolo pannello / *LED boards for single panel*

Schede LED / LED boards

220~240Vac

110~120Vac



131 › 150

151 › 154

Tmax - Temperatura d'esercizio | Working temperature

Da verificare sull'applicazione finale misurata sul t_c / t_p sulla scheda (se presente) o nel punto più vicino al LED.

To be tested on final application measured at LED board t_c / t_p (if present) or at the nearest point to the LED.

Dissipazione | Dissipation

Al fine di una corretta dissipazione le schede LED devono essere fissate su una struttura in alluminio.

In order to obtain correct dissipation, fix the LED boards to an aluminium support.

Tolleranze | Tolerances

Valori elettrici / *Electrical values* (@25°): ±10%

Dimensionali / *Dimensional*: ±0.15mm

Spessore PCB / *PCB thickness*: ±10%

Ø fori / hole Ø: ±0.1mm

Varianti e accessori | Variants and accessories

Da definire in fase d'ordine / *To be chosen when ordering*

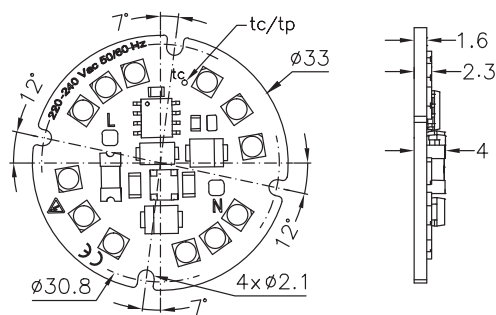
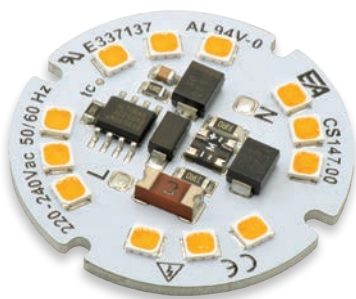
Note | Notes

Le schede LED contengono componenti che sono sensibili alle scariche elettrostatiche e possono essere maneggiati solo utilizzando le adeguate protezioni. Durante le fasi di lavorazione è necessario prestare la massima attenzione a non danneggiare le schede e/o apportare modifiche alle stesse ed evitare di collegarle sotto tensione. In base al dimmer utilizzato può variare il range di dimmerazione. A bassi valori di dimmerazione potrebbe verificarsi un aumento del flicker e causare lo spegnimento di alcuni gruppi di LED.

LED boards contain components sensitive to electrostatic discharges and should be handled only using adequate protection. During assembly steps, be careful not to damage LED boards and/or not to modify them. Avoid connecting the LED boards while they are powered.

Depending on the dimmer used, the dimming range may change. At low dimming values, flicker increase, and some groups of LEDs switch off.

CL147



Vac Input (V)	Dimmerabile Dimmable	Power Typ (W)
220~240 (50/60Hz)	TRIAC/IGBT	4.5

CCT	Power Typ (W)	CRI>80			CRI>90		
		lm Typ	lm/W	Energy efficiency	lm Typ	lm/W	Energy efficiency
2700K	4.5	495	110	A ₆ E	441	98	A ₆ F
3000K		495	110	A ₆ E	441	98	A ₆ F
4000K		495	110	A ₆ E			

Su richiesta è possibile produrre la scheda LED con potenze diverse fino a max 4.5W
 On request it is possible to produce the LED board with different powers up to max 4.5W

Attenzione / Warning

Applicando una cover di protezione alla sorgente luminosa si avrà una diminuzione in percentuale del valore dei lumen (lm).

La cover opale inoltre può provocare anche una variazione importante del CCT.

N.B.: al fine del mantenimento dei parametri sopra indicati, in conformità alla normativa EPREL, la cover deve rimanere removibile.

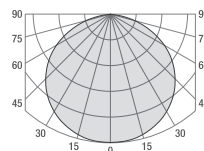
Applying a protection cover to the light source will have a decrease in the lumen value (lm).

The opal cover can also cause a significant change in the CCT.

N.B.: in order to maintain the above parameters, in accordance with the EPREL standard, the cover must remain removable.

RA/CRI	CRI>80, CRI>90
PCB	IMS 1.6 mm
LED type	SEOUL® 3030
LED Q.ty	12
Stroboscopic effect	SVM 3.51
Flicker	P _{st} LM 0.1
Power factor	0.99
Dimensions	Ø 33 mm x h 4 mm

Curva tipica di distribuzione della luce Luminous intensity distribution



Accessori / Accessories

Cavi, pad termico, cover / Cables, thermal pad, cover

Codice ordine standard / Standard order code

Senza cavi, pad termico e altri accessori

Without cables, thermal pad and other accessories

CL147	XXXXX	M045XXXAG	YYYYY
1	2	1	3

1 Codice fisso / Fixed code CL147 _ M045XXXAG

2 CCT	CRI>80	CRI>90
2700K	27803	27903
3000K	30803	30903
4000K	40803	/

3 Variante cavo / Cable variants

Da definire in fase d'ordine / To be chosen when ordering



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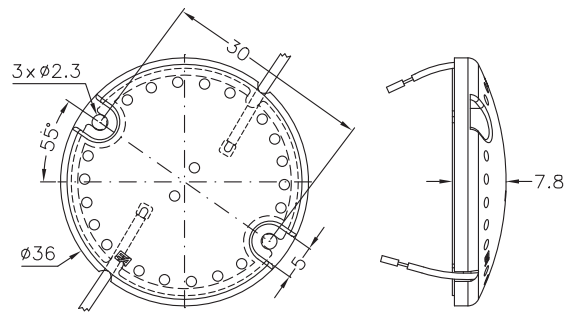
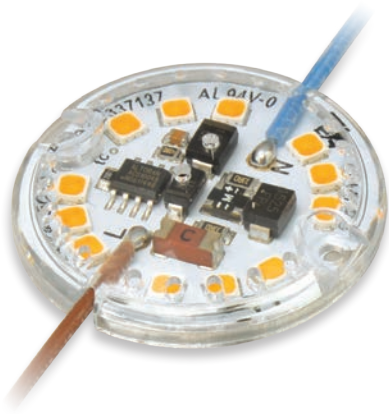
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Riferimenti normativi / Normative requirements

EN 62031 / EN 62471 / IEC TR 62778 / EN 55015 / EN 61547

CL147_Y



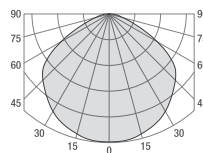
Vac Input (V)	Dimmerabile Dimmable	Power Typ (W)
220~240 (50/60Hz)	TRIAC/IGBT	4.5

CCT	Power Typ (W)	CRI>80			CRI>90		
		lm Typ	lm/W	Energy efficiency	lm Typ	lm/W	Energy efficiency
2700K	4.5	456	101	A ₁ G F	387	86	A ₁ G F
3000K		456	101	A ₁ G F	387	86	A ₁ G F
4000K		456	101	A ₁ G F			

Su richiesta è possibile produrre la scheda LED con potenze diverse fino a max 4.5W
 On request it is possible to produce the LED board with different powers up to max 4.5W

RA/CRI	CRI>80, CRI>90
PCB	IMS 1.6 mm
LED type	SEOUL® 3030
LED Q.ty	12
Cover	Trasparente / Transparent
Stroboscopic effect	SVM 3.51
Flicker	P _{st} LM 0.1
Power factor	0.99
Dimensions	Ø 36 mm x h 7.8 mm

Curva tipica di distribuzione della luce Luminous intensity distribution



Accessori / Accessories

Cavi, pad termico / Cables, thermal pad

Codice ordine standard / Standard order code

Con cover di protezione in PC incollata, cavi saldati, senza pad termico e altri accessori

With glued PC protection cover, welded cables, without thermal pad and other accessories

CL147 | XXXXX | M045AXYAG | YYYYY

1 Codice fisso / Fixed code CL147 _ M045AXYAG

2 CCT	CRI>80	CRI>90
2700K	27803	27903
3000K	30803	30903
4000K	40803	/

3 Variante cavo / Cable variants

Da definire in fase d'ordine / To be chosen when ordering



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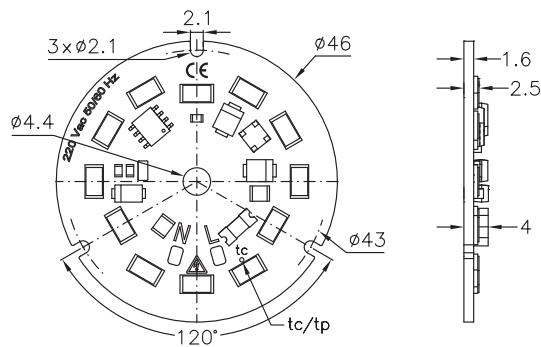
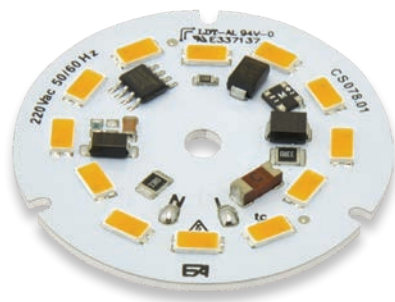
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Riferimenti normativi / Normative requirements

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CL078



Vac Input (V)	Dimmerabile Dimmable	Power Typ (W)
220~240 (50/60Hz)	TRIAC/IGBT	5

CCT	Power Typ (W)	Im Typ	CRI>80 Im/W	Energy efficiency
2700K	5	550	110	A+ E
3000K		550	110	A+ E
4000K		550	110	A+ E
5000K		550	110	A+ E

Su richiesta è possibile produrre la scheda LED con potenze diverse fino a max 5W
 On request it is possible to produce the LED board with different powers up to max 5W

Attenzione / Warning

Applicando una cover di protezione alla sorgente luminosa si avrà una diminuzione in percentuale del valore dei lumen (lm).

La cover opale inoltre può provocare anche una variazione importante del CCT.

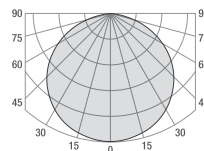
N.B.: al fine del mantenimento dei parametri sopra indicati, in conformità alla normativa EPREL, la cover deve rimanere removibile.

Applying a protection cover to the light source will have a decrease in the lumen value (lm).
 The opal cover can also cause a significant change in the CCT.

N.B.: in order to maintain the above parameters, in accordance with the EPREL standard, the cover must remain removable.

