



THUNDER110

Apparecchio

Corpo in alluminio pressofuso (EN 47100).
Cornice in alluminio pressofuso (EN 47100) o acciaio inox AISI 316L.

Verniciatura a polvere poliesteri in doppio strato stabilizzata ai raggi UV, resistente alla corrosione e alle nebbie saline.

Guarnizioni in gomma silconica.
Viteria esterna in acciaio inox AISI 316.
Lenti LED in PMMA.

Schermo in vetro temperato di spessore 8mm resistente agli shock termici.

Apparecchio costruito in conformità alle norme EN 60598-1 e EN 60598-2-2.

Sorgente

LED con efficienza nominale sino a 116lumen/Watt (4000K - 350mA - CRI>80 - Tj=85°C).

Lunga vita utile del LED: > 50000h con L80.

Alta consistenza dei colori: <3 SDCM.

Installazione

Installazione ad incasso.

Doppio pressacavo M16 per collegamento in cascata.

Fornito completo di cavo d'alimentazione (0,7m).

Controcassa in tecnopolimero.

Questi apparecchi sono predisposti per i moderni sistemi di controllo. Per le diverse possibilità vedi la sezione "Controllo della luce".

Altri colori LED disponibili su richiesta.

Per installazione su pareti in cartongesso, legno o metallo con spessore da 1 a 20mm utilizzare gli apparecchi ad incasso ad alta protezione, vedi pag. 219-221

Luminaire

Die-cast aluminium body (EN 47100).

Die-cast aluminium (EN 47100) or AISI 316L stainless steel trim.

Double layer polyester powder paint resistant to corrosion and salt spray fog.

Silicone rubber gaskets.

AISI 316 stainless steel external screws.

PMMA lenses for LEDs.

Screen made of 8mm thermal-shock resistant tempered glass.

It complies with standards EN 60598-1 and EN 60598-2-2.

Source

Nominal LED efficacy up to 116lumen/Watt (4000K - 350mA - CRI>80 - Tj=85°C).

LED life time: >50000h with L80.

High colour consistency: <3 SDCM.

Installation

Recessed installation.

Double M16 cable gland for through wiring.

Supplied with power cable (0,7m).

Recessed installation box made of engineering plastic.

These fittings are suitable for the modern control systems. For the various possibilities, please see section "Controlling the light".

Different LED colours available upon request.

For installation on plasterboard, wood or metal plates use high protection degree recessed fixtures, see p. 219-221



Accessori, vedi pag. 300-301.

Accessories, see page 300-301.



Predisposto per controllo via BLE, per dettagli contattare l'azienda.

Suitable for BLE control device, for details consult factory.



anello in alluminio pressofuso > die-cast aluminium ring

11 ○ 16 ● 21 ● 23 ●

Code	WATT	SC	Class	Lumen sorgente Source lumen	Lumen apparecchio Luminaire lumen	LED	K	CRI	Kg
fascio concentrante > narrow beam									
Q7800	4W LED	●	⊕	490	380	●	3000	80	0,50
Q7801	4W LED	●	⊕	530	410	●	4000	80	0,50
Q7802	4W LED	●	⊕	530	410	●	5000	80	0,50

fascio concentrante > narrow beam

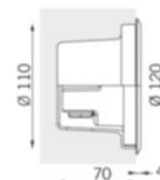


11°



LED 350mA

Driver LED da ordinare separatamente, vedi pag. 300-301.
LED driver to be ordered separately, see page 300-301.



anello in alluminio pressofuso > die-cast aluminium ring

11 ○ 16 ● 21 ● 23 ●

Code	WATT	SC	Class	Lumen sorgente Source lumen	Lumen apparecchio Luminaire lumen	LED	K	CRI	Kg
fascio diffondente > wide beam									
Q7807 *	1,8W LED - 12Vdc	●	⊕	70	20	●	4000		0,50
fascio diffondente > wide beam									
Q8021	0,7W LED - 230Vac	●	⊕	●	●	●	3000	80	0,55
Q8022	0,7W LED - 230Vac	●	⊕	●	●	●	4000	80	0,55
Q8025 *	0,7W LED - 24Vdc	●	⊕	●	●	●	3000	80	0,55
Q8026 *	0,7W LED - 24Vdc	●	⊕	●	●	●	4000	80	0,55

fascio diffondente > wide beam



86°

fascio diffondente > wide beam



110°



LED 12Vdc



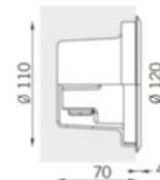
LED 230Vac



LED 24Vdc

* Driver LED da ordinare separatamente, vedi pag. 300-301.
LED driver to be ordered separately, see page 300-301.