RA/CRI	CRI>80
PCB	IMS 1.6 mm
LED type	SEOUL® 5630
LED Q.ty	12
Stroboscopic effect	SVM 3.68
Flicker	P _{st} LM 0.08
Power factor	0.99
Dimensions	Ø 46 mm x h 4 mm

Curva tipica di distribuzione della luce Luminous intensity distribution



Accessori / Accessories

Cavi, pad termico, cover / Cables, thermal pad, cover

Codice ordine standard / Standard order code

Senza cavi, pad termico e altri accessori

Without cables, thermal pad and other accessories

CL078 | XXXXX | M050XXXAE | YYYYY

1 Codice fisso / Fixed code CL078 _ M050XXXAE

2 CCT	CRI>80
2700K	27803
3000K	30803
4000K	40803
5000K	50803

3 Variante cavo / Cable variants

Da definire in fase d'ordine / To be chosen when ordering



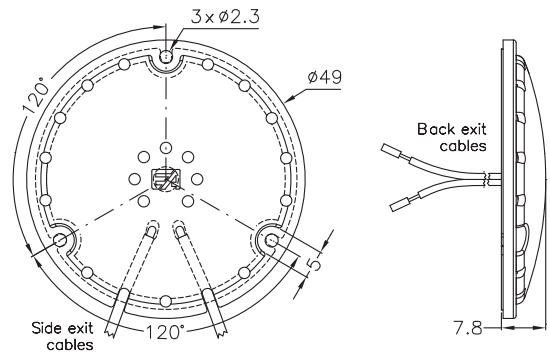
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Riferimenti normativi / Normative requirements

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CL078_Y



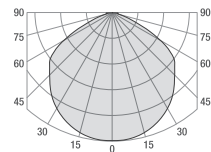
Vac Input (V)	Dimmerabile Dimmable	Power Typ (W)
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220~240 (50/60Hz) TRIAC/IGBT 5

CCT	Power Typ (W)	CRI>80		Energy efficiency
		lm Typ	lm/W	
2700K	5	505	101	A+ F
3000K		505	101	A+ F
4000K		505	101	A+ F
5000K		505	101	A+ F

Su richiesta è possibile produrre la scheda LED con potenze diverse fino a max 5W
 On request it is possible to produce the LED board with different powers up to max 5W

RA/CRI	CRI>80
PCB	IMS 1.6 mm
LED type	SEOUL® 5630
LED Q.ty	12
Cover	Trasparente / Transparent
Stroboscopic effect	SVM 3.68
Flicker	PstLM 0.08
Power factor	0.99
Dimensions	Ø 49 mm x h 7.8 mm



Curva tipica di distribuzione della luce
 Luminous intensity distribution

Accessori / Accessories

Cavi, pad termico / Cables, thermal pad

Codice ordine standard / Standard order code

Con cover di protezione in PC incollata, cavi saldati, senza pad termico e altri accessori

With glued PC protection cover, welded cables, without thermal pad and other accessories

CL078	XXXXX	M050	XX	YAE	YYYYY
1	2	1	3	1	4

1 Codice fisso / Fixed code CL078 _ M050 _ YAE

2 CCT	CRI>80
2700K	27803
3000K	30803
4000K	40803
5000K	50803

3 Cavi / Cables

Cavi laterali / Side cables	AX
Cavi posteriori / Back cables	BX

4 Variante cavo / Cable variants

Da definire in fase d'ordine / To be chosen when ordering



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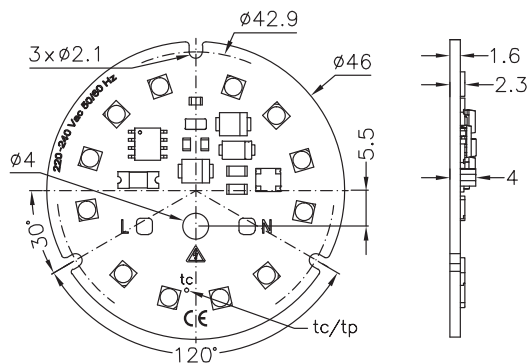
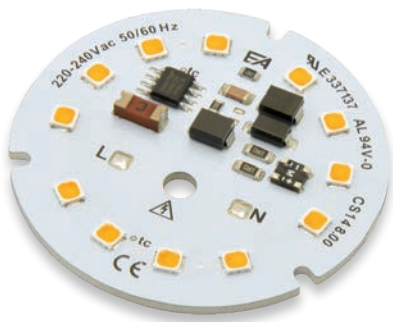
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Riferimenti normativi / Normative requirements

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CL148



Vac Input (V)	Dimmerabile Dimmable	Power Typ (W)
220~240 (50/60Hz)	TRIAC/IGBT	8

CCT	Power Typ (W)	CRI>80			CRI>90		
		lm Typ	lm/W	Energy efficiency	lm Typ	lm/W	Energy efficiency
2700K	8	880	110	A ₁ G E	685	86	A ₁ G F
3000K		880	110	A ₁ G E	685	86	A ₁ G F
4000K		880	110	A ₁ G E			

Su richiesta è possibile produrre la scheda LED con potenze diverse fino a max 8W
 On request it is possible to produce the LED board with different powers up to max 8W

Attenzione / Warning

Applicando una cover di protezione alla sorgente luminosa si avrà una diminuzione in percentuale del valore dei lumen (lm).

La cover opale inoltre può provocare anche una variazione importante del CCT.

N.B.: al fine del mantenimento dei parametri sopra indicati, in conformità alla normativa EPREL, la cover deve rimanere removibile.

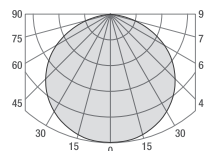
Applying a protection cover to the light source will have a decrease in the lumen value (lm).

The opal cover can also cause a significant change in the CCT.

N.B.: in order to maintain the above parameters, in accordance with the EPREL standard, the cover must remain removable.

RA/CRI	CRI>80, CRI>90
PCB	IMS 1.6 mm
LED type	SEOUL® 3030
LED Q.ty	12
Stroboscopic effect	SVM 3.8
Flicker	P _{st} LM 0.1
Power factor	0.99
Dimensions	Ø 46 mm x h 4 mm

Curva tipica di distribuzione della luce Luminous intensity distribution



Accessori / Accessories

Cavi, pad termico, cover / Cables, thermal pad, cover

Codice ordine standard / Standard order code

Senza cavi, pad termico e altri accessori

Without cables, thermal pad and other accessories

CL148	XXXXX	M080XXXAG	YYYYY
1	2	1	3

1 Codice fisso / Fixed code CL148 _ M080XXXAG

2 CCT	CRI>80	CRI>90
2700K	27803	27903
3000K	30803	30903
4000K	40803	/

3 Variante cavo / Cable variants

Da definire in fase d'ordine / To be chosen when ordering



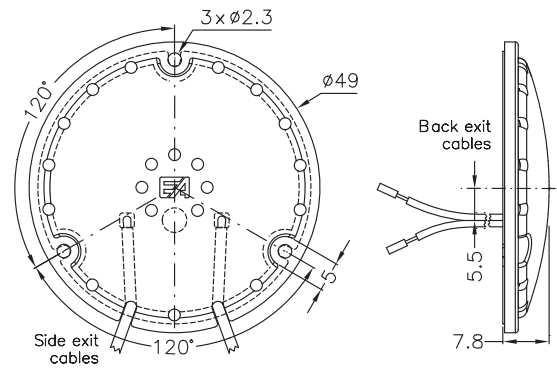
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Riferimenti normativi / Normative requirements

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CL148_Y

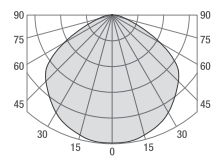


Vac Input (V)	Dimmerabile Dimmable	Power Typ (W)
220~240 (50/60Hz)	TRIAC/IGBT	8

CCT	Power Typ (W)	CRI>80			CRI>90		
		lm Typ	lm/W	Energy efficiency	lm Typ	lm/W	Energy efficiency
2700K	8	808	101	A+ F	664	83	A+ G
3000K		808	101	A+ F	664	83	A+ G
4000K		808	101	A+ F			

Su richiesta è possibile produrre la scheda LED con potenze diverse fino a max 8W
 On request it is possible to produce the LED board with different powers up to max 8W

RA/CRI	CRI>80, CRI>90
PCB	IMS 1.6 mm
LED type	SEOUL® 3030
LED Q.ty	12
Cover	Trasparente / Transparent
Stroboscopic effect	SVM 3.8
Flicker	PstLM 0.1
Power factor	0.99
Dimensions	Ø 49 mm x h 7.8 mm



Curva tipica di distribuzione della luce
 Luminous intensity distribution

Accessori / Accessories

Cavi, pad termico / Cables, thermal pad

Codice ordine standard / Standard order code

Con cover di protezione in PC incollata, cavi saldati, senza pad termico e altri accessori

With glued PC protection cover, welded cables, without thermal pad and other accessories

CL148 | **XXXXX** | **M080** | **XX** | **YAG** | **YYYYY**
 ① | ② | ① | ③ | ① | ④

① Codice fisso / Fixed code	CL147 _ M080 _ YAG	
② CCT	CRI>80	CRI>90
2700K	27803	27903
3000K	30803	30903
4000K	40803	/

③ Cavi / Cables

Cavi laterali / Side cables	AX
Cavi posteriori / Back cables	BX

④ Variante cavo / Cable variants

Da definire in fase d'ordine / To be chosen when ordering



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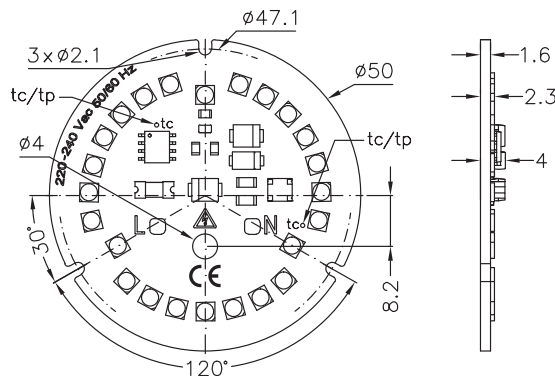
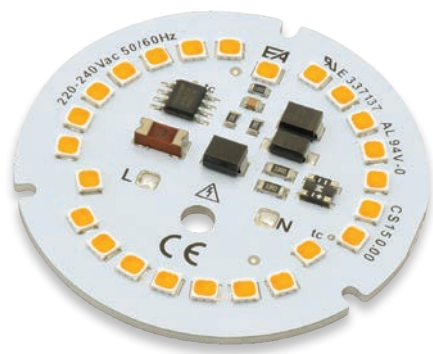
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Riferimenti normativi / Normative requirements

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CL150



Vac Input (V)	Dimmerabile Dimmable	Power Typ (W)
220~240 (50/60Hz)	TRIAC/IGBT	12

CCT	Power Typ (W)	CRI>80			CRI>90		
		lm Typ	lm/W	Energy efficiency	lm Typ	lm/W	Energy efficiency
2700K	12	1320	110	A+ E	1140	95	A+ F
3000K		1320	110	A+ E	1140	95	A+ F
4000K		1320	110	A+ E			

Su richiesta è possibile produrre la scheda LED con potenze diverse fino a max 12W
 On request it is possible to produce the LED board with different powers up to max 12W

Attenzione / Warning

Applicando una cover di protezione alla sorgente luminosa si avrà una diminuzione in percentuale del valore dei lumen (lm).

La cover opale inoltre può provocare anche una variazione importante del CCT.

N.B.: al fine del mantenimento dei parametri sopra indicati, in conformità alla normativa EPREL, la cover deve rimanere removibile.

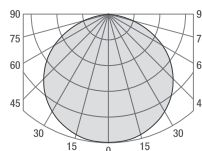
Applying a protection cover to the light source will have a decrease in the lumen value (lm).

The opal cover can also cause a significant change in the CCT.

N.B.: in order to maintain the above parameters, in accordance with the EPREL standard, the cover must remain removable.

RA/CRI	CRI>80, CRI>90
PCB	IMS 1.6 mm
LED type	SEOUL® 3030
LED Q.ty	24
Stroboscopic effect	SVM 3.99
Flicker	PstLM 0.1
Power factor	0.99
Dimensions	Ø 50 mm x h 4 mm

Curva tipica di distribuzione della luce Luminous intensity distribution



Accessori / Accessories

Cavi, pad termico, cover / Cables, thermal pad, cover

Codice ordine standard / Standard order code

Senza cavi, pad termico e altri accessori

Without cables, thermal pad and other accessories

CL150	XXXXX	M120XXXAG	YYYYY
1	2	1	3

1 Codice fisso / Fixed code CL150 _ M120XXXAG

2 CCT	CRI>80	CRI>90
2700K	27803	27903
3000K	30803	30903
4000K	40803	/

3 Variante cavo / Cable variants

Da definire in fase d'ordine / To be chosen when ordering



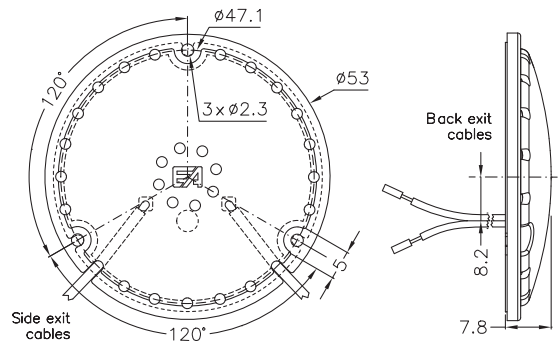
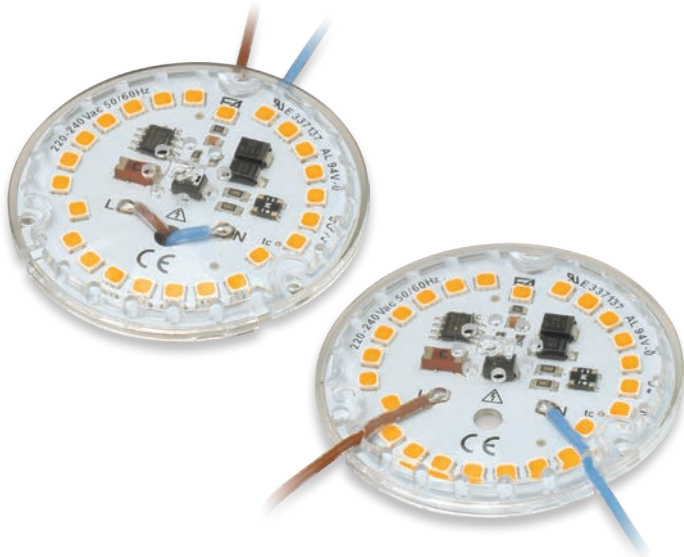
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CL150_Y

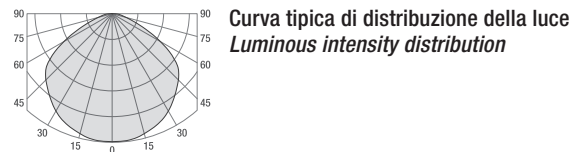


RA/CRI	CRI>80, CRI>90
PCB	IMS 1.6 mm
LED type	SEOUL® 3030
LED Q.ty	24
Cover	Trasparente / <i>Transparent</i>
Stroboscopic effect	SVM 3.99
Flicker	P _{st} LM 0.1
Power factor	0.99
Dimensions	Ø 53 mm x h 7.8 mm

Vac Input (V)	Dimmerabile Dimmable	Power Typ (W)
220~240 (50/60Hz)	TRIAC/IGBT	12

CCT	Power Typ (W)	CRI>80			CRI>90		
		Im Typ	Im/W	Energy efficiency	Im Typ	Im/W	Energy efficiency
2700K	12	1212	101	A ₁ G F	1080	90	A ₁ G F
3000K		1212	101	A ₁ G F	1080	90	A ₁ G F
4000K		1212	101	A ₁ G F			

Su richiesta è possibile produrre la scheda LED con potenze diverse fino a max 12W
 On request it is possible to produce the LED board with different powers up to max 12W



Accessori / Accessories

Cavi, pad termico / Cables, thermal pad

Codice ordine standard / Standard order code

Con cover di protezione in PC incollata, cavi saldati, senza pad termico e altri accessori

With glued PC protection cover, welded cables, without thermal pad and other accessories

CL150	XXXXX	M120	XX	YAG	YYYYY
1	2	1	3	1	4

1	Codice fisso / Fixed code	CL150 _ M120 _ YAG	
2	CCT	CRI>80	CRI>90
	2700K	27803	27903
	3000K	30803	30903
	4000K	40803	/

3 Cavi / Cables

Cavi laterali / Side cables	AX
Cavi posteriori / Back cables	BX

4 Variante cavo / Cable variants

Da definire in fase d'ordine / To be chosen when ordering



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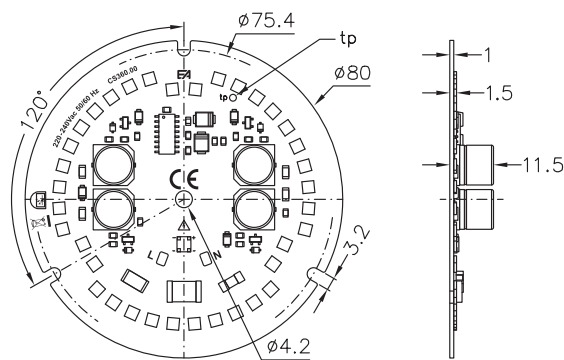
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Riferimenti normativi / Normative requirements

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CL360



Vac Input (V)	Dimmerabile Dimmable	Power Typ (W)
220~240 (50/60Hz)	TRIAC/IGBT	16

CCT	Power Typ (W)	CRI>80			CRI>90		
		Im Typ	Im/W	Energy efficiency	Im Typ	Im/W	Energy efficiency
2700K	16	1728	108	A ₁ G E	1504	94	A ₁ G F
3000K		1792	112	A ₁ G E	1520	95	A ₁ G F
4000K		1840	115	A ₁ G E			

Su richiesta è possibile produrre la scheda LED con potenze diverse fino a max 16W
 On request it is possible to produce the LED board with different powers up to max 16W

Attenzione / Warning

Applicando una cover di protezione alla sorgente luminosa si avrà una diminuzione in percentuale del valore dei lumen (lm).

La cover opale inoltre può provocare anche una variazione importante del CCT.

N.B.: al fine del mantenimento dei parametri sopra indicati, in conformità alla normativa EPREL, la cover deve rimanere removibile.

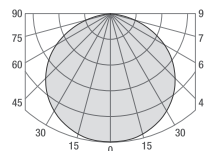
Applying a protection cover to the light source will have a decrease in the lumen value (lm).

The opal cover can also cause a significant change in the CCT.

N.B.: in order to maintain the above parameters, in accordance with the EPREL standard, the cover must remain removable.

RA/CRI	CRI>80, CRI>90
PCB	IMS 1 mm
LED type	SEOUL® 3030
LED Q.ty	36
Stroboscopic effect	SVM 0.12
Flicker	PstLM 0.52
Power factor	0.99
Dimensions	Ø 80 mm x h 11.5 mm

Curva tipica di distribuzione della luce Luminous intensity distribution



Accessori / Accessories

Cavi, pad termico, cover / Cables, thermal pad, cover

Codice ordine standard / Standard order code

Senza cavi, pad termico e altri accessori

Without cables, thermal pad and other accessories

CL360 | **XXXXX** | **M160XXXAG** | **YYYYY**

1 Codice fisso / Fixed code CL360 _ M160XXXAG

2 CCT	CRI>80	CRI>90
2700K	27803	27903
3000K	30803	30903
4000K	40803	/

3 Variante cavo / Cable variants

Da definire in fase d'ordine / To be chosen when ordering



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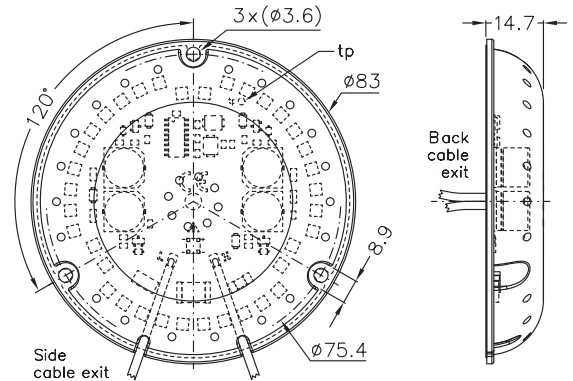
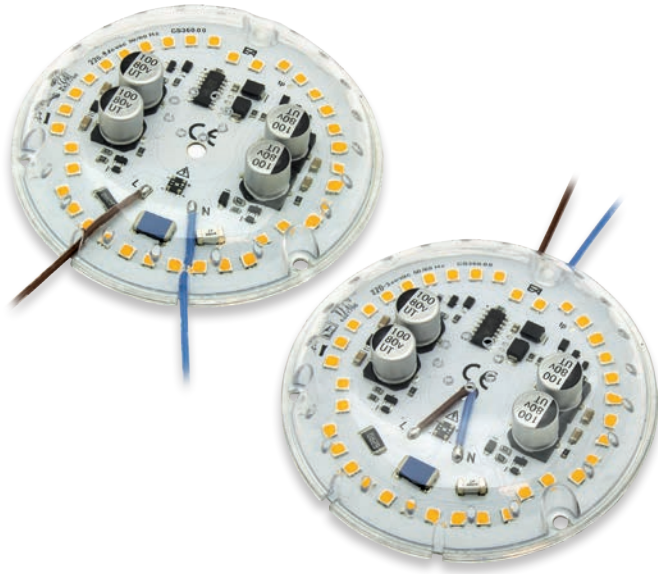
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Riferimenti normativi / Normative requirements