● Per dati fotometrici aggiornati, vedere il sito web
For updated photometric data, please see the website



anello in acciaio inox AISI 316L > AISI 316L stainless steel ring

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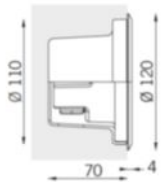


fascio concentrante > narrow beam

Code	WATT	SC	Class	Lumen sorgente Source lumen	Lumen apparecchio Luminaire lumen	LED	K	CRI	Kg
Q7810	4W LED	●	⊕	490	380	●	3000	80	0,67
Q7811	4W LED	●	⊕	530	410	●	4000	80	0,67
Q7812	4W LED	●	⊕	530	410	●	5000	80	0,67



Driver LED da ordinare separatamente, vedi pag. 300-301.
LED driver to be ordered separately, see page 300-301.



anello in acciaio inox AISI 316L > AISI 316L stainless steel ring

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fascio diffondente > wide beam

Code	WATT	SC	Class	Lumen sorgente Source lumen	Lumen apparecchio Luminaire lumen	LED	K	CRI	Kg
Q7817 *	1,8W LED - 12Vdc	●	⊕	70	20	●	4000		0,67



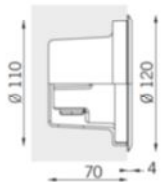
fascio diffondente > wide beam

Code	WATT	SC	Class	Lumen sorgente Source lumen	Lumen apparecchio Luminaire lumen	LED	K	CRI	Kg
Q8031	0,7W LED - 230Vac	●	⊕	●	●	●	3000	80	0,72
Q8032	0,7W LED - 230Vac	●	⊕	●	●	●	4000	80	0,72
Q8035 *	0,7W LED - 24Vdc	●	⊕	●	●	●	3000	80	0,72
Q8036 *	0,7W LED - 24Vdc	●	⊕	●	●	●	4000	80	0,72



* Driver LED da ordinare separatamente, vedi pag. 300-301.
LED driver to be ordered separately, see page 300-301.

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cornice in acciaio inox AISI 316L > AISI 316L stainless steel frame

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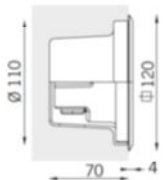


fascio concentrante > narrow beam

Code	WATT	SC	Class	Lumen sorgente Source lumen	Lumen apparecchio Luminaire lumen	LED	K	CRI	Kg
Q7820	4W LED	●	⊕	490	380	●	3000	80	0,71
Q7821	4W LED	●	⊕	530	410	●	4000	80	0,71
Q7822	4W LED	●	⊕	530	410	●	5000	80	0,71



Driver LED da ordinare separatamente, vedi pag. 300-301.
LED driver to be ordered separately, see page 300-301.



cornice in acciaio inox AISI 316L > AISI 316L stainless steel frame

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fascio diffondente > wide beam

Code	WATT	SC	Class	Lumen sorgente Source lumen	Lumen apparecchio Luminaire lumen	LED	K	CRI	Kg
Q7827*	1,8W LED - 12Vdc	●	⊕	70	20	●	4000		0,71



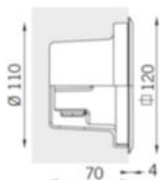
fascio diffondente > wide beam

Code	WATT	SC	Class	Lumen sorgente Source lumen	Lumen apparecchio Luminaire lumen	LED	K	CRI	Kg
Q8041	0,7W LED - 230Vac	●	⊕	●	●	●	3000	80	0,76
Q8042	0,7W LED - 230Vac	●	⊕	●	●	●	4000	80	0,76
Q8045 *	0,7W LED - 24Vdc	●	⊕	●	●	●	3000	80	0,76
Q8046 *	0,7W LED - 24Vdc	●	⊕	●	●	●	4000	80	0,76



* Driver LED da ordinare separatamente, vedi pag. 300-301.
LED driver to be ordered separately, see page 300-301.