EN 55015/A11 / EN 61547 / EN 61000-3-2 + A1
 EN 61000-3-3 + EC + A1 / EN 61000-4-2 / EN 61000-4-3 + EC + A1
 EN 61000-4-4 / EN 61000-4-5 + A1 / EN 61000-4-6 / EN 61000-4-11
 EN60598 SEZ/SEC (10) / EN 62471
 IEC TR 62778

CL360_Y



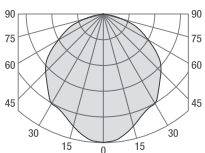
RA/CRI	CRI>80
PCB	IMS 1 mm
LED type	SEOUL® 3030
LED Q.ty	36
Cover	Trasparente / Transparent
Stroboscopic effect	SVM 0.12
Flicker	PstLM 0.52
Power factor	0.99
Dimensions	Ø 83 mm x h 14.7 mm

Vac Input (V)	Dimmerabile Dimmable	Power Typ (W)
220~240 (50/60Hz)	TRIAC/IGBT	10
		16

CCT	CRI>80				CRI>90			
	Power Typ (W)	Im Typ	Im/W	Energy efficiency	Power Typ (W)	Im Typ	Im/W	Energy efficiency
2700K		1600	100	A ₁ G F		890	89	A ₁ G F
3000K	16	1648	103	A ₁ G F	10	910	91	A ₁ G F
4000K		1680	105	A ₁ G F				

Su richiesta è possibile produrre la scheda LED con potenze diverse
 On request it is possible to produce the LED board with different powers
CRI>80 max 16W / CRI>90 max 10W

Curva tipica di distribuzione della luce
 Luminous intensity distribution



Accessori / Accessories

Cavi, pad termico / Cables, thermal pad

Codice ordine standard / Standard order code

Con cover di protezione in PC incollata, cavi saldati, senza pad termico e altri accessori

With glued PC protection cover, welded cables, without thermal pad and other accessories

CL360 | **XXXXX** | **XXXX** | **XX** | **YAG** | **YYYYY**

1 Codice fisso / Fixed code	CL360_YAG	
2 CCT	CRI>80	CRI>90*
2700K	27803	27903
3000K	30803	30903
4000K	40803	/
*Max 10W		
3 Potenza / Power		
10W	M100	
16W	M160	
4 Cavi / Cables		
Cavi laterali / Side cables	AX	
Cavi posteriori / Back cables	BX	
5 Variante cavo / Cable variants		
Da definire in fase d'ordine / To be chosen when ordering		



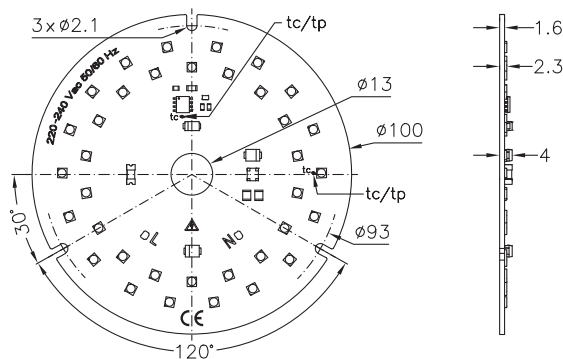
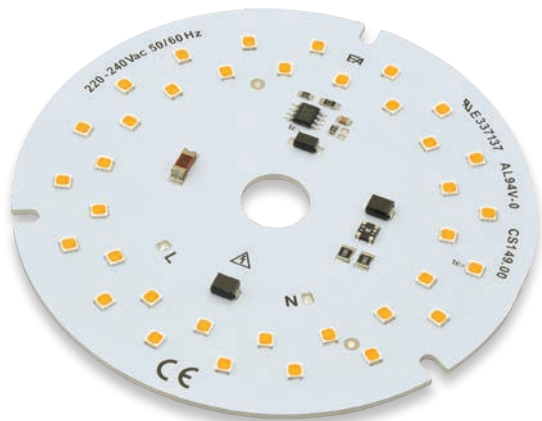
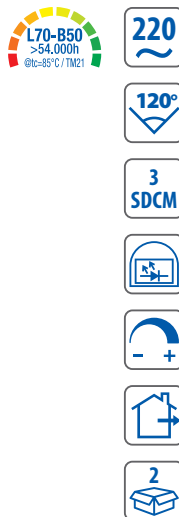
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Riferimenti normativi / Normative requirements

EN 55015/A11 / EN 61547 / EN 61000-3-2 + A1
 EN 61000-3-3 + EC + A1 / EN 61000-4-2 / EN 61000-4-3 + EC + A1
 EN 61000-4-4 / EN 61000-4-5 + A1 / EN 61000-4-6 / EN 61000-4-11
 EN60598 SEZ/SEC (10) / EN 62471
 IEC TR 62778

CL149



Vac Input (V)	Dimmerabile Dimmable	Power Typ (W)
220~240 (50/60Hz)	TRIAC/IGBT	10

CCT	Power Typ (W)	CRI>80			CRI>90		
		lm Typ	lm/W	Energy efficiency	lm Typ	lm/W	Energy efficiency
2700K	10	1100	110	A ₆ E	1000	100	A ₆ F
3000K		1100	110	A ₆ E	1000	100	A ₆ F
4000K		1100	110	A ₆ E			

Su richiesta è possibile produrre la scheda LED con potenze diverse fino a max 10W
 On request it is possible to produce the LED board with different powers up to max 10W

Attenzione / Warning

Applicando una cover di protezione alla sorgente luminosa si avrà una diminuzione in percentuale del valore dei lumen (lm).

La cover opale inoltre può provocare anche una variazione importante del CCT.

N.B.: al fine del mantenimento dei parametri sopra indicati, in conformità alla normativa EPREL, la cover deve rimanere removibile.

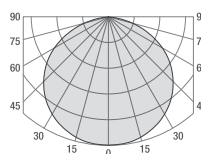
Applying a protection cover to the light source will have a decrease in the lumen value (lm).

The opal cover can also cause a significant change in the CCT.

N.B.: in order to maintain the above parameters, in accordance with the EPREL standard, the cover must remain removable.

RA/CRI	CRI>80, CRI>90
PCB	IMS 1.6 mm
LED type	SEOUL® 3030
LED Q.ty	36
Stroboscopic effect	SVM 3.7
Flicker	P _{st} LM 0.08
Power factor	0.99
Dimensions	Ø 100 mm x h 4 mm

Curva tipica di distribuzione della luce Luminous intensity distribution



Accessori / Accessories

Cavi, pad termico, cover / Cables, thermal pad, cover

Codice ordine standard / Standard order code

Senza cavi, pad termico e altri accessori

Without cables, thermal pad and other accessories

CL149	XXXXX	M100XXXAG	YYYYY
1	2	1	3

1 Codice fisso / Fixed code CL149 _ M100XXXAG

2 CCT	CRI>80	CRI>90
2700K	27803	27903
3000K	30803	30903
4000K	40803	/

3 Variante cavo / Cable variants

Da definire in fase d'ordine / To be chosen when ordering



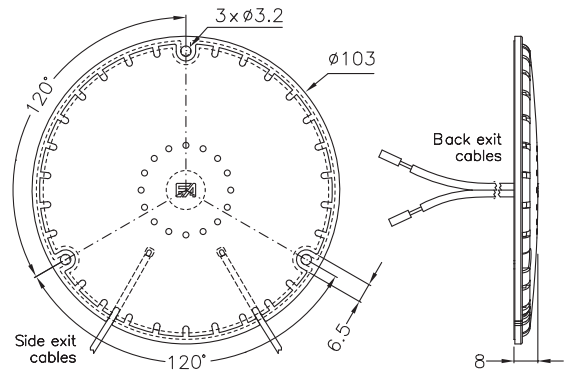
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Riferimenti normativi / Normative requirements

EN 62031 / EN 62471 / IEC TR 62778 / EN 55015 / EN 61547

CL149_Y

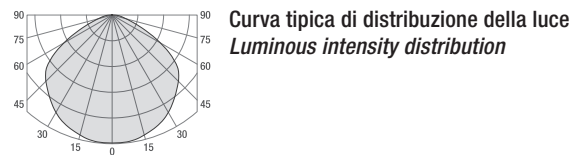


RA/CRI	CRI>80
PCB	IMS 1.6 mm
LED type	SEOUL® 3030
LED Q.ty	36
Cover	Trasparente / Transparent
Stroboscopic effect	SVM 3.7
Flicker	P _{st} LM 0.08
Power factor	0.99
Dimensions	Ø 103 mm x h 8 mm

Vac Input (V)	Dimmerabile Dimmable	Power Typ (W)
220~240 (50/60Hz)	TRIAC/IGBT	10

CCT	Power Typ (W)	CRI>80		Energy efficiency
		lm Typ	lm/W	
2700K	10	1010	101	A ₁ G F
3000K		1010	101	A ₁ G F
4000K		1010	101	A ₁ G F

Su richiesta è possibile produrre la scheda LED con potenze diverse fino a max 10W
 On request it is possible to produce the LED board with different powers up to max 10W



Accessori / Accessories

Cavi, pad termico / Cables, thermal pad

Codice ordine standard / Standard order code

Con cover di protezione in PC incollata, cavi saldati, senza pad termico e altri accessori
 With glued PC protection cover, welded cables, without thermal pad and other accessories

CL149 | XXXXX | M100 | XX | YAG | YYYYY

1 Codice fisso / Fixed code CL149 _ M100 _ YAG

2 CCT	CRI>80
2700K	27803
3000K	30803
4000K	40803

3 Cavi / Cables

Cavi laterali / Side cables	AX
Cavi posteriori / Back cables	BX

4 Variante cavo / Cable variants

Da definire in fase d'ordine / To be chosen when ordering



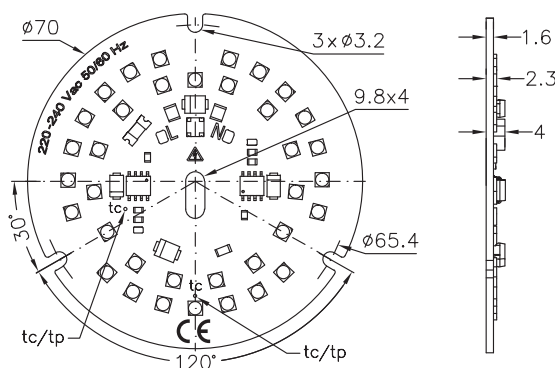
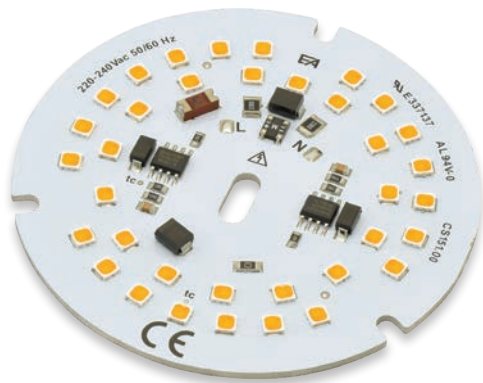
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Riferimenti normativi / Normative requirements

EN 62031 / EN 62471 / IEC TR 62778 / EN 55015 / EN 61547

CL151



Vac Input (V)	Dimmerabile Dimmable	Power Typ (W)
220~240 (50/60Hz)	TRIAC/IGBT	17

CCT	Power Typ (W)	Im Typ	CRI>80 Im/W	Energy efficiency
2700K	17	1870	110	A+ E
3000K		1870	110	A+ E
4000K		1870	110	A+ E

Su richiesta è possibile produrre la scheda LED con potenze diverse fino a max 17W
 On request it is possible to produce the LED board with different powers up to max 17W

Attenzione / Warning

Applicando una cover di protezione alla sorgente luminosa si avrà una diminuzione in percentuale del valore dei lumen (lm).

La cover opale inoltre può provocare anche una variazione importante del CCT.

N.B.: al fine del mantenimento dei parametri sopra indicati, in conformità alla normativa EPREL, la cover deve rimanere removibile.

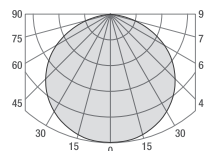
Applying a protection cover to the light source will have a decrease in the lumen value (lm).

The opal cover can also cause a significant change in the CCT.

N.B.: in order to maintain the above parameters, in accordance with the EPREL standard, the cover must remain removable.

RA/CRI	CRI>80
PCB	IMS 1.6 mm
LED type	SEOUL® 3030
LED Q.ty	36
Stroboscopic effect	SVM 3.78
Flicker	P _{st} LM 0.08
Power factor	0.99
Dimensions	Ø 70 mm x h 4 mm

Curva tipica di distribuzione della luce Luminous intensity distribution



Accessori / Accessories

Cavi, pad termico, cover / Cables, thermal pad, cover

Codice ordine standard / Standard order code

Senza cavi, pad termico e altri accessori

Without cables, thermal pad and other accessories

CL151 | XXXXX | M170XXXAG | YYYY

1 Codice fisso / Fixed code CL151 _ M170XXXAG

2 CCT	CRI>80
2700K	27803
3000K	30803
4000K	40803

3 Variante cavo / Cable variants

Da definire in fase d'ordine / To be chosen when ordering



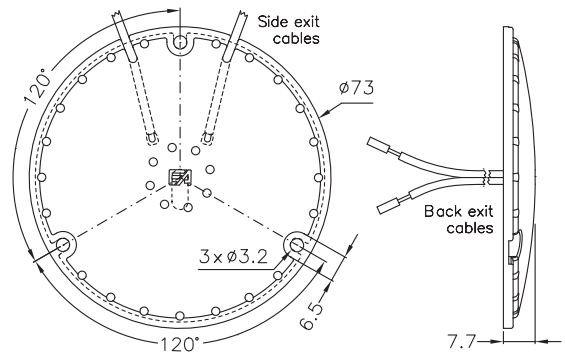
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Riferimenti normativi / Normative requirements

EN 62031 / EN 62471 / IEC TR 62778 / EN 55015 / EN 61547

CL151_Y

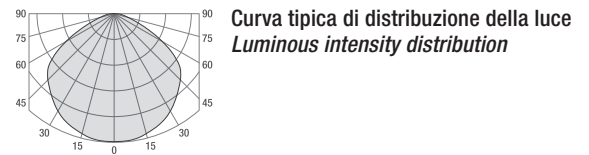


RA/CRI	CRI>80
PCB	IMS 1.6 mm
LED type	SEOUL® 3030
LED Q.ty	36
Cover	Trasparente / Transparent
Stroboscopic effect	SVM 3.78
Flicker	P _{st} LM 0.08
Power factor	0.99
Dimensions	Ø 73 mm x h 7.8 mm

Vac Input (V)	Dimmerabile Dimmable	Power Typ (W)
220~240 (50/60Hz)	TRIAC/IGBT	17

CCT	Power Typ (W)	CRI>80		Energy efficiency
		lm Typ	lm/W	
2700K	17	1717	101	A ₁ G F
3000K		1717	101	A ₁ G F
4000K		1717	101	A ₁ G F

Su richiesta è possibile produrre la scheda LED con potenze diverse fino a max 17W
 On request it is possible to produce the LED board with different powers up to max 17W



Accessori / Accessories

Cavi, pad termico / Cables, thermal pad

Codice ordine standard / Standard order code

Con cover di protezione in PC incollata, cavi saldati, senza pad termico e altri accessori

With glued PC protection cover, welded cables, without thermal pad and other accessories

CL151 | **XXXXX** | **M170** | **XX** | **YAG** | **YYYYY**

1 Codice fisso / Fixed code CL151_M170_YAG

2 CCT	CRI>80
2700K	27803
3000K	30803
4000K	40803

3 Cavi / Cables

Cavi laterali / Side cables	AX
Cavi posteriori / Back cables	BX

4 Variante cavo / Cable variants

Da definire in fase d'ordine / To be chosen when ordering



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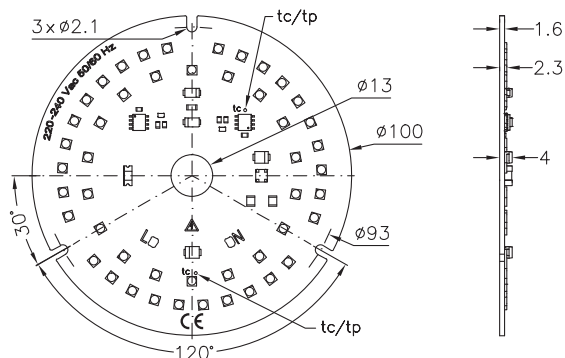
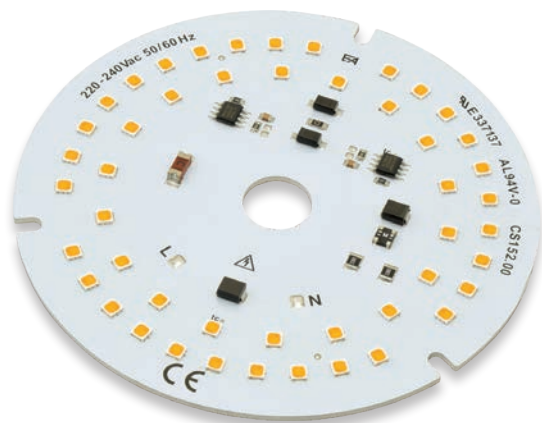
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Riferimenti normativi / Normative requirements

EN 62031 / EN 62471 / IEC TR 62778 / EN 55015 / EN 61547

CL152



Vac Input (V)	Dimmerabile Dimmable	Power Typ (W)
220~240 (50/60Hz)	TRIAC/IGBT	17

CCT	Power Typ (W)	CRI>80			CRI>90		
		lm Typ	lm/W	Energy efficiency	lm Typ	lm/W	Energy efficiency
2700K	17	1870	110	A+ E	1650	97	A+ F
3000K		1870	110	A+ E	1650	97	A+ F
4000K		1870	110	A+ E			

Su richiesta è possibile produrre la scheda LED con potenze diverse fino a max 17W
 On request it is possible to produce the LED board with different powers up to max 17W

Attenzione / Warning

Applicando una cover di protezione alla sorgente luminosa si avrà una diminuzione in percentuale del valore dei lumen (lm).

La cover opale inoltre può provocare anche una variazione importante del CCT.

N.B.: al fine del mantenimento dei parametri sopra indicati, in conformità alla normativa EPREL, la cover deve rimanere removibile.

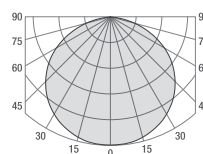
Applying a protection cover to the light source will have a decrease in the lumen value (lm).

The opal cover can also cause a significant change in the CCT.

N.B.: in order to maintain the above parameters, in accordance with the EPREL standard, the cover must remain removable.

RA/CRI	CRI>80, CRI>90
PCB	IMS 1.6 mm
LED type	SEOUL® 3030
LED Q.ty	48
Stroboscopic effect	SVM 3.72
Flicker	PstLM 0.08
Power factor	0.99
Dimensions	Ø 100 mm x h 4 mm

Curva tipica di distribuzione della luce Luminous intensity distribution



Accessori / Accessories

Cavi, pad termico, cover / Cables, thermal pad, cover

Codice ordine standard / Standard order code

Senza cavi, pad termico e altri accessori

Without cables, thermal pad and other accessories

CL152	XXXXX	.	M170XXXAG	.	YYYYY
1	2		1		3

1 Codice fisso / Fixed code CL152_M170XXXAG

2 CCT	CRI>80	CRI>90
2700K	27803	27903
3000K	30803	30903
4000K	40803	/

3 Variante cavo / Cable variants

Da definire in fase d'ordine / To be chosen when ordering



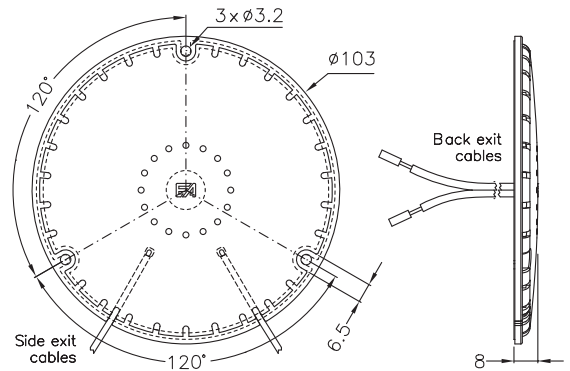
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Riferimenti normativi / Normative requirements