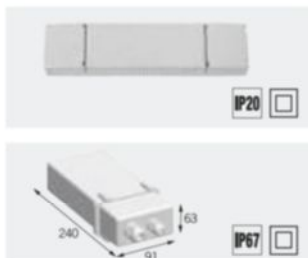
● Per dati fotometrici aggiornati, vedere il sito web
For updated photometric data, please see the website



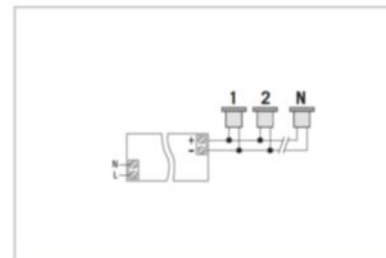
driver LED a tensione costante: 12 Volt > constant voltage LED driver: 12 Volt

Code	WATT	Numero massimo di apparecchi collegabili. Maximum number of fittings which can be connected.			
		Q7807	Q7817	Q7827	
DRIVER IP20					
H7953 CEI	12 Volt 16	8	8	8	
DRIVER IP67					
H7965 CEI	12 Volt 16	8	8	8	

Dimensioni e distanze per cavi di installazione dei driver LED, vedi pagina 16 > Dimensions and distances for installation cables of LED drivers, see page 16



Code	WATT	CEI	Kg
DRIVER IP20			
H7953 CEI	12 Volt 16	●	0,09
DRIVER IP67			
H7965 CEI	12 Volt 16	●	0,55



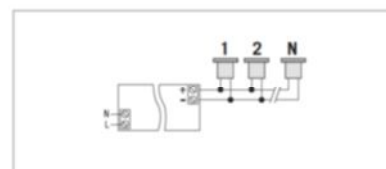
driver LED a tensione costante: 24 Volt > constant voltage LED driver: 24 Volt

Code	WATT	Numero massimo di apparecchi collegabili. Maximum number of fittings which can be connected.					
		Q8025	Q8026	Q8035	Q8036	Q8045	Q8046
DRIVER IP20							
07950 CEI	24 Volt 8	10	10	10	10	10	10
07952 CEI	24 Volt 16	20	20	20	20	20	20
07952 DALI	24 Volt 16	20	20	20	20	20	20
07952 DIMM	24 Volt 20	25	25	25	25	25	25
DRIVER IP67							
07951 CEI	24 Volt 8	10	10	10	10	10	10

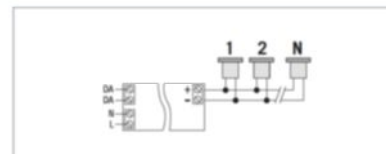
Dimensioni e distanze per cavi di installazione dei driver LED, vedi pagina 16 > Dimensions and distances for installation cables of LED drivers, see page 16



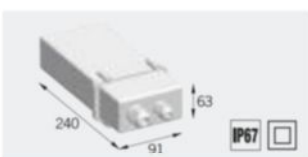
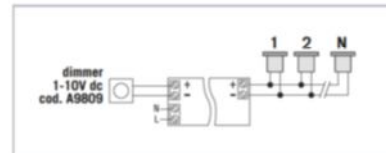
Code	Volt	WATT	CEI	DALI	DIMM	Kg
DRIVER IP20						
07950 CEI	24	8	●			0,11
07952 CEI	24	16	●			0,11
07958 CEI	24	70	●			0,30
07959 CEI	24	150	●			0,32



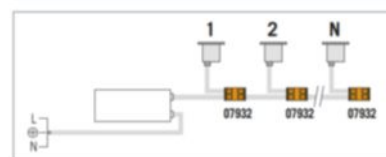
Code	Volt	WATT	CEI	DALI	DIMM	Kg
DRIVER IP20						
07952 DALI	24	16		●		0,11



Code	Volt	WATT	CEI	DALI	DIMM	Kg
DRIVER IP20						
07952 DIMM	24	20			●	0,11



Code	Volt	WATT	CEI	Kg
DRIVER IP67				
07951 CEI	24	8	●	0,50



Code	Kg
07932	● 0,05

Scatola di connessione IP68.
Junction box IP68.

accessori > accessories

Per poter predisporre in anticipo l'installazione, è possibile ordinare separatamente la controcassa. L'apparecchio potrà essere ordinato successivamente, e verrà comunque fornito completo di cassetta (da eliminare se acquistato separatamente in precedenza).
It is possible to purchase the recessed box separately, whenever it is necessary to start the installation in advance.
The item can be ordered later on, and it will be supplied complete with recessed box (to be removed if purchased separately in advance).



Code	Kg
Q7749	0,07

Controcassa in materiale termoplastico.
 Thermoplastic material recessed installation box.

driver LED a corrente costante: 350mA e 500mA > constant current LED driver: 350mA and 500mA

Code	mA	WATT	Numero massimo di apparecchi collegabili. Maximum number of fittings which can be connected.								
			Q7800	Q7801	Q7802	Q7810	Q7811	Q7812	Q7820	Q7821	Q7822
DRIVER IP20											
H7951 CEI	350	20	4	4	4	4	4	4	4	4	4
H7954 CEI	350	25	5	5	5	5	5	5	5	5	5
H7952 DALI	350	15	3	3	3	3	3	3	3	3	3
H7955 DALI	350	40	9	9	9	9	9	9	9	9	9
H7952 DIMM	350	15	3	3	3	3	3	3	3	3	3
H7955 DIMM	350	40	9	9	9	9	9	9	9	9	9
DRIVER IP67											
H7961 CEI	350	20	4	4	4	4	4	4	4	4	4
H7961 DALI	350	25	5	5	5	5	5	5	5	5	5
H7961 DIMM	350	25	5	5	5	5	5	5	5	5	5

Dimensioni e distanze per cavi di installazione dei driver LED, vedi pagina 16 > Dimensions and distances for installation cables of LED drivers, see page 16

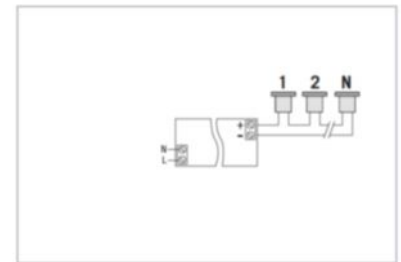


Code	mA	WATT	CEI	Kg
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DRIVER IP20				
H7951 CEI	350	20	●	0,11
H7954 CEI	350	25	●	0,15



DRIVER IP67				
H7961 CEI	350	20	●	0,50



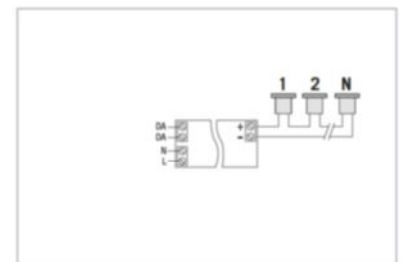
Code	mA	WATT	DALI	Kg
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DRIVER IP20				
H7952 DALI	350	15	●	0,13
H7955 DALI	350	40	●	0,15



DRIVER IP67				
H7961 DALI	350	25	●	0,50

Specifiche tecniche e accessori di controllo DALI e DIMM, vedi pag. 11.
 See page 11 for technical details and control accessories DALI and DIMM.



Code	mA	WATT	DIMM	Kg
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DRIVER IP20				
H7952 DIMM	350	15	●	0,11
H7955 DIMM	350	40	●	0,21



DRIVER IP67				
H7961 DIMM	350	25	●	0,50

Specifiche tecniche e accessori di controllo DALI e DIMM, vedi pag. 11.
 See page 11 for technical details and control accessories DALI and DIMM.