EN 62031 / EN 62471 / IEC TR 62778 / EN 55015 / EN 61547

CL152_Y

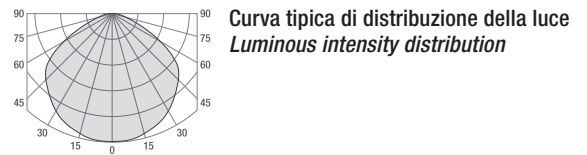


RA/CRI	CRI>80, CRI>90
PCB	IMS 1.6 mm
LED type	SEOUL® 3030
LED Q.ty	48
Cover	Trasparente / Transparent
Stroboscopic effect	SVM 3.72
Flicker	P _{st} LM 0.08
Power factor	0.99
Dimensions	Ø 103 mm x h 8 mm

Vac Input (V)	Dimmerabile Dimmable	Power Typ (W)
220~240 (50/60Hz)	TRIAC/IGBT	17

CCT	Power Typ (W)	CRI>80			CRI>90		
		lm Typ	lm/W	Energy efficiency	lm Typ	lm/W	Energy efficiency
2700K	17	1717	101	A ₁ G F	1606	94	A ₁ G F
3000K		1717	101	A ₁ G F	1606	94	A ₁ G F
4000K		1717	101	A ₁ G F			

Su richiesta è possibile produrre la scheda LED con potenze diverse fino a max 17W
 On request it is possible to produce the LED board with different powers up to max 17W



Accessori / Accessories

Cavi, pad termico / Cables, thermal pad

Codice ordine standard / Standard order code

Con cover di protezione in PC incollata, cavi saldati, senza pad termico e altri accessori

With glued PC protection cover, welded cables, without thermal pad and other accessories

CL152	XXXXX	M170	XX	YAG	YYYYY
1	2	1	3	1	4

1 Codice fisso / Fixed code CL152_M170_YAG

2 CCT	CRI>80	CRI>90
2700K	27803	27903
3000K	30803	30903
4000K	40803	/

3 Cavi / Cables

Cavi laterali / Side cables	AX
Cavi posteriori / Back cables	BX

4 Variante cavo / Cable variants

Da definire in fase d'ordine / To be chosen when ordering



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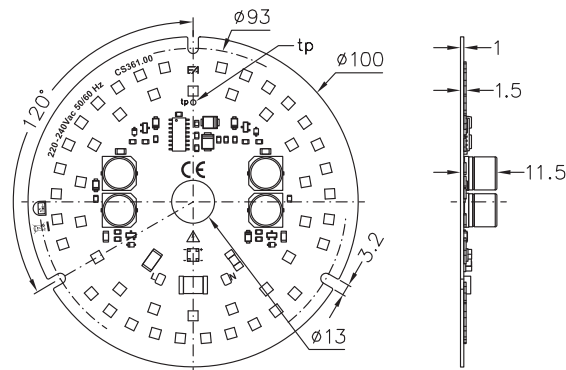
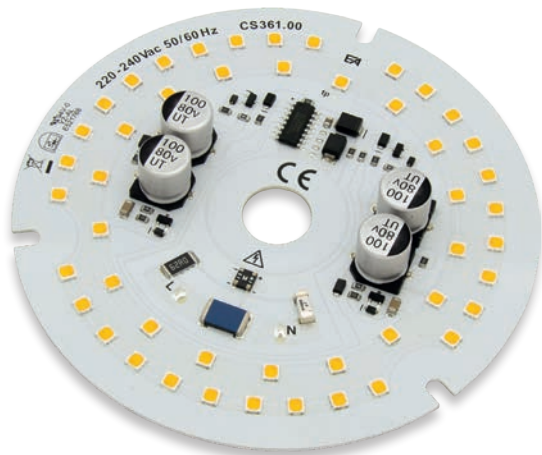
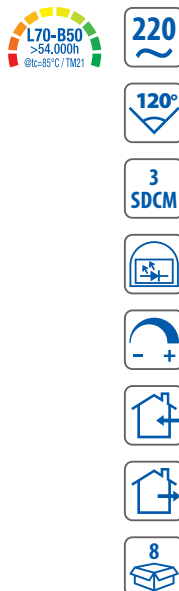
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Riferimenti normativi / Normative requirements

EN 62031 / EN 62471 / IEC TR 62778 / EN 55015 / EN 61547

CL361



Vac Input (V)	Dimmerabile Dimmable	Power Typ (W)
220~240 (50/60Hz)	TRIAC/IGBT	17

CCT	Power Typ (W)	CRI>80			CRI>90		
		Im Typ	Im/W	Energy efficiency	Im Typ	Im/W	Energy efficiency
2700K	17	1870	110	A ₁ G E	1615	95	A ₁ G F
3000K		1938	114	A ₁ G E	1632	96	A ₁ G F
4000K		2023	119	A ₁ G E			

Su richiesta è possibile produrre la scheda LED con potenze diverse fino a max 17W
 On request it is possible to produce the LED board with different powers up to max 17W

Attenzione / Warning

Applicando una cover di protezione alla sorgente luminosa si avrà una diminuzione in percentuale del valore dei lumen (lm).

La cover opale inoltre può provocare anche una variazione importante del CCT.

N.B.: al fine del mantenimento dei parametri sopra indicati, in conformità alla normativa EPREL, la cover deve rimanere removibile.

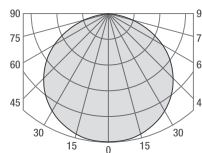
Applying a protection cover to the light source will have a decrease in the lumen value (lm).

The opal cover can also cause a significant change in the CCT.

N.B.: in order to maintain the above parameters, in accordance with the EPREL standard, the cover must remain removable.

RA/CRI	CRI>80
PCB	IMS 1 mm
LED type	SEOUL® 3030
LED Q.ty	48
Stroboscopic effect	SVM 0.12
Flicker	PstLM 0.52
Power factor	0.99
Dimensions	∅ 100 mm x h 11.5 mm

Curva tipica di distribuzione della luce Luminous intensity distribution



Accessori / Accessories

Cavi, pad termico, cover / Cables, thermal pad, cover

Codice ordine standard / Standard order code

Senza cavi, pad termico e altri accessori

Without cables, thermal pad and other accessories

CL361 | XXXXX | M170XXXAG | YYYYY

1 Codice fisso / Fixed code CL361 _ M170XXXAG

2 CCT	CRI>80	CRI>90
2700K	27803	27903
3000K	30803	30903
4000K	40803	/

3 Variante cavo / Cable variants

Da definire in fase d'ordine / To be chosen when ordering



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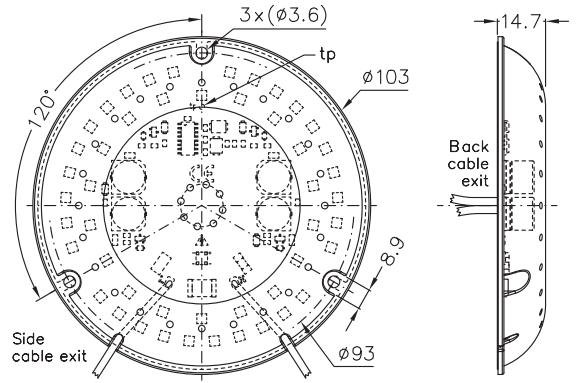
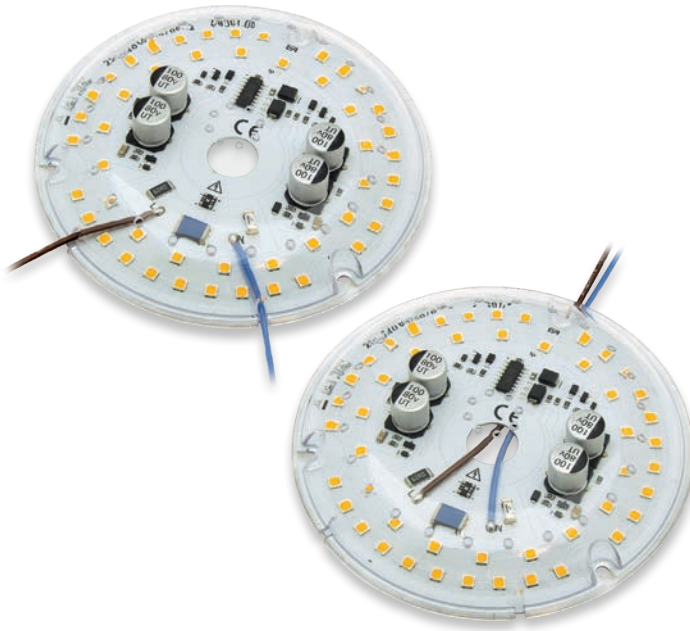
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Riferimenti normativi / Normative requirements

EN 55015/A11 / EN 61547 / EN 61000-3-2 + A1
 EN 61000-3-3 + EC + A1 / EN 61000-4-2 / EN 61000-4-3 + EC + A1
 EN 61000-4-4 / EN 61000-4-5 + A1 / EN 61000-4-6 / EN 61000-4-11
 EN60598 SEZ/SEC (10) / EN 62471
 IEC TR 62778

CL361_Y



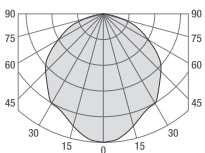
RA/CRI	CRI>80
PCB	IMS 1 mm
LED type	SEOUL® 3030
LED Q.ty	48
Cover	Trasparente / <i>Transparent</i>
Stroboscopic effect	SVM 0.12
Flicker	P _{st} LM 0.52
Power factor	0.99
Dimensions	Ø 103 mm x h 14.7 mm

Vac Input (V)	Dimmerabile Dimmable	Power Typ (W)
220~240 (50/60Hz)	TRIAC/IGBT	12
		17

CCT	Power Typ (W)	CRI>80			Power Typ (W)	CRI>90		
		Im Typ	Im/W	Energy efficiency		Im Typ	Im/W	Energy efficiency
2700K	17	1751	130	A ₀ F	12	1098	92	A ₀ F
3000K		1802	106	A ₂ F		1116	93	A ₀ F
4000K		1887	11	A ₀ E				

Su richiesta è possibile produrre la scheda LED con potenze diverse
 On request it is possible to produce the LED board with different powers
CRI>80 max 17W / CRI>90 max 12W

Curva tipica di distribuzione della luce
 Luminous intensity distribution



Accessori / Accessories

Cavi, pad termico / Cables, thermal pad

Codice ordine standard / Standard order code

Con cover di protezione in PC incollata, cavi saldati, senza pad termico e altri accessori

With glued PC protection cover, welded cables, without thermal pad and other accessories

CL361 | **XXXXX** | **XXXX** | **XX** | **YAG** | **YYYYY**

1 Codice fisso / Fixed code	CL361_YAG	
2 CCT	CRI>80	CRI>90*
2700K	27803	27903
3000K	30803	30903
4000K	40803	/
*Max 12W		
3 Potenza / Power		
12W	M120	
17W	M170	
4 Cavi / Cables		
Cavi laterali / Side cables	AX	
Cavi posteriori / Back cables	BX	
5 Variante cavo / Cable variants		
Da definire in fase d'ordine / To be chosen when ordering		



Scheda tecnica completa sul nostro sito
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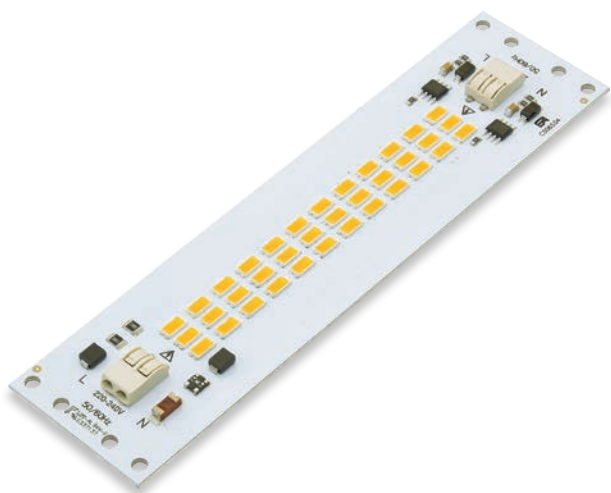
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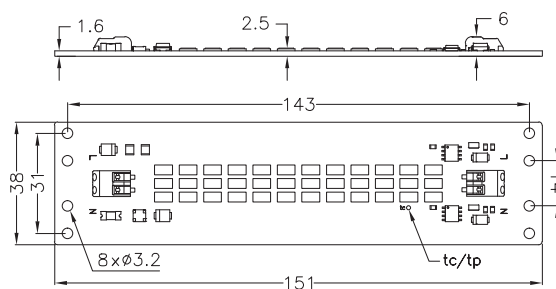
Riferimenti normativi / Normative requirements

EN 55015/A11 / EN 61547 / EN 61000-3-2 + A1
 EN 61000-3-3 + EC + A1 / EN 61000-4-2 / EN 61000-4-3 + EC + A1
 EN 61000-4-4 / EN 61000-4-5 + A1 / EN 61000-4-6 / EN 61000-4-11
 EN60598 SEZ/SEC (10) / EN 62471
 IEC TR 62778

CL083



-
-
-
-
-
-
-



Vac Input (V)	Dimmerabile Dimmable	Power Typ (W)
220~240 (50/60Hz)	TRIAC/IGBT	13.5

CCT	Power Typ (W)	CRI>80		Energy efficiency
		lm Typ	lm/W	
2700K	13.5	1485	110	
3000K		1485	110	
4000K		1485	110	
5000K		1485	110	

Su richiesta è possibile produrre la scheda LED con potenze diverse fino a max 13.5W
 On request it is possible to produce the LED board with different powers up to max 13.5W

Attenzione / Warning

Applicando una cover di protezione alla sorgente luminosa si avrà una diminuzione in percentuale del valore dei lumen (lm).

La cover opale inoltre può provocare anche una variazione importante del CCT.

N.B.: al fine del mantenimento dei parametri sopra indicati, in conformità alla normativa EPREL, la cover deve rimanere removibile.

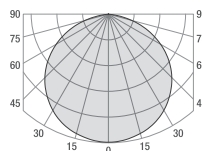
Applying a protection cover to the light source will have a decrease in the lumen value (lm).

The opal cover can also cause a significant change in the CCT.

N.B.: in order to maintain the above parameters, in accordance with the EPREL standard, the cover must remain removable.

RA/CRI	CRI>80
PCB	IMS 1.6 mm
LED type	SEOUL® 5630
LED Q.ty	36
Stroboscopic effect	SVM 3.63
Flicker	P _{st} LM 0.09
Power factor	0.99
Dimensions	151 x 38 mm - h 6 mm

Curva tipica di distribuzione della luce
Luminous intensity distribution



Accessori / Accessories

Pad termico, cover, cavi / Thermal pad, cover, cables

Codice ordine standard / Standard order code

Senza accessori / Without accessories

CL083 | **XXXXX** | **M135GXXAE**

1 Codice fisso / Fixed code CL083 _ M135GXXAE

2 CCT	CRI>80
2700K	27803
3000K	30803
4000K	40803
5000K	50803



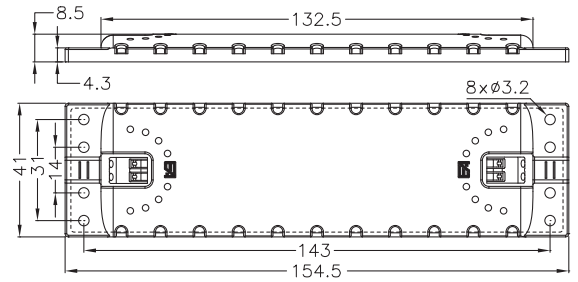
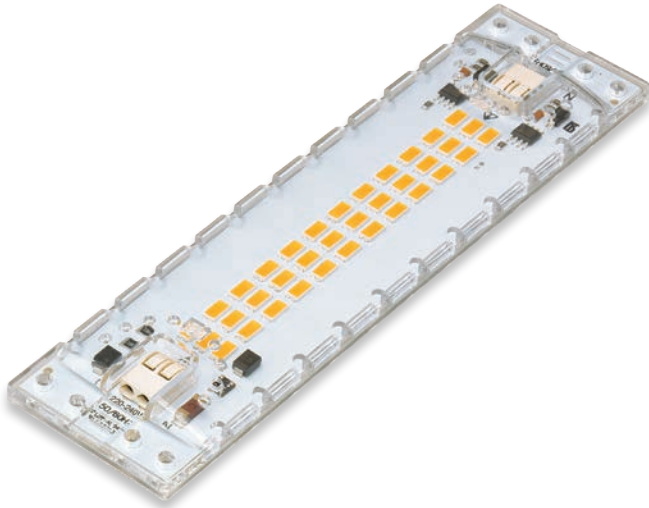
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Riferimenti normativi / Normative requirements

EN 62031 / EN 62471 / IEC TR 62778 / EN 55015 / EN 61547

CL083_Y



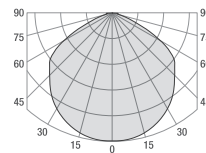
Vac Input (V)	Dimmerabile Dimmable	Power Typ (W)
220~240 (50/60Hz)	TRIAC/IGBT	13.5

CCT	Power Typ (W)	CRI>80		Energy efficiency
		Im Typ	Im/W	
2700K	13.5	1364	101	A ₁ G F
3000K		1364	101	A ₁ G F
4000K		1364	101	A ₁ G F
5000K		1364	101	A ₁ G F

Su richiesta è possibile produrre la scheda LED con potenze diverse fino a max 13.5W
 On request it is possible to produce the LED board with different powers up to max 13.5W

RA/CRI	CRI>80
PCB	IMS 1.6 mm
LED type	SEOUL® 5630
LED Q.ty	36
Cover	Trasparente / Transparent
Stroboscopic effect	SVM 3.63
Flicker	P _{st} LM 0.09
Power factor	0.99
Dimensions	154.5 x 41 mm - h 8.5 mm

Curva tipica di distribuzione della luce Luminous intensity distribution



Accessori / Accessories

Cavi, pad termico / Cables, thermal pad

Codice ordine standard / Standard order code

Con cover di protezione in PC incollata, senza altri accessori
 With glued PC protection cover, without other accessories

CL083 | XXXXX | M135GXAYE

① Codice fisso / Fixed code CL083 _ M135GXAYE

② CCT	CRI>80
2700K	27803
3000K	30803
4000K	40803
5000K	50803



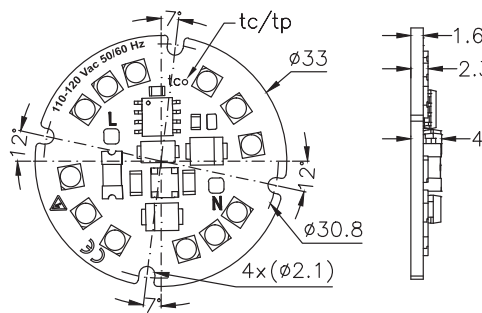
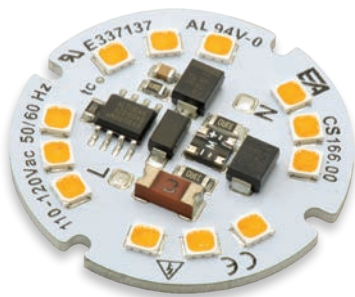
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Riferimenti normativi / Normative requirements

EN 62031 / EN 62471 / IEC TR 62778 / EN 55015 / EN 61547

CL166



Vac Input (V)	Dimmerabile Dimmable	Power Typ (W)
110~120 (50/60Hz)	TRIAC/IGBT	4.5

CCT	Power Typ (W)	CRI>80		CRI>90	
		lm Typ	lm/W	lm Typ	lm/W
2700K	4.5	495	110	441	98
3000K		495	110	441	98
4000K		495	110		

Su richiesta è possibile produrre la scheda LED con potenze diverse fino a max 4.5W
 On request it is possible to produce the LED board with different powers up to max 4.5W

Attenzione / Warning

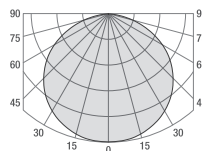
Applicando una cover di protezione alla sorgente luminosa si avrà una diminuzione in percentuale del valore dei lumen (lm).

La cover opale inoltre può provocare anche una variazione importante del CCT.

Applying a protection cover to the light source will have a decrease in the lumen value (lm).
 The opal cover can also cause a significant change in the CCT.

RA/CRI	CRI>80, CRI>90
PCB	IMS 1.6 mm
LED type	SEOUL® 3030
LED Q.ty	12
Stroboscopic effect	SVM 3.99
Flicker	PstLM 0.1
Power factor	0.99
Dimensions	Ø 33 mm x h 4 mm

Curva tipica di distribuzione della luce Luminous intensity distribution



Accessori / Accessories

Cavi, pad termico, cover / Cables, thermal pad, cover

Codice ordine standard / Standard order code

Senza cavi, pad termico e altri accessori

Without cables, thermal pad and other accessories

CL166 | **XXXXX** | **M045XXXAG** | **YYYYY**

1 Codice fisso / Fixed code CL166 _ M045XXXAG

2 CCT	CRI>80	CRI>90
2700K	27803	27903
3000K	30803	30903
4000K	40803	/

3 Variante cavo / Cable variants

Da definire in fase d'ordine / To be chosen when ordering



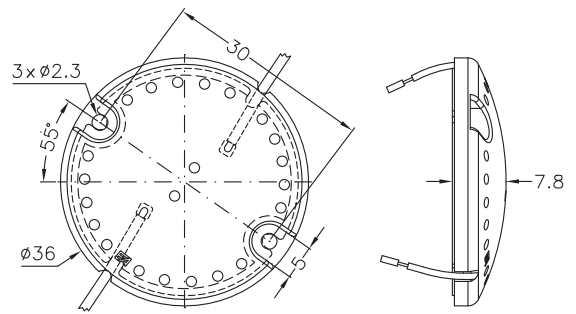
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Riferimenti normativi / Normative requirements

EN 62031 / EN 62471 / IEC TR 62778 / EN 55015 / EN 61547

CL166_cover

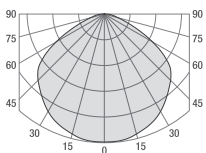


Vac Input (V)	Dimmerabile Dimmable	Power Typ (W)
110~120 (50/60Hz)	TRIAC/IGBT	4.5

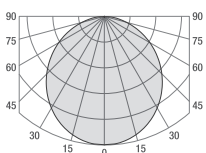
CCT	CRI>80						CRI>90					
	Cover transparent		Cover frosted		Cover opal		Cover transparent		Cover frosted		Cover opal	
	lm Typ	lm/W	lm Typ	lm/W	lm Typ	lm/W	lm Typ	lm/W	lm Typ	lm/W	lm Typ	lm/W
2700K	456	101	381	85	317	70	406	90	340	76	282	63
3000K	456	101	381	85	317	70	406	90	340	76	282	63
4000K	456	101	381	85	317	70						

Su richiesta è possibile produrre la scheda LED con potenze diverse fino a max 4.5W
 On request it is possible to produce the LED board with different powers up to max 4.5W

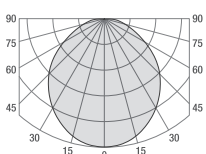
Curva tipica di distribuzione della luce Luminous intensity distribution



Con cover trasparente
 With transparent cover



Con cover satinata
 With frosted cover



Con cover opale
 With opal cover

RA/CRI	CRI>80, CRI>90
PCB	IMS 1.6 mm
LED type	SEOUL® 3030
LED Q.ty	12
Cover	Trasparente, satinata o opale <i>Transparent, frosted or opal</i>
Stroboscopic effect	SVM 3.99
Flicker	PstLM 0.1
Power factor	0.99
Dimensions	Ø 36 mm x h 7.8 mm

Accessori / Accessories

Cavi, pad termico / Cables, thermal pad

Codice ordine standard / Standard order code

Con cover di protezione in PC incollata, cavi saldati, senza pad termico e altri accessori

With glued PC protection cover, welded cables, without thermal pad and other accessories

CL166	XXXXX	M045	XXX	AG	YYYYY
1	2	1	1	1	4

1 Codice fisso / Fixed code	CL166 _ M045 _ AG	
2 CCT	CRI>80	CRI>90
2700K	27803	27903
3000K	30803	30903
4000K	40803	/

2 Cover di protezione / Protection cover

Trasparente / Transparent	CXY
Satinata / Frosted	CXZ
Opale / Opal	CXW

4 Variante cavo / Cable variants

Da definire in fase d'ordine / To be chosen when ordering



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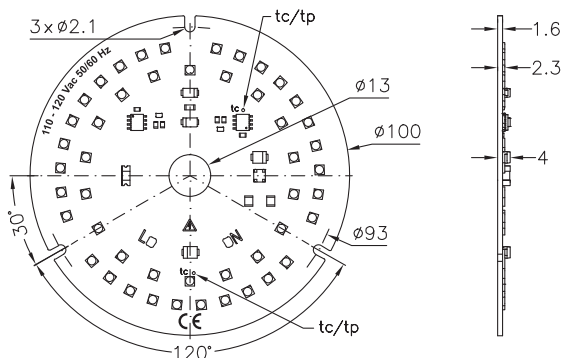
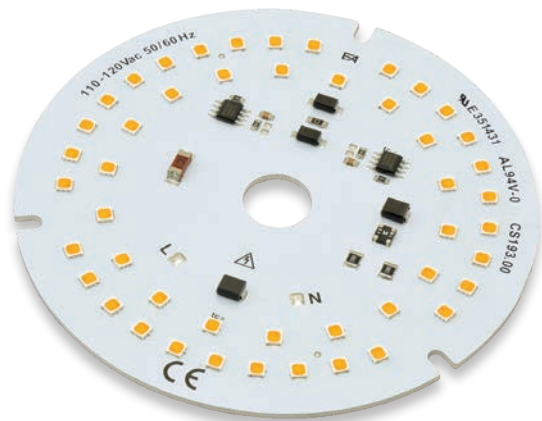
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Riferimenti normativi / Normative requirements

EN 62031 / EN 62471 / IEC TR 62778 / EN 55015 / EN 61547

CL193



Vac Input (V)	Dimmerabile Dimmable	Power Typ (W)
110~120 (50/60Hz)	TRIAC/IGBT	17

CCT	Power Typ (W)	CRI>80		CRI>90	
		lm Typ	lm/W	lm Typ	lm/W
2700K	17	1870	110	1513	89
3000K		1870	110	1513	89
4000K		1870	110		

Su richiesta è possibile produrre la scheda LED con potenze diverse
 On request it is possible to produce the LED board with different powers

Attenzione / Warning

Applicando una cover di protezione alla sorgente luminosa si avrà una diminuzione in percentuale del valore dei lumen (lm).

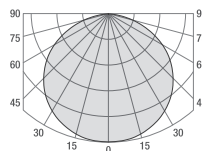
La cover opale inoltre può provocare anche una variazione importante del CCT.

Applying a protection cover to the light source will have a decrease in the lumen value (lm).

The opal cover can also cause a significant change in the CCT.

RA/CRI	CRI>80, CRI>90
PCB	IMS 1.6 mm
LED type	SEOUL® 3030
LED Q.ty	48
Stroboscopic effect	SVM 4.62
Flicker	PstLM 0.12
Power factor	0.97
Dimensions	Ø 100 mm x h 4 mm

Curva tipica di distribuzione della luce Luminous intensity distribution



Accessori / Accessories

Cavi, pad termico, cover / Cables, thermal pad, cover

Codice ordine standard / Standard order code

Senza cavi, pad termico e altri accessori

Without cables, thermal pad and other accessories

CL193	XXXXX	M170XXXAG	YYYY
1	2	1	3

1 Codice fisso / Fixed code CL193 _ M170XXXAG

2 CCT	CRI>80	CRI>90
2700K	27803	27903
3000K	30803	30903
4000K	40803	/

3 Variante cavo / Cable variants

Da definire in fase d'ordine / To be chosen when ordering



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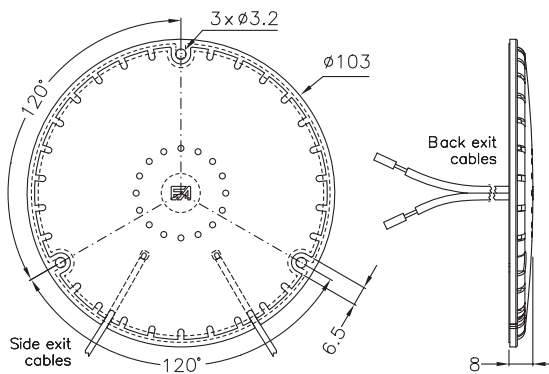
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Riferimenti normativi / Normative requirements

EN 62031 / EN 62471 / IEC TR 62778 / EN 55015 / EN 61547

CL193_cover



Vac Input (V)	Dimmerabile Dimmable	Power Typ (W)
110~120 (50/60Hz)	TRIAC/IGBT	17

CCT	CRI>80						CRI>90					
	Cover transparent		Cover frosted		Cover opal		Cover transparent		Cover frosted		Cover opal	
	lm Typ	lm/W	lm Typ	lm/W	lm Typ	lm/W	lm Typ	lm/W	lm Typ	lm/W	lm Typ	lm/W
2700K	1717	101	1424	84	1197	70	1411	83	1165	69	968	57
3000K	1717	101	1424	84	1197	70	1411	83	1165	69	968	57
4000K	1717	101	1424	84	1197	70						

RA/CRI	CRI>80, CRI>90
PCB	IMS 1.6 mm
LED type	SEOUL® 3030
LED Q.ty	48
Cover	Trasparente, satinata o opale Transparent, frosted or opal
Stroboscopic effect	SVM 4.62
Flicker	PstLM 0.12
Power factor	0.97
Dimensions	Ø 103 mm x h 8 mm

Su richiesta è possibile produrre la scheda LED con potenze diverse
On request it is possible to produce the LED board with different powers

Accessori / Accessories

Cavi, pad termico / Cables, thermal pad

Codice ordine standard / Standard order code

Con cover di protezione in PC incollata, cavi saldati, senza pad termico e altri accessori

With glued PC protection cover, welded cables, without thermal pad and other accessories

CL193 | **XXXXX** | **M170** | **XXX** | **AG** | **YYYYY**

1 Codice fisso / Fixed code CL193_M170_AG

2 CCT	CRI>80	CRI>90
2700K	27803	27903
3000K	30803	30903
4000K	40803	/

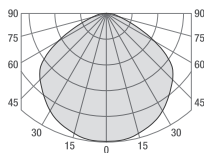
2 Cover	Side cables	Back cables
Trasparente / Transparent	AXY	BXY
Satinata / Frosted	AXZ	BXZ
Opale / Opal	AXW	BXW

4 Variante cavo / Cable variants

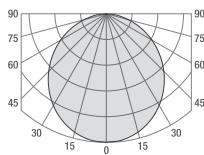
Da definire in fase d'ordine / To be chosen when ordering

Curva tipica di distribuzione della luce

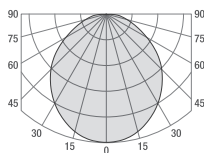
Luminous intensity distribution



Con cover trasparente
With transparent cover



Con cover satinata
With frosted cover



Con cover opale
With opal cover



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Riferimenti normativi / Normative requirements

EN 62031 / EN 62471 / IEC TR 62778 / EN 55015 / EN 61547